



RESEARCH DEGREE AND PROFESSIONAL DOCTORATE STUDENTS' RESEARCH OUTPUT (July 2014 – June 2015)

This report summarizes the research outputs of our research degree and professional doctorate students, and serves to recognize their hard work and perseverance. It also acts as a link between the University and the community, as it demonstrates the excellent research results that can benefit the development of the region.

Chow Yei Ching School of Graduate Studies
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Summary of Research Output Produced by PhD Students in 2014-2015

Departments/Schools	Number of students who have produced publications	Category of Publications						Total No. of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
College of Business								
Department of Accountancy	8	-	1	8	-	-	6	15
Department of Economics and Finance	6	-	3	-	-	-	5	8
Department of Information Systems	40	-	13	35	-	-	11	59
Department of Management	5	-	2	4	-	-	2	8
Department of Management Sciences	27	-	13	3	-	-	20	36
Department of Marketing	6	-	1	5	-	-	2	8
College of Liberial Arts and Social Sciences								
Department of Applied Social Sciences	16	4	11	6	-	-	9	30
Department of Asian and International Studies	14	-	9	18	-	-	9	36
Department of Chinese and History	8	-	-	3	-	-	5	8
Department of English	13	-	1	11	5	-	7	24
Department of Linguistics and Translation	26	4	7	15	-	-	14	40
Department of Media and Communication	24	3	3	34	-	-	6	46
Department of Public Policy	14	1	6	11	-	-	8	26
College of Science and Engineering								
Department of Architecture and Civil Engineering	70	-	79	34	-	-	25	138
Department of Biology and Chemistry	92	4	111	111	-	1	23	250
Department of Biomedical Sciences	20	-	27	21	-	1	5	54
Department of Computer Science	91	-	66	86	1	-	36	189
Department of Electronic Engineering	134	10	140	119	-	8	48	325
Department of Mathematics	12	-	13	-	-	-	3	16
Department of Mechanical and Biomedical Engineering	76	-	106	48	-	-	18	172
Department of Physics and Materials Science	101	1	287	28	-	3	14	333
Department of Systems Engineering and Engineering Management	40	12	41	12	-	-	14	79
School of Creative Media								
School of Creative Media	10	3	5	8	18	-	9	43
School of Energy and Enviornment								
School of Energy and Enviornment	28	4	35	15	-	-	5	59
School of Law								
School of Law	5	-	5	1	-	-	3	9
School of Veterinary Medicine								
School of Veterinary Medicine	-	-	-	-	-	-	-	-
Sub-total	886	46	985	636	24	13	307	2011

Summary of Research Output Produced by MPhil Students in 2014-2015

Departments/Schools	Number of students who have produced publications	Category of Publications						Total No. of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
College of Business								
Department of Accountancy	-	-	-	-	-	-	-	-
Department of Economics and Finance	-	-	-	-	-	-	-	-
Department of Information Systems	1	-	1	-	-	-	-	1
Department of Management	-	-	-	-	-	-	-	-
Department of Management Sciences	-	-	-	-	-	-	-	-
Department of Marketing	-	-	-	-	-	-	-	-
College of Liberal Arts and Social Sciences								
Department of Applied Social Sciences	2	-	1	3	-	-	-	4
Department of Asian and International Studies	-	-	-	-	-	-	-	-
Department of Chinese and History	-	-	-	-	-	-	-	-
Department of English	-	-	-	-	-	-	-	-
Department of Linguistics and Translation	-	-	-	-	-	-	-	-
Department of Media and Communication	-	-	-	-	-	-	-	-
Department of Public Policy	-	-	-	-	-	-	-	-
College of Science and Engineering								
Department of Architecture and Civil Engineering	1	-	1	-	-	-	-	1
Department of Biology and Chemistry	3	-	3	-	-	-	-	3
Department of Biomedical Sciences	-	-	-	-	-	-	-	-
Department of Computer Science	2	-	-	-	-	-	2	2
Department of Electronic Engineering	6	-	1	3	-	1	2	7
Department of Mathematics	-	-	-	-	-	-	-	-
Department of Mechanical and Biomedical Engineering	-	-	-	-	-	-	-	-
Department of Physics and Materials Science	2	-	2	-	-	-	1	3
Department of Systems Engineering and Engineering Management	1	-	1	-	-	-	-	1
School of Creative Media								
School of Creative Media	-	-	-	-	-	-	-	-
School of Energy and Environment								
School of Energy and Environment	-	-	-	-	-	-	-	-
School of Law								
School of Law	-	-	-	-	-	-	-	-
School of Veterinary Medicine								
School of Veterinary Medicine	-	-	-	-	-	-	-	-
Sub-total	18	-	10	6	-	1	5	22

Summary of Research Output Produced by Professional Doctorate Students in 2014-2015

Departments/Schools	Number of students who have produced publications	Category of Publications						Total No. of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
College of Business								
Doctor of Business Administration	38	3	-	8	-	-	33	44
College of Science and Engineering								
Engineering Doctorate (Civil and Architectural Engineering)	-	-	-	1	-	-	3	4
Engineering Doctorate (Engineering Management)	3	-	1	1	-	-	1	3
School of Law								
Doctor of Juridical Science	7	-	-	2	-	-	6	8
Doctor of Juridical Science (Chinese Judges)	2	-	5	-	-	-	-	5
Sub-total	50	3	6	12	-	-	43	64

Section A: Publications of PhD Students

College of Business

DEPARTMENT OF ACCOUNTANCY

Journal publications

SI Yi, Derrick HAN, J, TIAN, G L and #SI, Y D , "A Study of the Impact of CEO Turnover on Firm R&D Spending (CEO 变更对企业研发投入的影响研究)", *西安交通大學學報(社會科學版)*, Vol 2, 31 March 2015, p 27.

Conference papers

RAHMAN Md Jahidur #RAHMAN, M J , "Prohibition of Non-Audit Services and its Impacts on the Profitability of the Big 4 Auditing Firms in Bangladesh", *5th IAAPS Conference*, United Nations ESCAP, South Korea, 27-28 November 2014, pp 274-278.

#RAHMAN, M J , "Separation of Audit and Non-Audit Services by SEC of Bangladesh and its Impact on the Competition between the Big 4 Auditing Firms", *The 10th APMAA Conference*, Chulalongkorn University, Bangkok, Thailand, Thailand, 27-30 October 2014.

SI Yi, Derrick #SI, Y D, QI, B L, TIAN, G L and WU, M G H , "Does the Identity of Engagement Auditor s Affect Audit Clients' Real Activities Manipulation? Evidence fr om China", *2014 American Accounting Association Annual Meeting*, American Accounting Association, Atlanta, USA, 2-6 August 2014.

WANG Ke KIM, J B and #WANG, K , "Labor Unemployment Risk and Sticky Cost Behavior", *The 2014 American Accounting Association (AAA) Annual Meeting*, Atlanta, GA, USA, 2-6 August 2014.

#WANG, K , "The Debt Market Relevance of Disclosure Tone: Evidence from the Pricing of Credit Default Swaps", *The Canadian Academic Accounting Association (CAAA) Annual Conference 2015*, Toronto, ON, Canada, December 2014.

KIM, C F, #WANG, K and ZHANG, L , "The Readability of 10-K Reports and Stock Price Crash Risk", *The Accounting and Finance Association of Australia and New Zealand (AFAANZ) Annual Conference 2014*, Auckland, New Zealand, 6-8 July 2014.

KIM, C F, #WANG, K and ZHANG, L , "The Readability of 10-K Reports and Stock Price Crash Risk", *The 2014 American Accounting Association (AAA) Annual Meeting*, Atlanta, GA, USA, 2-6 August 2014.

WANG Zhichen #WANG, Z , "Do Restatement Borrowing Firms Benefit from Board Tie with Lending Banks", *2015 Canadian Academic Accounting Association (CAAA) Annual Conference*, The Canadian Academic Accounting Association, Toronto, Ontario, Canada, 28-31 May 2015.

All other outputs

CHEN Huili #CHEN, H , *Accounting Restatements and Corporate Cash Policy*, PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 29 January 2015.

Section A: Publications of PhD Students

- LI Ni** #LI, N , *The Impact of Controlling Shareholders' Stock Pledge on Corporate Transparency, Cash Dividends and Expropriations: Evidence from China*, PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 4 May 2015.
- LU Yuzhu** #LU, Y , *Labor Protection and Corporate Tax Avoidance: A Cross-country Analysis*, PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 4 December 2014.
- RAHMAN Md Jahidur** #RAHMAN, M J , Conference Grant (Full International Air fare and Accommodation), United Nations ESCAP East and North-West Asia Office, South Korea, 27 November 2014.
- WANG Ke** #WANG, K , *The Debt Market Relevance of Disclosure Tone: Evidence from the Pricing of Credit Default Swaps*, PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 24 June 2015.
- XU Shen** #XU, S , *A Study on CEO Overconfidence and Corporate Social Performance*, PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 4 August 2014.

DEPARTMENT OF ECONOMICS AND FINANCE

Journal publications

- DONG Jinyue** #KWAN, F Y K, #LEUNG, C K Y and #DONG, J , "Comparing consumption-based asset pricing models: The case of an Asian city", *JOURNAL OF HOUSING ECONOMICS*, Vol 28, 2015, pp 18-41.
- #KWAN, Y K and #DONG, J , "Stock price dynamics of China: What do the asset markets tell us about the Chinese utility function", *Emerging Markets Finance and Trade*, Vol 50, 2014, pp 77-109.
- WU Liang** CHEN, T, SO, E P K, #WU, L and #YAN, I K , "THE 2007-2008 US RECESSION: WHAT DID THE REAL-TIME GOOGLE TRENDS DATA TELL THE UNITED STATES?", *Contemporary Economic Policy*, 33(2), April 2015, pp 395-403, doi: 10.1111/coep.12074.
- All other outputs*
- DONG Jinyue** #DONG, J , *Three Essays on Asset Pricing from the Macroeconomic Perspective*, PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 28 July 2014.
- HONG Jie** #HONG, J , *Habits and Uncovered Interest Rate Parity Puzzle: Theory and Estimation*, PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.
- HUANG Ju** #HUANG, J , *Essays on Residential Property Pricing*, PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 7 August 2014.
- LI Tingting** #LI, T , *Essays on Income Inequality, Human Capital and Economic Growth in China*, PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

Section A: Publications of PhD Students

YANG Yibo #YANG, Y, *Two Essays on Economic Development and Growth of Developing Countries*, PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 22 June 2015.

DEPARTMENT OF INFORMATION SYSTEMS

Journal publications

CHEN Xiayu HUANG, Q, #CHEN, X, OU, C X, DAVISON, R M and HUA, Z, "Understanding buyers' loyalty to a C2C platform: the roles of social capital, satisfaction and perceived effectiveness of e-commerce institutional mechanisms", *Information Systems Journal*, 5 June 2015, pp 1-29.

HUA Zhimin HU, D, YAN, J, ZHAO, J L and #HUA, Z, "Ontology-based scenario modeling and analysis for bank stress testing", *Decision Support Systems*, Vol 63, July 2014, pp 81-94, doi: 10.1016/j.dss.2013.08.009.

JIANG Ling #JIANG, L and WAGNER, C J, "Perceptions of Justice or Injustice as Determinant of Contributor Defections from Online Communities", *Journal of the Association for Information Science and Technology*, 66(7), 17 March 2015, pp 1477-1493.

PRAMANIK Md Ieas #PRAMANIK, M I, RASHIDUL HASAN, M A F M, KARMAKER, B K and ALOM, T, "An Art of Location Privacy on Social Media", *International Journal of Scientific & Engineering Research*, 5(12), December 2014, pp 1115-1122.

SHI Na CHAN, T K H, CHEUNG, C M K, #SHI, N and LEE, M K O, "Gender differences in satisfaction with Facebook users", *Industrial Management & Data Systems*, 115(1), 2015, pp 182-206, doi: 10.1108/IMDS-08-2014-0234.

SILVA Attulugamage Thushari, Priyangika #SILVA, T P, MA, J, YANG, C and LIANG, H, "A Profile-Boosted Research Analytics Framework to Recommend Journals for Manuscripts", *JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY*, 66(1), January 2015, pp 180-200, doi: 10.1002/asi.23150.

#ZHANG, M, MA, J, LIU, Z, SUN, J and #SILVA, T P, "A research analytics framework-supported recommendation approach for supervisor selection", *British Journal of Educational Technology*, 2015, pp 1-18, doi: 10.1111/bjet.12244.

WANG Chuang #WANG, C, LEE, M K O and HUA, Z, "A theory of social media dependence: Evidence from microblog users", *Decision Support Systems*, Vol 69, winter 2014, pp 40-49.

#WANG, C, JIN, X, ZHOU, Z, FANG, Y, LEE, M K O and HUA, Z, "Effect of perceived media capability on status updates in microblogs", *Electronic Commerce Research and Applications*, 14(3), May - June 2015, pp 181-191.

WANG Mengyue LI, X, #WANG, M and LIANG, T - , "A multi-theoretical kernel-based approach to social network-based recommendation", *Decision Support Systems*, Vol 65, September 2014, pp 95-104, doi: 10.1016/j.dss.2014.05.006.

XU Yujing ZHOU, G Q, ZHANG, Y, ZENG, L H, HE, W, PANG, Z H, CHEN, X M, #XU, Y, LIAO, S S and CHEN, L L, "Should thorough debridement be used in fibular allograft with impaction bone grafting to treat femoral head necrosis: a biomechanical evaluation", *BMC Musculoskeletal Disorders*, Vol 16, 10 June 2015, pp 140-148.

Section A: Publications of PhD Students

- ZHANG Mingyu** #ZHANG, M, MA, J, LIU, Z, SUN, J and #SILVA, T P , "A research analytics framework-supported recommendation approach for supervisor selection", *British Journal of Educational Technology*, 2015, pp 1-18, doi: 10.1111/bjet.12244.
- ZHANG Wenping** #ZHANG, W, LI, C P, YE, Y M, LI, W J and NGAI, W T , "Dynamic Business Network Analysis for Correlated Stock Price Movement Prediction.", *IEEE Intelligent Systems*, 30(2), 2015, pp 26-33.
- Conference papers*
- CHEN Chongyang** #CHEN, C, ZHANG, K Z K and ZHAO, S J , "Examining the Effects of Perceived Enjoyment and Habit on Smartphone Addiction: The Role of User Type", *International MCETECH Conference*, Canada, 12-15 May 2015.
- DIBIA Victor, Chukwuma** #DIBIA, V C , "An Affective, Normative and Functional Approach to Designing User Experiences for Wearables", *International Conference on Information Systems (Pre-ICIS Workshop)*, Association of Information Systems,, Auckland, New Zealand, 13 December 2014.
- #LOWRY, P B, #DIBIA, V C, #KANG, L, #HASSNA, G and #WEI, S , "How Does Information Technology Capability Enable Digital Transformation , Considering the Mediating Roles of Agility?", *International Conference on Information Systems, JAIS Theory Development Workshop*, Association of Information Systems, Auckland, New Zealand, 13 December 2014.
- #DIBIA, V C , "On the User-centric Evolution of Mobile Money Technologies in Developing Nations: Successes and Lessons.", *Americas Conference on Information Systems*, Association for Information Systems, Savannah, USA, 7 August 2014.
- #DIBIA, V C and WAGNER, C , "Success Within App Distribution Platforms: The Contribution Of App Diversity And App Cohesivity", *Hawaii international conference on system sciences (HICSS)*, IEEE Computer Society and Shidler College of Business University of Hawai'i at Manoa, Hawaii, USA, 5-8 January 2015.
- DU Wei** #DU, W, XU, W, JIANG, H and MA, J , "Fuzzy Classification Scheme Mapping For Decision Making", *2014 International Conference on Information Systems (ICIS 2014)*, Auckland, New Zealand, 14-17 December 2014.
- HASSNA Ghazwan** #HASSNA, G, LEE, C H and ZHAO, J L , "Big data modeling framework for crowdfunding cloud", *Workshop on Internet and BigData Finance (WIBF)*, PRC, 11-12 June 2015.
- #LOWRY, P B, #DIBIA, V C, #KANG, L, #HASSNA, G and #WEI, S , "How Does Information Technology Capability Enable Digital Transformation , Considering the Mediating Roles of Agility?", *International Conference on Information Systems, JAIS Theory Development Workshop*, Association of Information Systems, Auckland, New Zealand, 13 December 2014.
- HU Xi, Cathy** #YIN, P and #HU, X C , "The antecedents and impacts of mobile technostress in workplace", *Americas Conference on Information Systems*, USA, 7-10 August 2014.
- JIANG Ling** #JIANG, L, WAGNER, C J and NARDI, B , "Not Just in it for the Money: A Qualitative Investigation of Workers' Perceived Benefits of Micro-task Crowdsourcing", *Hawaii International Conference on System Sciences 2015*, USA, 5-8 January 2015.

Section A: Publications of PhD Students

#JIANG, L and WAGNER, C J , "Structuring Time through Participation in Micro-task Crowdsourcing: A Time Allocation Perspective", *International Conference on Information Systems 2014*, New Zealand, 14-17 December 2014.

KANG Lele

LOWRY, P B, #DIBIA, V C, #KANG, L, #HASSNA, G and #WEI, S , "How Does Information Technology Capability Enable Digital Transformation , Considering the Mediating Roles of Agility?", *International Conference on Information Systems, JAIS Theory Development Workshop*, Association of Information Systems, Auckland, New Zealand, 13 December 2014.

LI Chen Wei, Jasmine

#LI, C W J, WANG, C A and YUE, W T , "WHAT DO WE KNOW ABOUT CROWDFUNDING? A REVIEW AND A RESEARCH FRAMEWORK", *Workshop on Internet and BigData Finance (WIBF)*, PRC, 11-12 June 2015.

MIRKOVSKI Kristijan

LIU, L I, REN, S, #SONG, L and #MIRKOVSKI, K , "A Mixed-Methods Approach to Disclose the Influence of Twofold Information Usefulness on Sales", *48th Annual Hawaii International Conference on System Sciences*, Kauai, Hawaii, USA, 5-8 January 2015.

SCHUETZ Sebastian, Walter

FOERDERER, J, #SCHUETZ, S W and KUDE, T , "Add-on Solution Success: A Configurational View on Knowledge Sharing in Digital Platforms", *International Conference on Information Systems 2014*, AIS, Auckland, New Zealand, 14-17 December 2014.

FOERDERER, J, KUDE, T, #SCHUETZ, S W and HEINZL, A , "Control versus Generativity: A Complex Adaptive Systems Perspective on Platforms", *International Conference on Information Systems 2014, December 14-17*, AIS, Auckland, New Zealand, 14-17 December 2014.

SONG Long

LIU, L I, REN, S, #SONG, L and #MIRKOVSKI, K , "A Mixed-Methods Approach to Disclose the Influence of Twofold Information Usefulness on Sales", *48th Annual Hawaii International Conference on System Sciences*, Kauai, Hawaii, USA, 5-8 January 2015.

WANG Chuang

#WANG, C, LEE, M K O and HUA, Z , "Understanding and predicting compulsive smartphone use: An extension of reinforcement sensitivity approach", *35th International Conference on Information Systems: Building a Better World Through Information Systems, ICIS 2014*, New Zealand, 14-17 December 2014.

WANG Mengyue

LIANG, T P, LI, X, YANG, C T and #WANG, M , "What in Consumer Reviews Affects the Sales of Mobile App s: the Information Systems Success Perspective", *Taiwan Summer Workshop on Information Management*, Taiwan, 1-3 July 2014.

WEI Shaobo

LOWRY, P B, #DIBIA, V C, #KANG, L, #HASSNA, G and #WEI, S , "How Does Information Technology Capability Enable Digital Transformation , Considering the Mediating Roles of Agility?", *International Conference on Information Systems, JAIS Theory Development Workshop*, Association of Information Systems, Auckland, New Zealand, 13 December 2014.

#WEI, S, LIU, H, KE, W, WEI, K K and HUA, Z , "Mediating Effects of Supply Chain Integration: From IT Capability to Firm Performance", *35th International Conference on Information Systems*, Association for Information Systems (AIS), Auckland, New Zealand, 14-17 December 2014.

Section A: Publications of PhD Students

- WONG Hong Ming Louie** OU, C X J, DAVISON, R M and #WONG, H M L , "Contextual Preferences and Network-Based Knowledge Sharing in China", *29th Americas Conference on Information Systems*, AIS, Savannah, USA, 7-10 August 2014.
- BASKERVILLE, R L, DAVISON, R M, KAUL, M and #WONG, H M L , "Designing Artifacts for Systems of Information", *IFIP WG 8.2 Working Conference on Information Systems and Organizations*, IFIP WG 8.2, Auckland, New Zealand, 11-12 December 2014, pp 233-245.
- OU, C X J, #WONG, H M L, DAVISON, R M and CHENG, Z , "Social Media and Communication Processes at Work: Evidence from China", *9th International Conference on Knowledge and Information Creativity Support Systems*, University of Cyprus, Limassol, Cyprus, 6-8 November 2014, pp 277-288.
- #WONG, H M L, DAVISON, R M, OU, C X J and CHENG, Z , "The Mediating Role of Guanxi Network and Communication Performance in Transforming Web 2.0 Technologies Usage to Work Performance: An Empirical Study in China", *25th Australasian Conference on Information Systems*, ACIS, Auckland, New Zealand, 8-10 December 2014.
- WU Manli** #WU, M , "Effect of Feedback on Creativity in Social Learning Contexts", *Hawaii International Conference on System Sciences*, USA, 5-8 January 2015.
- WU Tailai** #WU, T, SIA, C L, SHI, Y, PENG, C H and LU, Y , "Changing Perceptions of Companies' Website From Foreign to Local: An Experimental Study of Website Localization Strategies", *International Conference on Information Systems*, New Zealand, 14-17 December 2014.
- YANG Chen** #YANG, C, SUN, J, MA, J, #ZHANG, S, WANG, G and HUA, Z , "Scientific Collaborator Recommendation in Heterogeneous Bibliographic Networks", *The 48th Hawaii International Conference on System Sciences*, USA, 5-8 January 2015.
- YIN Pengzhen** #YIN, P and #HU, X C , "The antecedents and impacts of mobile technostress in workplace", *Americas Conference on Information Systems*, USA, 7-10 August 2014.
- ZHANG Shanshan** #YANG, C, SUN, J, MA, J, #ZHANG, S, WANG, G and HUA, Z , "Scientific Collaborator Recommendation in Heterogeneous Bibliographic Networks", *The 48th Hawaii International Conference on System Sciences*, USA, 5-8 January 2015.
- ZHANG Wenping** #ZHANG, W, LAU, R Y K and LI, C P , "Adaptive Big Data Analytics for Deceptive Review Detection in Online Social Media", *International Conference on Information Systems*, New Zealand, 15-19 December 2014.
- ZHANG Xiong** #ZHANG, X and YUE, W T , "An Economic Analysis of Software Bundling on an Integrated Platform", *24th Workshop on Information Technology and Systems*, New Zealand, 17-19 December 2014.
- #ZHANG, X and YUE, W T , "Software Bundling on an Integrated Platform: An Economic Analysis", *The Workshop on Information Technologies and Systems*, USA, 17-19 December 2014.
- ZHENG Yi** #ZHENG, Y, LIU, Q, CHEN, E, ZHAO, J L, HE, L and LV, G , "Convolutional Nonlinear Neighbourhood Components Analysis for Time Series Classification", *PAKDD 2015, Advances in Knowledge Discovery and Data Mining*, Vietnam, 19-22 May 2015.

Section A: Publications of PhD Students

- ZOU Haiyun Melody** #ZOU, H M, QURESHI, I, FANG, Y, LIM, K, RAMSEY, E and MCCOLE, P , "Investigating the Nonlinear Effects of Trust on Online Repurchase Intention -- The Role of E-Commerce Institutional Contexts", *DIGIT 2014 Proceedings*, International Conference on Information Systems (ICIS), Auckland, New Zealand, 14-17 December 2014.
- All other outputs*
- DIBIA Victor, Chukwuma** #DIBIA, V C , PTC Young Scholar Award, Pacific Telecommunications Council, USA, January 2015.
- HUANG Pu** #HUANG, P , *Users' Switching Behavior between Online Social Media Services*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 1 January 2015.
- LOU Jie** #LOU, J , *Towards a Deeper Understanding of Mobile Technology Usage Behavior - An Attachment Perspective*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.
- SILVA Attulugamage Thushari, Priyangika** #SILVA, T P , *A Research Analytics Framework for Expert Recommendation in Research Social Networks*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 22 September 2014.
- SUN Jianshan** #SUN, J , *Article Recommendation in Research Social Networks*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 September 2014.
- VON BRIEL Frederik, Thorsten** #VON BRIEL, F T , *The Influence of Technology Business Accelerator Networks on New Venture Performance: A Mixed Methods Approach*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 16 December 2014.
- WANG Jiawei** #WANG, J , *Anomaly Detection from Time Series Data for Decision Support*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 7 July 2014.
- WU Xiaoyu** #WU, X , *Banking Crisis Dynamics and Financial Risk Management*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 22 August 2014.
- YAN Ziyu** #YAN, Z , *Post-adoption Success of Telemedicine System in Hospitals: Technological, Organizational, Environmental Influences and Technostress*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 17 September 2014.
- ZHANG Hong** #ZHANG, H , *Why SNS Usage Can Become So Compulsive: A Non-Cognitive Habit-Dependency-Compulsion Model*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 3 June 2015.
- ZHENG Xiabing** #ZHENG, X , *Excessive Use of Mobile Social Networking Applications: Negative Consequences on Individuals*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 13 October 2014.

DEPARTMENT OF MANAGEMENT

Journal publications

LI Fangjun

#LI, F, YU, K F, YANG, J J, QI, Z and FU, H Y , "Authentic leadership, traditionality, and interactional justice in the Chinese context", *Management and Organization Review*, 10(2), July 2014, pp 249-273.

XU Qin

#XU, Q, XI, M and ZHAO, S M , "Abusive Supervision and Subordinate Proactive Behavior: Exploring the Effects of Work Engagement and Core Self-Evaluations (基于工作投入與核心自我評價視角的辱虐管理與員工主動行為研究)", *Chinese Journal of Management*, 12(3), March 2015, pp 347-354.

Conference papers

DU Yaolin

#DU, Y, CHEN, Z and ZOU, H , "Linking Support for Creativity and Creative Behavior: The Influence of Intrinsic Motivation and Openness to Experience", *the 1st International Conference of Human Capital*, Chongqing, PRC, 12-15 December 2014.

KALININA Alexandra

#SOLARINO, A M M, BAI, T and #KALININA, A , "When SOEs perform better? A multi country study", *proceedings of 42nd Academy of International Business UK & Ireland Chapter Conference*, Academy of International Business, Manchester, United Kingdom, 16-18 April 2015.

**SOLARINO Angelo,
Maria**

#SOLARINO, A M M , "Are Performance Metrics Comparable Between West and East? A Network Perspective", *Strategic Management Society*, Strategic Management Society, Sydney, Australia, 6-8 December 2014.

#SOLARINO, A M M, BAI, T and #KALININA, A , "When SOEs perform better? A multi country study", *proceedings of 42nd Academy of International Business UK & Ireland Chapter Conference*, Academy of International Business, Manchester, United Kingdom, 16-18 April 2015.

All other outputs

LI Fangjun

#LI, F , *Team Voice, Constructive Change, and Effectiveness: The Role of Leader Cognition*, PhD Thesis, Department of Management, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

**SOLARINO Angelo,
Maria**

#SOLARINO, A M M , Outstanding Reviewer Award for the BPS Division, Academy of Management, USA, May 2015.

DEPARTMENT OF MANAGEMENT SCIENCES

Journal publications

CHE Chan Hou

LUO, Z, QIN, H, #CHE, C H and LIM, L C A , "On service consistency in multi-period vehicle routing", *European Journal of Operational Research*, 243(3), 2015, pp 731-744.

JIN Bo

#JIN, B, ZHU, W and LIM, A , "Solving the container relocation problem by an improved greedy look-ahead heuristic", *European Journal of Operational Research*, 240(3), 2015, pp 837-847, doi: 10.1016/j.ejor.2014.07.038.

WANG, N, #JIN, B and LIM, A , "Target-guided algorithms for the container pre-marshalling problem", *Omega-International Journal of Management Science*, Vol 53, 2015, pp 67-77, doi: 10.1016/j.omega.2014.12.002.

Section A: Publications of PhD Students

- LI Chongshou** CHEANG, B, #LI, C, LIM, A and #ZHANG, Z, "Identifying patterns and structural influences in the scientific communication of business knowledge", *Scientometrics*, 103(1), April 2015, pp 159-189.
- LI Jin** TSO, G K F and #LI, J, "Comparing and Forecasting Economic Developments in the Greater China through Building Chinese Consumer Confidence Indexes", *Advances in Economics and Business*, 2(7), September 2014, pp 268-280, doi: 10.13189/aeb.2014.020703.
- LIU Tian** #LIU, T, XU, X, QIN, H and LIM, L C A, "Travel time analysis of the dual command cycle in the split-platform AS/RS with I/O dwell point policy", *Flexible Services and Manufacturing Journal*, 4 June 2015, doi: 10.1007/s10696-015-9221-7.
- LIU Xing** YUAN, Q, CHUA, G A, #LIU, X and CHEN, Y F, "Unsold Versus Unbought Commitment: Minimum Total Commitment Contracts with Nonzero Setup Costs", *Production and Operations Management*, 24 March 2015, pp 1-18, doi: 10.1111/poms.12364.
- SHEN Huaxiao** FENG, B, LI, Y and #SHEN, H, "Tying mechanism for airlines' air cargo capacity allocation", *European Journal of Operational Research*, Vol 244, 2015, pp 322-330.
- TIAN Tian** WEI, L, #TIAN, T, ZHU, W and LIM, A, "A block-based layer building approach for the 2D guillotine strip packing problem", *European Journal of Operational Research*, 239(1), 16 November 2014, pp 58-69, doi: 10.1016/j.ejor.2014.04.020.
- XUE Li** #XUE, L, LUO, Z and LIM, L C A, "Two exact algorithms for the traveling umpire problem", *European Journal of Operational Research*, 243(3), 2015, pp 932-943.
- ZHANG Zhenzhen** WEI, L, #ZHANG, Z and LIM, A, "An Adaptive Variable Neighborhood Search for a Heterogeneous Fleet Vehicle Routing Problem with Three-Dimensional Loading Constraints", *IEEE Computational Intelligence Magazine*, 9(4), November 2014, pp 18-30.
- WEI, L, #ZHANG, Z, ZHANG, D and LIM, A, "A variable neighborhood search for the capacitated vehicle routing problem with two-dimensional loading constraints", *European Journal of Operational Research*, 243(3), June 2015, pp 798-814.
- CHEANG, B, #LI, C, LIM, A and #ZHANG, Z, "Identifying patterns and structural influences in the scientific communication of business knowledge", *Scientometrics*, 103(1), April 2015, pp 159-189.
- Conference papers*
- LAU Chun Kit** #LAU, C K, LAI, K K and LEE, Y P, "Improving Hospital Patient Flow Efficiency- A Simulation Approach", *International Conference on Healthcare and Management 2015 (ICHM 2015)*, Chang Gung University, Chang Gung Medical Group and Taiwan Association for Medical Informatics, Taoyuan, Taipei, Taiwan, 21-24 June 2015.
- ZHANG Tao** LAM, A, #ZHANG, T and LAI, K K, "A Study on Hong Kong Rice Supply Chain Risk Management with Value Chain Analysis", *Industrial Engineering, Management Science and Applications 2015*, Japan, 26-28 May 2015, pp 491-499.
- ZHANG Zhenzhen** WEI, L, #ZHANG, Z and LIM, L C A, "An evolutionary local search for the capacitated vehicle routing problem minimizing fuel consumption under three-dimensional loading constraints", *2014 10th International Conference on Natural Computation*, PRC, 19-21 August 2014, pp 203-208.

Section A: Publications of PhD Students

All other outputs

- CHEN Yibo** #CHEN, Y, *Empirical Investigation of Price Movements of China Stock Index Futures*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 4 March 2015.
- CUI Ligang** #CUI, L, *Research on the Joint Replenishment Model Based on the RFID Technology*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 16 January 2015.
- FANG Yaner** #FANG, Y, *Information Disclosure, Chain Competition and Dynamic Incentive Design in Supply Chain Management*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 3 July 2014.
- FENG Guiyun** #FENG, G, *A Nonparametric Method for Pricing and Hedging American Options*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 11 September 2014.
- GUAN Jingjing** #GUAN, J, *Modeling Methods for Residential Energy Consumption and User Behaviors of Online-Targeted Display Advertising*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 2 September 2014.
- TSO, G K F and #GUAN, J, "Report of Hong Kong Consumer Confidence Index for the 1st Quarter 2015 (香港消費者信心指數 2015 年第 1 季度 結果發佈)", Hong Kong, PRC, 8 April 2015, 9 p.
- TSO, G K F and #GUAN, J, "Report of Hong Kong Consumer Confidence Index for the 3rd Quarter 2014 (香港消費者信心指數 2014 年第 3 季度結果發佈)", Hong Kong, PRC, 8 October 2014, 9 p.
- TSO, G K F and #GUAN, J, "Report of Hong Kong Consumer Confidence Index for the 4th Quarter 2014 (香港消費者信心指數 2014 年第 4 季度結果發佈)", Hong Kong, PRC, 8 January 2015, 9 p.
- HE Rongchuan** #HE, R, *Algorithms for Sparse Optimization: Complexity and Applications*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 11 December 2014.
- HUANG Ying** #HUANG, Y, *Inter-Market Pairs Trading Strategy Construction Using Stochastic Approach*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 4 August 2014.
- LIU Fan** #LIU, F, *Statistical Models for Customer-base Analysis*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 30 December 2014.
- LU Yagang** #LU, Y, *The Analysis of Employee Commitment and Service Performance - Evidence from Hospitality Industry in China*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 4 August 2014.
- QIANG Lu** #QIANG, L, *Intertemporal Pricing in New Product Introduction*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.

Section A: Publications of PhD Students

- SONG Lianlian** #SONG, L , *Modelling Viewing Behavior Towards Television Programs and Advertisements*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 5 September 2014.
- TIAN Tian** #TIAN, T , *Generalized Container Loading Problem and Its Applications*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 22 July 2014.
- WANG Fei** #WANG, F , *Dynamic Trading Strategies in Portfolio Choice Problems*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 16 January 2015.
- WANG Hao** #WANG, H , *Risk Analysis, Underlying Asset Price Forecasting and Strategies Design of Index Option*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 4 August 2014.
- ZHANG Tao** #ZHANG, T , Best Paper Award at the 7th Global Supply Chain Management Conference, Committee of 7th Global Supply Chain Management Conference, Zhejiang University, PRC, 28 March 2015.
- ZHOU Jianhong** #ZHOU, J , *Penalized Likelihood and Model Averaging*, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 11 June 2015.
- ZHU Han** #ZHU, H , Best Student Paper Award of International Research Conference on Systems Engineering and Management Science 2015 (IRC-SEMS2015), Department of Systems Engineering and Engineering Management, City University of Hong Kong & Economics and Management School, Wuhan University, PRC, 27 March 2015.

DEPARTMENT OF MARKETING

Journal publications

- ZHANG Ting** #ZHANG, T, GOU, Q and LIANG, L , "Suppliers' competition and manufacturer's product mix: the role of ingredient brand", *4OR-A Quarterly Journal of Operations Research*, 16 June 2015, doi: 10.1007/s10288-015-0291-x.

Conference papers

- Bai Xuan** #CHANG, I N, #BAI, X and LI, J J , "The Influence of Institutional Forces on IJVs' Foreign Parents' Opportunism and IJVs' Relationship Extendedness", *2014 Summer Marketing Educators Conference*, American Marketing Association, San Francisco, USA, 1-3 August 2014.
- CENTENO Dave, De Guzman** #CENTENO, D and WANG, J J , "Parasocial Memory: Consumers' Symbolic Narratives and Cultural Distinctions of Celebrities' Intimate Familiarity", *North American- Advances in Consumer Research*, vol 42, USA, 23-26 October 2014, p 775.
- #CENTENO, D and WANG, J J , "Parasocial Memory: Consumers' Symbolic Narratives and Cultural Distinctions of Celebrities' Intimate Familiarity", *Advances in Consumer Research*, USA, 24-26 October 2014.
- CHANG In Ngan** #CHANG, I N, #BAI, X and LI, J J , "The Influence of Institutional Forces on IJVs' Foreign Parents' Opportunism and IJVs' Relationship Extendedness", *2014 Summer Marketing Educators Conference*, American Marketing Association, San Francisco, USA, 1-3 August 2014.

Section A: Publications of PhD Students

ZANG Jinjuan #ZANG, J, "A Moderated Mediation Model of Leaders' Sensing-intuition Preference and Adaptive Performance", *The 74th Annual Meeting of the Academy of Management*, USA, 1-5 August 2014.

All other outputs

Bai Xuan #BAI, X, *Governance Mechanisms and Interfirm Performance: A Cross-level Approach and an Institutional Perspective*, PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

XIE Tingting #XIE, T, *Does Consumer Ambivalence toward Products Reduce as a Result of Selective Exposure to Online Reviews?*, PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 25 November 2014.

College of Liberal Arts and Social Sciences

DEPARTMENT OF APPLIED SOCIAL SCIENCES

Scholarly books, monographs and chapters

DUAN Wenjie HO, S M, YUEN, A N Y and #DUAN, W, *Discover Your Own Resilience. Applications and Skills in Positive Psychology (发现自己的抗逆力: 正向心理学的应用和技巧)*, Beijing: Social Sciences Academic Press, ISBN: 978-7-5097-5804-5, Beijing, PRC, July 2014.

HO, S M Y, #DUAN, W and TANG, S C M, "The psychology of virtue and happiness in western and asian thought", *The philosophy and psychology of character and happiness*, N. E. Snow and F. V. Trivigno (eds), Routledge, New York, USA, 2014, pp 215-240.

TANG Xiaoqing #TANG, X and CHAN, R K H, "New Citizens in Urban China: From Exclusion to Inclusion", *Global China: Internal and External Reaches*, Wong, B.P.N. and Cheng, J.Y.S. (eds), World Scientific, ISBN: 978-981-4596-72-5, Singapore, May 2015, Chapter 6, pp 165-191.

WANG Ting #WANG, T and CHAN, K C C, "Changing Faces of Chinese Labor Regimes: Case Studies in Beijing and Shenzhen", *Global China: Internal and External Reaches*, Pak Nung Wong and Yu-shek Joseph Cheng (ed), World Scientific, May 2015, Chapter 3, pp 75-103.

Journal publications

ADJORLOLO Samuel #ADJORLOLO, S and CHAN, H C O, "Forensic assessment via videoconferencing: Issues and practice considerations", *Journal of Forensic Psychology Practice*, 15(3), 2015, pp 185-204, doi: 10.1080/15228932.2015.1015363.

#ADJORLOLO, S and CHAN, H C, "The controversy of defining serial murder: Revisited", *Aggression and Violent Behavior*, 19(5), SEP-OCT 2014, pp 486-491, doi: 10.1016/j.avb.2014.07.003.

CHAN Hong Yee Gloria #CHAN, H Y G and LO, T W, "Do friendship and intimacy in virtual communications exist? An investigation of online friendship and intimacy in the context of hidden youth in Hong Kong", *REVISTA DE CERCETARE SI INTERVENTIE SOCIALA*, Vol 47, 2014, pp 117-136.

#CHAN, H Y G and LO, T W, "Negative emotion and deviant behaviour of youth in social withdrawal situation in Hong Kong (香港隐蔽青年、负面情绪及偏差行为)", *青少年犯罪問題*, 33(3), 2014, pp 43-51.

Section A: Publications of PhD Students

#CHAN, H Y G and LO, T W , "Quality of life of the hidden youth in Hong Kong", *Applied Research in Quality of Life*, Vol 9, 2014, pp 951-969.

DUAN Wenjie

#DUAN, W, HO, S M, #TANG, X, LI, T and ZHANG, Y , "Character Strength-Based Intervention to Promote Satisfaction with Life in the Chinese University Context", *Journal of Happiness Studies*, 15(6), 2014, pp 1347-1361.

#DUAN, W, HO, S M, SIU, P Y, LI, T and ZHANG, Y , "Role of virtues and perceived life stress in affecting psychological symptoms among Chinese college students", *Journal of American College Health*, 63(1), 2015, pp 32-39.

LING Ching Yin

KWOK LAI, S Y C, CHENG, L, CHOW, W Y B and #LING, C Y , "The Spillover Effect of Parenting on Marital Satisfaction Among Chinese Mothers", *Journal of Child & Family Studies*, 24(3), March 2015, pp 772-783, doi: 10.1007/s10826-013-9888-x.

LIU Susu

#LIU, S and CHONG, A M L , "Role adjustment after retirement and active ageing: A qualitative study of elders in Hong Kong (城市老年人退休后的角色適應與老有所為: 香港社區老年人的定性研究)", *Social Work*, Vol 253, August 2014, pp 118-125.

TANG Xiaoqing

#DUAN, W, HO, S M, #TANG, X, LI, T and ZHANG, Y , "Character Strength-Based Intervention to Promote Satisfaction with Life in the Chinese University Context", *Journal of Happiness Studies*, 15(6), 2014, pp 1347-1361.

WEN Zhuoyi

#WEN, Z and CHONG, A M L , "Legitimate deficit: Competitive bidding in a residual and semi-democratic welfare society", *VOLUNTAS*, 25(5), 22 August 2014, pp 1214-1234, doi: 10.1007/s11266-014-9499-1.

Conference papers

CHENG Fei

#CHENG, F, YE, X, MAO, L H and YUE, X D , "Celebrity worship affects estimation of psychological distance by high level of perceptual construal", *the 28th International Congress of Applied Psychology*, The International Association of Applied Psychology (IAAP), the French Federation for Psychologists and Psychology (FFPP), French Society of Psychology (SFP), the French National Committee of Scientific Psychology (CNFPS), Paris, France, 8-13 July 2014.

JIA Xinshan, Cindy

LI, J C M, CHEUNG, C K J and #JIA, X C , "Adolescent compensated dating: perception and preference of handling among different stakeholders in Hong Kong", *Joint World Conference on Social Work, Education and Social Development*, IASSW, ICSW & IFSW, Melbourne, Australia, 9-12 July 2014.

LI, J C M and #JIA, X C , "Girls' compensated dating: Insiders' voices vs. outsiders' views", *the 7th Annual Conference of the Asian Criminological Society*, Asian Criminological Society, Hong Kong, PRC, 24-27 June 2015.

LI, J C M and #JIA, X C , "Girls' Compensated Dating: Issues, Perception and Preference in Handling", *American Society of Criminology, Annual Meeting: Criminology at the Intersections of Oppression*, American Society of Criminology, San Francisco, USA, 19-21 November 2014.

#JIA, X C , "Lay theories about compensated dating among youth at-risk", *The Annual Conference of the Hong Kong Sociological Association*, Hong Kong, PRC, 5-6 December 2014.

Section A: Publications of PhD Students

MOK Wai Yin, Louis #MOK, W Y L and WONG, D S W , "Public Acceptance on the Use of Restorative Justice to Combat Spousal Abuse in Hong Kong", *7th Annual Conference of the Asian Criminological Society*, Asian Criminological Society, Hong Kong, Hong Kong, PRC, 25-27 June 2015.

All other outputs

GAO Yunjiao #GAO, Y , *Strains and Delinquency of Migrant Adolescents in China: A Study from the Perspective of General Strain Theory*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 5 August 2014.

HO Chun Yip Henry #HO, C Y H , *Intergenerational Conflict in the Workplace: An Integration of Dual Concern Model and Social Identity Theory*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 27 August 2014.

LING Ching Yin #LING, C Y , *An Integrated Resilience Factors and Family Ecological Model of Child Abuse and Neglect*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 30 December 2014.

LIU Susu #LIU, S , *Social Support network, Coping and Positive Aging among the Community-dwelling Elderly in Hong Kong*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 11 September 2014.

LIU Zhanguo #LIU, Z , *Crimes in Villages-in-city: A Case Study of Tang Village in Shenzhen*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

WANG Ting #WANG, T , "Emergence of the Chinese Workers", Chinese working class in SOEs, *China Policy Institute Blog*, China Policy Institute, University of Nottingham, United Kingdom, 10 October 2014.

WEN Zhuoyi #WEN, Z , *The Impact of Welfare Subvention Reform on NGOs in Hong Kong: Managerialism and Political Economy*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 5 September 2014.

YU Yanping #YU, Y P , *The Dynamic Process of Young Adolescents Running away from Home in China: A Case Study of Kunming City*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 11 May 2015.

ZHOU Guangdong #ZHOU, G , *The Influence of Inter-Parental Conflict, Parenting Styles, and Attachment on Reactive and Proactive Aggression in Adolescence*, PhD Thesis, Department of Applied Social Sciences, City University of Hong Kong, Hong Kong, PRC, 12 September 2014.

DEPARTMENT OF ASIAN AND INTERNATIONAL STUDIES

Journal publications

KHAN Sajjad Ali #KHAN, S A , "Devolution Plan 2000: dictatorship, democracy and politics of institutional change in Pakistan", *Development in Practice*, 25(4), 24 April 2015, pp 574-586.

LAMRAD Nadira #LAMRAD, N and HANLON, M , "Untangling Fashion for Development", *Fashion Theory-The Journal of Dress Body & Culture*, 18(5), 1 November 2014, pp 601-632, doi: <http://dx.doi.org/10.2752/175174114X14042383562182>.

Section A: Publications of PhD Students

- SCHWAK Juliette** #SCHWAK, J , "Multiplication of violence calls for a profound reform of South Korean army (La multiplication des violences appelle à une réforme en profondeur de l'armée (published in French))", *Korea Analysis*, Vol 6, 28 May 2015, p 23-28.
- SUN Chenguang** #SUN, C and ZHANG, Z , "Analysis on Current Situation and Influence Factors of Community Residents' Participation during the Process of Low-carbon City Construction: On the Basis of an Empirical Investigation in Chengyang District, Qingdao, Mainland China", *Journal of Urbanology*, 6(1), 30 March 2015, pp 29-62.
- #SUN, C and LIU, X , "The Impact of Urban Female Residents' Social Capital on Political Participation: An Empirical Analysis based on CGSS (城市女性居民的社会资本对个人政治参与的影响 - 基于中國綜合社會調查(CGSS)的實証分析)", *Journal of Guangzhou University (Social Sciences Edition)* , 13(10), 15 October 2014, pp 36-43.
- #SUN, C , "Why Capitalism Has Not Occurred in China: a Revisit of the "Weber's Proposition" Based on The Religion of China: Confucianism and Taoism (再探“韦伯命题”：中国为何没有出现资本主义？——基于《中国的宗教：儒教与道教》的一种解释)", *東方論壇*, Issue 1, 15 January 2015, pp 110-114.
- UDDIN Md Kamal** #UDDIN, M K , "Human Rights Violations by U N Peacekeepers: An End to Impunity", *Security and Human Rights*, Vol 25, 31 December 2014, pp 130-144, doi: DOI! 1 0 .1 1 6 3 /1 8 7 5 0 2 3 0 -0 2 5 0 1 0 0 6.
- YAP Valerie Chan** #YAP, V C , "The religiosity of Filipina domestic workers in Hong Kong", *Asian Anthropology*, 14(1), 27 May 2015, pp 91-102, doi: 10.1080/1683478X.2015.1025600.
- ZHANG Qiang** #ZHANG, Q , "'A Watch Dropped in the Desert": Journey to a War and the New Life Movement", *Athens Journal of History*, 1(2), April 2015, pp 147-159.
- Conference papers*
- LAN Yizhou** #LAN, Y , "Frequency-influenced choice of L2 sound realization and perception: evidence from two Chinese dialects", *Proceedings of the 28th Pacific Asia Conference on Language, Information, and Computation (PACLIC 28)*, ACL, Bangkok, Thailand, 15-21 December 2014, pp 292-298.
- SCHWAK Juliette** #SCHWAK, J , "National Identity in the Era of Global Competitiveness: A Critical Analysis of Nation Branding Through the Case of South Korea", *Identities and Identifications: Politicized Uses of Collective Identities*, Italy, 17-18 October 2014.
- #SCHWAK, J , "Northeast Asia before the West: a Confucian international society?", *Non-Western approaches of International Relations*, Association Française de Science Politique, Aix en Provence, France, 22-24 June 2015.
- #SCHWAK, J , "South Korean nation branding and the building of a competitiveness society", *Should nations compete?*, Tax Justice Network and City University London, London, United Kingdom, 25-26 June 2015.
- #SCHWAK, J , "The Dynamic of South Korean capital and development cooperation in Southeast Asia: the case of the Philippines", *Labour Activists and Scholars Exchange*, Asia Monitor Resource Center HK, Manila, Philippines, 5-6 May 2015.

Section A: Publications of PhD Students

SUN Chenguang

#SUN, C and MIAO, B, "Bewilderment between Primitivity and Modernity: Agrotourism Transition in Qiandongnan Minority Community and Rethink on its Cultural Implications (原生態的價值堅守抑或現代化的利益追逐? – 黔東南少數民族社區 ” 農家樂 ” 旅遊轉型及其文化變遷反思)", *Nanshan Forum of PhD Candidates from Shenzhen, Hong Kong, Macao and Taiwan, Tsinghua University (Shenzhen Campus)*, PRC, 12-13 December 2014.

#SUN, C and MIAO, B, "Exploring Influence Factors and Mechanisms of Community Residents' Participation during the Process of Urban Low-carbonized Transition: On the Basis of an Empirical Research in Qingdao (低碳城市建设中社区居民参与的影响因素和机制的分析——基于青岛市城阳区的调查)", *2014 Annual Convention of China's Sociological Association*, PRC, 10-12 July 2014.

#SUN, C and MIAO, B, "Self-government Facilitated by Participation: Prospect of Community Environmental 'Participatory Governance' in the Context of Low-carbon City Construction (以参与促进自治: 低碳城市建设中社区环境“参与式治理”的前景——基于青岛市城阳区的实证研究)", *Workshop of China's National Governance Policy, Jilin University*, PRC, 2-3 August 2014.

#SUN, C, "The Politicalization of Community Participation in Environmental Governance during the Process of Urban Regeneration: The Case of Mass Protests against 'Stuttgart 21' Megaproject (城市更新进程中社区参与环境治理的政治化倾向: 以反对“斯图加特 21”工程的群体性抗议为例)", *2015 International Forum on City and Society*, Tongji University, Shanghai, PRC, 10-11 April 2015.

#SUN, C and MIAO, B, "Urban Health Index Facilitated by Low-carbon Notion: Analysis on Influence Factors and Mechanisms of Community Residents' Participation during the Process of Low-carbon City Construction", *Academic Symposium on Healthy City Construction, Suzhou University*, PRC, 7-8 November 2014.

TYRALA Michael

#TYRALA, M, "USA and its Changing Role in the Regulation of the Offshore Economy", *Should Nation States Compete?*, City University London, Association for Accountancy & Business Affairs, Tax Justice Network, London, United Kingdom, 25-26 June 2015.

UDDIN Md Kamal

#UDDIN, M K, "A Culture of Impunity and Human Rights Abuses in Bangladeshi Policing: A Partisan Role of the State and Non-State Actors", *7th Annual Conference of Asian Criminological Society*, Asian Criminological Society, Hong Kong, PRC, 24-26 June 2015.

#UDDIN, M K, "Militarization of Policing and Human Rights Violations: A case of Bangladesh", *86th annual conference of the Southern Political Science Association (SPSA)*, Southern Political Science Association (SPSA, New Orleans, Louisiana, USA, 14-17 January 2015.

#UDDIN, M K, "Militarization of Policing and Human Rights Violations: A Study on Rapid Action Battalion of Bangladesh", *Asian Association of Police Studies(AAPS) Annual Conference*, Asian Association of Police Studies(AAPS), Tokyo, Japan, 1-4 December 2014.

YAP Valerie Chan

#YAP, V C, "Making Homes: the Filipino Community of Guam", *Exchange and Change: the Philippines and Filipinos in the World*, The Australian National University, Australia, 13-14 September 2014.

Section A: Publications of PhD Students

- YEW Wei Lit** #YEW, W L , "A tale of two towns: Explaining variation in government response to environmental protests in Malaysia", *SEA Studies Symposium 2015*, Sunway University, Malaysia, 20-24 March 2015.
- #YEW, W L , "To concede or to suppress? Local government response to NIMBY environmental protests in China", *The Asian Political and International Studies Association (APISA) 8TH Annual Congress*, APISA, Chiang Mai, Thailand, 19-20 September 2014.
- #YEW, W L , "When Goliath lets David win: China's Concessions to Local Environmental Protests", *The 3rd Global Social Sciences Graduate Students Conference*, Hong Kong Baptist University, Hong Kong, PRC, 15-16 November 2014.
- All other outputs*
- ARENAS Felma Joy Tadios** #ARENAS, F J T , *Managing Transnational Families: Emotional Labour and Entrepreneurial Agency among Filipino Migrant Domestic in Hong Kong*, PhD Thesis, Department of Asian and International Studies, City University of Hong Kong, Hong Kong, PRC, 18 June 2015.
- NOVI Dayanti** #DAYANTI, N , "The Construction of Gender Identity of Indonesian Transvestite (Waria) in the Perspective of State Ideology, Islam and Culture (Adat) in Indonesia. (Konstruksi Identitas Waria di Jambi (Indonesia) dalam Sudut Pandang Ideologi Negara, Islam dan Adat)", 1-2 November 2014.
- PANT Pooja** #PANT, P , *Climate Change, Livelihood and Food Security: A Study in Lowland in Far Western Nepal*, PhD Thesis, Department of Asian and International Studies, City University of Hong Kong, Hong Kong, PRC, 23 June 2015.
- SCHWAK Juliette** #SCHWAK, J , "South Korean nation branding: Global recognition as the final step in a successful capitalist development", 2800 words article in an on-line publication focusing on international relations. French publication, article published in English in the Asia column of the publication., *Perspectives Internationales (online)*, France, 4 January 2015.
- SHUM Chun Tat** #SHUM, C T T , *"Refugee" and Migration: A Study of Asylum Seeking in Hong Kong and Thailand*, PhD Thesis, Department of Asian and International Studies, City University of Hong Kong, Hong Kong, PRC, 16 September 2014.
- SUN Chenguang** #SUN, C , "Second Prize for Presented Paper" of 2014 Annual Convention of China's Sociological Association, China's Sociological Association, 11 July 2014.
- #SUN, C , "What Went Wrong with the Election Polls? Observation and Rethink on 2015 British Parliamentary Election (失效的民调：英国大选结果观察)", *The Chinese Weekly*, 5 June 2015, pp 44-45.
- UDDIN Md Kamal** #UDDIN, M K , "Militarization of Policing and Human Rights Violations: A case of Bangladesh", The Prestage-Cook Travel Award, Southern Political Science Association (SPSA), United States of America, USA, 16 January 2015.
- YEW Wei Lit** #YEW, W L , (Book / Software Review) "Book Review: The Politics of Uncertainty: Sustaining and Subverting Electoral Authoritarianism", *Journal of Asian Politics and History*, Issue 6, USA, Spring 2015, pp 106-109.

DEPARTMENT OF CHINESE AND HISTORY

Conference papers

DMITRENKO Aleksandrs

#DMITRENKO, A , "Russian Ecclesiastical Mission in China in comparison to other Christian Missions: reasons for a failure (Российская Духовная миссия в Китае в сравнении с инославными миссиями: причины неуспеха)", *Missionaries in the Far East*, Institute of Oriental Manuscripts, RAS, Russian Christian Humanitarian Academy., Saint Petersburg, Russian Federation, 19-20 November 2014, pp 30-31.

ZHONG Weiping

#ZHONG, W and KWOK, B , "A diachronic comparison on the stratal morphology in the Xiamen Southern Min (變與不變: 廈門閩南語文白異讀構詞的歷時比較)", *Symposium on the 'Chinese Vernacular Documents Kept Overseas and the Southern Chinese in the Ming-Qing Period'*, The Sun Yat-Sen University, Guangzhou, PRC, 28-30 November 2014.

ZHUANG Yingyi

#ZHUANG, Y , "Teaching Online and Offline: A Case Study on the Application of a Computer-aided, Discovery-driven Model of Translator Training in CityU's Undergraduate Course of 'Practical Translation'", *2014 International Conference on Translation Education Computer-Aided Teaching of Translation: Theory, Practice and New Technologies*, The Halliday Centre for Intelligent Applications of Language Studies; Hong Kong, PRC, 16-17 August 2014.

All other outputs

EL-SAYED Gouda Ibrahim Hashish

#EL-SAYED, G I H S G , *The Return of Old Forms in Contemporary Poetry*, PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

HUANG Yang

#HUANG, Y , *Synchronic Variation, Grammaticalization and Language Contact: The Development of the FINISH Morphemes in the Yue-Chinese and the Zhuang Languages in the Guangxi Region*, PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 18 August 2014.

LIN Beibei

#LIN, B , *Pound's Poetics Seen through Translation*, PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 25 June 2015.

LIU Lu

#LIU, L , *A Study on Modern Chinese Women Writers' Works from the Aspect of Modernity*, PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 22 January 2015.

XIE Fu

#XIE, F , *A Qualitative and Quantitative Study of the Verb-Copying Sentence in Modern Chinese*, PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

DEPARTMENT OF ENGLISH

Journal publications

WANG Ho Simon

FLOWERDEW, J and WANG, H S , "Identity in Academic Discourse", *Annual Review of Applied Linguistics*, Vol 35, 15 March 2015, pp 81-99, doi: 10.1017/S026719051400021X.

Conference papers

DE GROOT Freek Olaf

#DE GROOT, F O , "Mediated discourse analysis as an alternative approach to researching technology-mediated language learning", *JALT-CALL Language Learning Technologies & Learner Autonomy*, JALT-CALL Japanese Association for Language Teaching: Special interest group Computer Assisted Language Learning, Fukuoka, Japan, 5-7 June 2015.

Section A: Publications of PhD Students

- FU Meng Xing** #FU, M X , "Tales of the New Strange (1870-1890): Wang Tao's *Zhiguai* Writing", *旅行的文本·影像与媒介 Travelling Text/Image/Media: The Association of Chinese and Comparative Literature Conference*, International Center for Studies of Chinese Civilization at Fudan University, Shanghai, PRC, 18-20 June 2015, p 216-220.
- RAMACHANDRAN Sreedhevi** #RAMACHANDRAN, S , "Writing from the Hyphen: A Discourse Analysis on Creative Process of Transnational Writers", *Transnational Creatives: Empathy, Voice and Creative Leadership*, Adnan Mahmutovic, Stockholm, Sweden, 10-13 August 2014.
- ROWLETT Benedict, John lewis** #ROWLETT, B J L , "Exploring the conditions for second language socialization", *Faces of English: Theory, practice and pedagogy*, University of Hong Kong, Hong Kong, PRC, 11-13 June 2015.
- #ROWLETT, B J L , "Language learning, sexual identity and opportunity in Cambodia", *The 22nd Annual Conference on Lavender Languages and Linguistics*, American University, Washington DC, USA, 13-15 February 2015.
- WANG Ho Simon** FLOWERDEW, J and #WANG, H S , "Identity in Academic Discourse", *American Association of Applied Linguistics International Conference*, Canada, 21-24 March 2015.
- FLOWERDEW, J and #WANG, H S , "Language re-use as a strategy for research writing", *Writing for scholarly publication*, Hong Kong, PRC, 22-23 May 2015.
- #WANG, H S , "Peer review for TOEFL writing tests in an online forum", *Faces of English*, Hong Kong, PRC, 11-13 June 2015.
- #WANG, H S , "Perceptions, Problems and Strategies of EFL candidates of GRE analytical writing tests", *AAAL 2015*, Toronto, Canada, 27-31 March 2015.
- FLOWERDEW, J and #WANG, H S , "Voice appropriation and identity transformation of Chinese applicants applying for English-speaking graduate schools", *The Sociolinguistics of Globalization: (De)centring and (de)standardization*, The Hong Kong University, Hong Kong, PRC, 3-6 June 2015.
- ZOU Di** #ZOU, D, #XIE, H, LI, Q, WANG, F L and CHEN, W , "The Load-Based Learner Profile for Incidental Word Learning Task Generation", *International Conference on Web-based Learning (ICWL) 2014, LNCS vol. 8613*, Tallin, Estonia, 14-17 August 2014, pp 190-200.
- Creative and literary works, consulting reports and case studies*
- HILL Christopher, John** #HILL, C J , "The Mantis and the King", Creative Non-Fiction Essay, *Cha: An Asian Literary Journal*, Hong Kong, PRC, March 2015.
- RAMACHANDRAN Sreedhevi** #RAMACHANDRAN, S , "Essay, 'Briefing Notes: How Will History View The Protests in Hong Kong?'" , Essay for Free Word Centre UK, *Free Word Centre*, London, United Kingdom, 21 October 2014.
- #RAMACHANDRAN, S , "'MFAoC'?", Essay, USA, 11 January 2015.
- #RAMACHANDRAN, S , "Participation in Performance", Workshopped play that won The Matilda Award for Best New Australian Play, 2015, The Matilda Awards, La Boite Theatre Company, Australia, 9 March 2015.

Section A: Publications of PhD Students

#RAMACHANDRAN, S , "Sardinian Writing Residency", Participated in Sardinian Writing Residency with MFA, special selection, Italy, 6-10 October 2014.

All other outputs

ALVARO Joseph James

#ALVARO, J J , *The Language of Ideology in China's English Press: Representations of Dissent*, PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

FREEMAN Danyal Jonathan

#FREEMAN, D J , *A Vernacular Rhetoric of Anti-Politics*, PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 5 May 2015.

HAYWARD Thomas Gavin

#HAYWARD, T G , *Internationalization and the Discursive Shaping of Higher Education Practices: A Case Study from Taiwan*, PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 26 June 2015.

LAMBERT James, Richard

#LAMBERT, J R , *Beyond Hobson-Jobson: Towards a New Lexicography for Indian English*, PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 16 July 2014.

RAMACHANDRAN Sreedhevi

#RAMACHANDRAN, S , Hong Kong Special Folio Editor, *Drunken Boat*, USA, 31 December 2014 - 20 April 2015.

WAN Alina

#WAN, A , *Applied Genre Analysis in Professional Contexts: Discourses of and Perspectives from IPO Lawyers and Reporting Accountants*, PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 16 March 2015.

YOO Stephanie, Misook

#YOO, S M , *Writing beyond the Nation: Globality, Aesthetics, and the Asian American Novel, 2000-2010*, PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 17 October 2014.

DEPARTMENT OF LINGUISTICS AND TRANSLATION

Scholarly books, monographs and chapters

NIU Changwei

LUO, L, #NIU, C and QIAN, Y , *新 HSK 四級通關——攻略 模擬 解析*, 外語教學與研究出版社, ISBN: 978-7-5135-5371-1, PRC, 1 December 2014.

SHAO Jing

LI, B and #SHAO, J , "Perception and production of Chinese sounds by non-native Speakers", *Encyclopedia of Chinese Language and Linguistics*, Rint Sybesma (ed), Brill, Netherlands, 31 May 2015, p 165.

WONG Tak Sum

YAP, F H, YANG, Y and #WONG, T S , "On the Development of Sentence Final Particles (and Utterance tags) in Chinese", *Discourse Functions at the Left and Right Periphery: Crosslinguistic Investigations of Language Use and Language Change, Studies in Pragmatics Series*, 1st edition, Kate Beeching & Ulrich Detges (ed), Emerald Publishers, ISBN: 978-90-04-27480-8, Bingley, United Kingdom, September 2014, Chapter 8, pp 179-220.

YONG Qian

#雍茜 , "" 在 + 处所 + VP 着 “ 动态论元结构的最终形成 - 兼论构式与动词的论元互动规则”, *国际汉语学报*, Vol 4, 上海学林出版社, ISBN: 978-7-5486-0099-2, PRC, December 2014, p 163.

Section A: Publications of PhD Students

Journal publications

- CAO Yi Xin** #CAO, Y X, "Translation Crowdsourcing and the Transmutation of Translator's Subjectivity (网络众包翻译模式与译者主体性的嬗变)", *East Journal of Translation*, 33(1), Spring 2015, pp 31-34, 91.
- LEE Tsz Hin, Daniel** #LEE, T H D, "Coherence and Subject/Object Asymmetry from Accessibility Hierarchy in Chinese Revisited: Evidence from Experimental Work", *International Journal of Arts & Sciences*, 8(2), Spring 2015, pp 241-251.
- #LEE, T H D, "Pronoun Resolution in Discourse by Chinese Dyslexic Children: A Preliminary Study on Text Integration", *Asian Journal of Education and e-Learning*, 3(1), 19 February 2015, pp 43-50.
- NIU Changwei** #NIU, C, "An Exploration of Chinese News Audio-visual-oral Teaching Mode with an open Vision (开放视野下“汉语新闻视听说”教学模式的探索)", *TCSOL Studies*, Vol 4, Winter 2014, pp 57-62.
- WANG Jia, Lana** #WANG, J L and XU, C, "Cue Competition between Animacy and Word Order: Acquisition of Chinese Notional Passives by L2 Learners", *Open Journal of Modern Linguistics*, 5(2), Spring 2015, pp 213-224, doi: 10.4236/ojml.2015.52017.
- YEUNG Chak Yan** LEE, J S Y, #YEUNG, C Y, ZELDES, A, REZNICEK, M, LÜDELING, A and WEBSTER, J J, "CityU corpus of essay drafts of English language learners: a corpus of textual revision in second language writing", *Language Resources and Evaluation*, 18 April 2015, pp 1-25.
- YONG Qian** #雍茜, "违实句的形态类型及汉语违实句 (The Typological Stage of Morphology in Chinese Counterfactuals)", *外國語(上海外國語大學學報)*, 38(1004-5139), January 2015, pp 30-41.
- Conference papers*
- CHEN Bei** #CHEN, B, "Atypical Objects in Mandarin Chinese", *The 2014 Annual Research Forum of the Linguistic Society of Hong Kong*, The Linguistic Society of Hong Kong, Hong Kong, PRC, 6 December 2014.
- CHU Tianshu** #CHU, T, "Gene in the popular discourse on science: a lexico-grammatical decoding", *The Making of Meaning: Grammar, Society and Consciousness (The 14th National Conference on Functional Linguistics)*, PRC, 23-26 April 2015.
- HIRATA Masayuki** #HIRATA, M and FANG, A C, "A Corpus-Based Study of Noun-Adjective Continuum in Japanese and English", *AsiaLex 2015: Words, Dictionaries and Corpora: Innovation in Reference Science*, Hong Kong Polytechnic University, Hong Kong, Hong Kong, PRC, 25-26 June 2015.
- LEE Tsz Hin, Daniel** CHAN, Y H, #LEE, T H D and YANG, C L, "Word Order and Pragmatic Impact on Pronoun Coreference in Discourse Integration", *28th Annual CUNY Conference on Human Sentence Processing*, Departments of Linguistics and Psychology, University of Southern California, Los Angeles, CA, USA, 20 March 2015.
- LI Yanjiao** #LI, Y, FANG, A C and CAO, J, "A Quantitative View of Short Utterances in Daily Conversation: A Case Study of That's right, That's true and That's correct", *The 28th Pacific Asia Conference on Language, Information and Computation*, Thailand, 12-14 December 2014, pp 378-386.

Section A: Publications of PhD Students

#LI, Y, FANG, A C and CAO, J , "Relating Structural Cues to Assessments in SWBD-DAMSL", *The 2015 Conference of the Pacific Association for Computational Linguistics*, Indonesia, 19-21 May 2015, pp 137-142.

LIU Ying

#LIU, Y, FANG, A C and WEI, N , "A corpus-based quantitative study of nominalizations across Chinese and British Media English", *Proceedings of the 28th Pacific Asia Conference on Language, Information and Computation (PACLIC 28)*, PACLIC Steering Committee, Thailand, 12-14 December 2014, pp 101-110.

PENG Xin

#PENG, X and ZHANG, W , "It takes two to tango: Collaboratively achieving reenactment in storytelling", *Revisiting Participation: Language and Bodies in Interaction*, University of Basel, Basel, Switzerland, 24-27 June 2015.

SHAO Jing

#SHAO, J and LI, B , "Phonetic characteristics of Mandarin sibilants produced by Korean learners of Mandarin", *Proceedings of 2014 International Conference on Phonetic Research and Language Learning & English Phonetic Conference in China*, PRC, 17-19 October 2014, pp 146-149.

WANG Honghua

YAN, J X, #WANG, H and WU, H , "An investigation into interpreting students' performance: A corpus-based assessment", *International Symposium on Grids and Clouds (ISGC 2015)*, Academia Sinica, Taiwan, Taipei, Taiwan, 15-20 March 2015.

YAN, J X and #WANG, H , "The construction and application of an error annotated learner translation corpus in translation classes", *the 11th Teaching and Language Corpora Conference*, United Kingdom, 21-23 July 2014.

PAN, J, YAN, J X and #WANG, H , "The current trends of research on interpreting pedagogy: A data-driven review", *the International Conference on Translation and Interpreting (the KATS-ERITS Conference)*, South Korea, 17-18 October 2014.

WONG Tak Sum

#WONG, T S and LEE, J S Y , "Corpus-Based Learning of Cantonese for Mandarin Speakers", *CALL Design: Principles and Practice: Proceedings of the 2014 EUROCALL Conference*, Groningen, The Netherlands, University of Groningen, Groningen, Netherlands, 20-23 August 2014, pp 196-201.

YEUNG Chak Yan

LEE, J S Y, #YEUNG, C Y and CHODOROW, M , "Automatic Detection of Comma Splices", *Pacific Asia Conference on Language, Information and Computation*, Thailand, 12-14 December 2014.

YUAN Mengxi

#YUAN, M and HARA, Y , "The semantics of the two kinds of questions in Mandarin: A case study of discourse adverbs", *Proceedings of the 44th Meeting of the North East Linguistic Society*, Vol 2, USA, November 2014, pp 279-290.

All other outputs

BI Luosha

#BI, L , *Bi-Verbal Construction and Mandarin Indirect Passives: An Information Structure Approach*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 30 June 2015.

HIRATA Masayuki

#HIRATA, M , *A Corpus-based Study of Encoding Processes from the Japanese Language to the English Language*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 25 November 2014.

Section A: Publications of PhD Students

- HONG Wei** #HONG, W , *A Study on L2 Acquisition of Chinese Near-synonyms*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 20 August 2014.
- JIN Nana** #JIN, N , *On Interpersonal Meaning Potential of English Speech Verbs*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 18 August 2014.
- LAI Yin Yee** #LAI, Y Y , *Temporal Modification in Cantonese: The Semantic Study of the Sentence-final Particle lei4 in Simplex and Bi-clausal Sentences*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 7 August 2014.
- LI Jian** #LI, J , *A Phonetic Study of the Nasals and Vowel Nasalization in Standard Chinese*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 8 July 2014.
- LI Yee Na** #LI, Y N , *A Semantic Study of Restrictive Particles in Cantonese*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 15 August 2014.
- LIU Mengbin** #LIU, M , *The Unaccusative Hypothesis and the Syntax of Archaic Chinese*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 11 May 2015.
- PENG Xin** #PENG, X , *Co-organizing Storytelling in Chinese Conversation: Suspension and Returning in Telling Sequences*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 30 June 2015.
- SHAO Jing** #SHAO, J , *Acquisition of Mandarin Coronal Sibilants by Adult Korean Speakers*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 16 April 2015.
- SONG Yan** #SONG, Y , *Transductive Learning, Data Refactoring and Model Reweighting in Domain Adaptation for Language Processing*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 11 March 2015.
- WANG Honghua** #WANG, H , *Learner Beliefs, Foreign Language Anxiety and Translation Learning: An Investigation into Tertiary Translation Classrooms in China*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 17 October 2014.
- WANG Wen** #WANG, W , *Dialect-Switching Phenomenon in Danyang Operas: A Systemic Functional Approach*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 16 July 2014.
- WARBURTON Kara, Cordelia** #WARBURTON, K C , *Narrowing the Gap between Termbases and Corpora in Commercial Environments*, PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 8 July 2014.

DEPARTMENT OF MEDIA AND COMMUNICATION

Scholarly books, monographs and chapters

JIANG Yalong

SKORIC, M, PARK, Y and #JIANG, Y, "Cultural Values and Digital Networks as Predictors of Sustainable Democratic Development", *Technological determinism and social change: Communication in a tech-mad world*, Jan Servaes (ed), Lexington Books, ISBN: 9780739191255, USA, 18 December 2014, Chapter 6, pp 87-104.

MADRID MORALES Daniel

#MADRID MORALES, D, "China's International Television Broadcasting and the Spanish speaking world", *Global Media Worlds and China*, Luo, Q., Svensson, G. and Rydholm, L. (eds), Communication University of China Press, Beijing, PRC, 15 May 2015, pp 187-203.

#MADRID MORALES, D and MARTINEZ, G, *El manga y la animación japonesa (Manga and Japanese animation)*, Oberta UOC Publishing, ISBN: 978-84-9064-785-1, Spain, 1 May 2015, 120 p.

Journal publications

CAO Bolin

#CAO, B and LIN, W Y, "How do victims react to cyberbullying on social networking sites? The influence of previous cyberbullying victimization experiences", *Computers in Human Behavior*, Vol 52, 2015, pp 458-465.

WANG Zhenzhen

#WANG, Z Z and ZHU, J H J, "Homophily versus preferential attachment: Evolutionary mechanisms of scientific collaboration networks", *International Journal of Modern Physics C*, 25(5), 2014, pp 1440014-1-1440014-8.

JIANG, L C, #WANG, Z Z, PENG, T Q and ZHU, J H J, "The divided communities of shared concerns: Mapping the intellectual structure of e-Health research in social science journals", *International Journal of Medical Informatics*, 84(1), 2015, pp 24-35.

Conference papers

BERNADAS Jan Michael Alexandre, Cortez

#BERNADAS, J M A C and JIANG, L C, "Of and Beyond Medical Consequences: Exploring Health Information Scanning and Seeking Behaviors of Filipino Domestic Service Workers in Hong Kong", *The 65th Annual Conference of International Communication Association*, San Juan, USA, 21-25 May 2015.

CAO Bolin

LIN, W Y and #CAO, B, "Predicting college students' outspokenness in the pro-democracy movement in Hong Kong", *International Conference on e-Democracy and Open Government (CeDEM) Asia 2014*, Hong Kong, PRC, 4-5 December 2014.

#CAO, B and LIN, W Y, "Revisiting the Contact Hypothesis: Effects of Different Modes of Computer-Mediated Communication and Attitude Strengths on Intergroup Relationships", *Association for Education in Journalism and Mass Communication Conference (AEJMC)*, Canada, 6-9 August 2014.

LIN, W Y and #CAO, B, "Revisiting the Spiral of Silence: How Majority and Minority Groups Differ in Voicing their Opinions in the Pro-democracy Movement in Hong Kong", *International communication conference (ICA)*, USA, 21-25 May 2015.

#CHEN, Q and #CAO, B, "Social Media Policies in China: The Status Quo, the Elements and the Directions", *The 2014 Asian Symposium of Doctoral Students in Communication*, Singapore, 15-17 October 2014.

Section A: Publications of PhD Students

- CHEN Qiang** #CHEN, Q and #CAO, B , "Social Media Policies in China: The Status Quo, the Elements and the Directions", *The 2014 Asian Symposium of Doctoral Students in Communication*, Singapore, 15-17 October 2014.
- GONG Wanqi** JIANG, L C and #GONG, W , "A Content Analysis of Public Service Announcements Promoting Influenza Vaccination in Hong Kong", *The National Communication Association 100th Annual Convention*, National Communication Association, Chicago, USA, 20-23 November 2014.
- JIANG, L C and #GONG, W , "Counteracting for the Indirect Influence: The Responses of Chinese Single Women to Prejudicial Media Portrayals", *the International Communication Association's 65th Annual Conference*, SAN JUAN, USA, 21-25 May 2015.
- #GONG, W , "Transforming Fans into Profit: Celebrity Endorsement on Microblog", *the International Communication Association's 65th Annual Conference*, SAN JUAN, USA, 21-25 May 2015.
- #GONG, W , "Transforming Fans into Profit: Popular IDs' Advertising on Weibo", *Fifth Honours Symposium for Asian PhD Students in Communication Research*, Nanyang Technological University, Singapore, 15-16 November 2014.
- HERNANDEZ MARTINEZ Miriam** #MADRID MORALES, D and #HERNANDEZ MARTINEZ, M , "Global television news in Spanish: a comparison of news content on CCTV-E, RT and HispanTV", *China's Media Go Global*, School of Journalism and Communication, Tsinghua University Tsinghua-Epstein Centre for Global Media and Communication China Media Centre, Westminster University Chinese Association of Global Communication, Beijing, PRC, 2-3 September 2014.
- LIN Sixian** #LIN, S , "Why Framing National Identities Fails: A Case Study on the Anti-National Education Movement in Hong Kong", *The Fifth Honours Symposium for Asian PhD Students in Communication Research*, Nanyang Technological University, Singapore, 15-16 November 2014.
- LIU Jing** SKORIC, M, #LIU, J and LAMPE, C , "Gauging Public Opinion in the Age of Social Media", *International Communication Association Annual Conference*, International Communication Association, USA, 21-25 May 2015.
- LIU Qian** #LIU, Q , "Reversed spiral of silence: A case study of Fang-Han Debate on the outspokenness of deviant opinions on the Internet in China", *American Association for Public Opinion Research*, USA, 14-17 May 2015.
- #LIU, Q and #TU, C , "Unequal Privacy Online: Investigating Antecedents of SNS Users' Behaviors of Online Protecting and Searching for Private Information", *ICA*, USA, 21-25 May 2015.
- LOVRIC Bruno** #LOVRIC, B , "Communicating Japan's Identity: Popular Films and Soft Power", *The Fifth Asian Conference on Media & Mass Communication 2014 (MediAsia2014)*, IAFOR, Osaka, Japan, 13-16 November 2014.
- #LOVRIC, B , "Harnessing the Soft Power: What Stories do Chinese Movies Tell about China", *China's Media Go Global*, Tsinghua University, Beijing, PRC, 5-10 September 2014.

Section A: Publications of PhD Students

- LU Yin** SONG, Y, #LU, Y, CHANG, T K and HUANG, Y , "How the News Media in China Use Opinion Polls Online and Offline: The Emergent Ecology of Participatory Journalism in an Authoritarian Space", *the International Communication Association's 65th Annual Conference*, USA, 21-25 May 2015.
- MADRID MORALES Daniel** #MADRID MORALES, D and WASSERMAN, H , "Chinese media in South Africa: attitudes and awareness amongst media practitioners", *International Conference on China-Africa Communications Media Development, Cross-cultural Communication and Public Diplomacy*, Communication University of China, Beijing, PRC, 12-13 June 2015.
- #MADRID MORALES, D , "Exercising soft power in the living room: television drama in CCTV's foreign language channels", *New European Research on Contemporary China*, French Center for Research on Contemporary China (CEFC) and Sino-French Academic Center (CFC, Tsinghua University), Beijing, PRC, 2-4 July 2014.
- #MADRID MORALES, D and #HERNANDEZ MARTINEZ, M , "Global television news in Spanish: a comparison of news content on CCTV-E, RT and HispanTV", *China's Media Go Global*, School of Journalism and Communication, Tsinghua University Tsinghua-Epstein Centre for Global Media and Communication China Media Centre, Westminster University Chinese Association of Global Communication, Beijing, PRC, 2-3 September 2014.
- #MADRID MORALES, D and #ZENG, Y , "News coverage of GM food in three developing economies: a comparison of Brazilian, Chinese and Indian newspapers", *IAMCR 2014*, Hyderabad, India, 15-19 July 2014.
- #MADRID MORALES, D , "Why Are Chinese Media in Africa? Evidence from Xinhua's news coverage of Africa between 1982 and 2012", *China's Soft Power in Africa: emerging media and cultural relations between China and Africa*, School of Contemporary Chinese Studies at the University of Nottingham Ningbo Campus, Ningbo, PRC, 4-5 September 2014.
- PENG Kun** #PENG, K , "Intermedia agenda setting between newspapers and microblogs in China", *Fifth Honours Symposium for Asian PhD Students in Communication Research*, Singapore, 15-16 November 2014.
- TU Caixie** #LIU, Q and #TU, C , "Unequal Privacy Online: Investigating Antecedents of SNS Users' Behaviors of Online Protecting and Searching for Private Information", *ICA*, USA, 21-25 May 2015.
- WANG Chengjun** JIANG, L C, #YANG, M I and #WANG, C , "Disclosures to Parents in Emerging Adulthood: Examining the Role of Separation-Individuation in Parent-Child Relationships", *National Communication Association 100th Annual Convention*, National Communication Association, Chicago, USA, 20-23 November 2014.
- XIA Chuanli** #XIA, C.L. , "User-generated Content on News Websites: Why Do People Comment on A News Story?", *The Fifth Honours Symposium for Asian PhD Students in Communication Research*, NTU, Singapore, 15-16 November 2014.
- YANG Ming** JIANG, L C, #YANG, M I and #WANG, C , "Disclosures to Parents in Emerging Adulthood: Examining the Role of Separation-Individuation in Parent-Child Relationships", *National Communication Association 100th Annual Convention*, National Communication Association, Chicago, USA, 20-23 November 2014.

Section A: Publications of PhD Students

- ZENG Yuan** #MADRID MORALES, D and #ZENG, Y , "News coverage of GM food in three developing economies: a comparison of Brazilian, Chinese and Indian newspapers", *IAMCR 2014*, Hyderabad, India, 15-19 July 2014.
- ZHU Qinfeng** PANG, N and #ZHU, Q , "How YouTubers saw The Little India Riot: The role of YouTube in responding to a riot", *Proceedings of the International Conference for E-Democracy and Open Government - Asia 2014*, Hong Kong, Hong Kong, PRC, 4-6 December 2014, pp 193-197.
- #ZHU, Q , "Internet growth, e-government, and government performance: A longitudinal study of the Chinese first-level administrative divisions (1999-2014)", *Proceedings of the International Conference for E-Democracy and Open Government 2015*, Danube University, Krems, Austria, 20-22 May 2015, pp 405-409.
- #ZHU, Q, #SKORIC, M and PENG, T Q , "Internet penetration and public service delivery: A longitudinal study of the first-level administrative divisions in China (1997-2012)", *International Conference for E-Democracy and Open Government- Asia 2014*, Hong Kong, PRC, 4-6 December 2014.
- #SKORIC, M, #SHEN, F C and #ZHU, Q , "(Not) Under My Umbrella: Political Engagement and Polarization on Facebook and Online Forums during the 2014 Hong Kong Protests", *The 65 annual conference of the International Communication Association (ICA, 2015), preconference: New Media and Citizenship in Asia: Civic Engagement for Sustainable Development across the Life Span*, San Juan, USA, 21-25 May 2015.
- #ZHU, Q , "Trans-nation information dissemination about Hong Kong Occupy Central Movement on Twitter", *The 65th annual conference of the International Communication Association (ICA, 2015), preconference: New Media and Citizenship in Asia: Civic Engagement for Sustainable Development across the Life Span*, the International Communication Association, San Juan, USA, 21-25 May 2015.
- All other outputs*
- HO Jeffrey Chun Fai** #HO, J C F , *Processing and Elaboration of Web Based Information: The Influence of Information Scent, Task, and Content Relevance*, PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 14 August 2014.
- LIU Na** #LIU, N , *Media Representation, Citizenship Rights and Civil Society in China, 1978-2012*, PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 29 December 2014.
- QIN Jie** #QIN, J , *Emergence, Evolution, and Effectiveness of Interorganizational Computer-mediated Communication Networks: A Study of the Hyperlink Networks among Environmental Non-governmental Organizations in the United States and China*, PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 18 September 2014.
- SZILAGYI Anna** #SZILAGYI, A , *Party-Press Parallelism: Reception and Representation of China's Soft Power in Post-Communist Hungary*, PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 23 June 2015.
- WANG Chengjun** #WANG, C , *Jumping over the Network Threshold: Information Diffusion on Information Sharing Websites*, PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 5 September 2014.

Section A: Publications of PhD Students

WANG Zhenzhen #WANG, Z, *Mapping the Landscape of Communication Research around the World: A Structural Theory of Academic Dependency*, PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 19 January 2015.

DEPARTMENT OF PUBLIC POLICY

Scholarly books, monographs and chapters

MAI Qianqing #MAI, Q and FRANCESCH HUIDOBRO, M D M, *Climate Change Governance in Chinese Cities*, Routledge, ISBN: 978-1-13-878542-7, Abingdon, Oxon., United Kingdom, 7 December 2014.

Journal publications

LIU Ting #LIU, T and YAU, Y, "Institutional inadequacies and successful contentions: a case study of the LULU siting process in Hong Kong", *Habitat International*, Vol 44, October 2014, pp 22-30, doi: 10.1016/j.habitatint.2014.05.002.

XIAO Hanyu #XIAO, H, "Budget Transparency in China: Current Situation, Trajectory and its Impact (中国预算透明的现状、发展路径及影响)", *复旦公共行政评论*, Vol 11, 2014, p 135-163.

LI, H, #XIAO, H and GONG, T, "The Impact of Economic Well-being on Perceptions of Anti-corruption Performance: Evidence from China", *Policy and Society*, 34(2), 2015, pp 97-109, doi: <http://dx.doi.org/10.1016/j.polsoc.2015.05.001>.

LI, H, GONG, T and #XIAO, H, "The Perception of Anti-corruption Efficacy in China: An Empirical Analysis", *Social Indicators Research*, Spring 2015, doi: DOI 10.1007/s11205-015-0859-z.

#XIAO, H, "如何防治“腐败年轻化”", *檢察風雲*, Vol 6, 2015, p 18-19.

YANG Litianqing GONG, T and #YANG, L, "以地方为基础的廉政管理：创新与意义", *Journal of Guangzhou University (Social Sciences Edition)*, 14(2), 2015, pp 5-11.

Conference papers

BOERSMA Maren Kerstin #BOERSMA, M K, "Fast lives, low incomes? Time in everyday lives of low income service sector workers", *Metropolitan Temporalities, 3rd Annual Conference of the DFG International Graduate Research Program/IGK, Berlin - New York - Toronto: "The World in the City: Metropolitanism and Globalization from the Nineteenth Century to the Present"*, Center for Metropolitan Studies, Technische Universität Berlin & DFG International Graduate Research Program/IGK, Berlin - New York - Toronto, Berlin, Germany, 20-22 November 2014.

#BOERSMA, M K, "Theorizing time-relations in 'acceleration' societies: time practices of high-paid and low-paid workers in Hong Kong", *Lancaster University Summer Conference*, Department of Sociology, Lancaster University, Lancaster, United Kingdom, 30 June - 1 July 2014.

LIU Ting #LIU, T and YAU, Y, "On resident participation in social movements against locally unwanted land uses in Hong Kong", *The 16th Annual Conference of the Hong Kong Sociological Association*, Hong Kong, PRC, 5-6 December 2014.

SIRAJ Md Sanwar #SIRAJ, M S, "Organ donation and family relations in Bangladesh (Not Applicable)", *15 Asian Bioethics Conference*, Ritsumeikan Asia Pacific University (APU), Beppu and Kumamoto University, Kumamoto, Japan, 5-9 November 2014, pp 57-60.

Section A: Publications of PhD Students

- TAN Hongze** #TAN, H, LUO, J, GEIR, I O, ZHENG, Y and PAN, J , "The pollution caused by protection: the unintended consequences of the local governance of the urban drinking water source protection in Tianjin, China", *The 11th Cross-Strait Academic Conference on Public Administration*, Macao University, Macao, Macau, PRC, 15-16 May 2015.
- TRITTO Angela** #TRITTO, A , "Heritage 2014", *Heritage 2014 – Proceedings of the 4th International Conference on Heritage and Sustainable Development*, Green Lines Institute, Portugal, 22-25 July 2014.
- XIAO Hanyu** LI, H, GONG, T and #XIAO, H , "The Perception of Anti-corruption Efficacy in China", *Next Steps for Public Administration in Theory and Practice: Looking Backward and Moving Forward*, Sun Yat-sen University and Public Administration Review, Guangzhou, PRC, 16-17 November 2014.
- #XIAO, H and GONG, T , "The State of Corruption Studies: A Document Analysis", *China's Integrity System: Reform and Innovation*, Sun Yat-sen University, Guangzhou, PRC, 15-16 November 2014.
- YANG Litianqing** GONG, T and #YANG, L , "Enhancing Integrity Management in Local China (加强以地方为基础的廉政管理：创新与意义)", *Conference on Integrity Theory and New Normal*, Nanchang Univesity, PRC, 8-9 May 2015.
- GONG, T and #YANG, L , "Innovation with Limited Institutional Autonomy: Local Anti-corruption Initiatives in China", *Social Innovation Research Conference (SIRC)*, PRC, 21-22 May 2015.
- ZHAO Lingling** #ZHAO, L and HIGGINS, P , "Professionalization of HRM in China", *ILPC*, ILPC, Athens, Greece, 13-15 April 2015.
- All other outputs*
- HAN Lin** #HAN, L , *From Rigid Stability to Social Governance: Innovations in Social Security and Public Security Arrangements in Shandong Province, China*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 29 April 2015.
- LI Letian** #LI, L , *Formation of Infrastructural Power: Study on Non-state Service Delivery System in China's Urban Communities*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 29 May 2015.
- LIANG Yuqing** #LIANG, Y , *Sustaining Administrative Reform in China through Path Dependence and Creation: The Case of Shunde District, Guangdong Province*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 6 January 2015.
- LIU Ting** #LIU, T , *Collective Actions against Locally Unwanted Land Uses in Hong Kong*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 19 January 2015.
- MAI Qianqing** #MAI, Q , *Climate Change in Southern Chinese Cities: Integrating Sectoral Mitigation Innovations with Collaborative Municipal Networks*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 6 August 2014.

Section A: Publications of PhD Students

- WU Yan** #WU, Y, *Fiscal Decentralization and Local Education Spending: A Difference-in-Differences Analysis of the Province-Managing-County Reform in China*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 22 December 2014.
- XIAO Hanyu** #XIAO, H, "The Perception of Anti-corruption Efficacy in China: An Empirical Analysis", The Management Association's Best Paper Award (2014) ([第九届(2014)中国管理学年会优秀论文, 不公平感与反腐败效能感——什么塑造了个体对反腐败的态度]), Chinese Society of Management Modernization, Fudan Premium Fund of Management, Sun Yat-Sen Business School, PRC, November 2014.
- ZHU Guilun** #ZHU, G, *Transforming the Agency of Chinese Cadres: A Case Study of the 'Sending the Cadres Off' Scheme in Hubei Province*, PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 5 August 2014.

College of Science and Engineering

DEPARTMENT OF ARCHITECTURE AND CIVIL ENGINEERING

Journal publications

- ALABI Stephen Adeyemi** #HU, Q, LAM, H F and #ALABI, S A, "Use of Measured Vibration of In-Situ Sleeper for Detecting Underlying Railway Ballast Damage", *International Journal of Structural Stability and Dynamics*, 15(8), 16 April 2015, pp 1540026-1-1540026-15, doi: 10.1142/S021945541540026X.
- ALADEJARE Adeyemi Emman** WANG, Y and #ALADEJARE, A E, "Selection of site-specific regression model for characterization of uniaxial compressive strength of rock", *International Journal of Rock Mechanics and Mining Sciences*, Vol 75, 2015, pp 73-81.
- AN Weiguang** #AN, W, JIANG, L, SUN, J and LIEW, K M, "Correlation analysis of sample thickness, heat flux, and cone calorimetry test data of polystyrene foam", *Journal of Thermal Analysis and Calorimetry*, 119(1), January 2015, pp 229-238, doi: 10.1007/s10973-014-4165-9.
- #AN, W, XIAO, H, LIEW, K M, JIANG, L, YAN, W, ZHOU, Y, HUANG, X, SUN, J and GAO, L, "Downward flame spread over extruded polystyrene", *Journal of Thermal Analysis and Calorimetry*, 119(2), February 2015, pp 1091-1103, doi: 10.1007/s10973-014-4186-4.
- #AN, W, JIANG, L, SUN, J H and LIEW, K M, "Effect of sample width on downward flame spread over typical energy conservation material at a high elevation area", *Applied Mechanics and Materials*, Vol 664, October 2014, pp 199-203.
- #AN, W, WANG, Z, XIAO, H, SUN, J and LIEW, K M, "Thermal and fire risk analysis of typical insulation material in a high elevation area: Influence of sidewalls, dimension and pressure", *Energy Conversion and Management*, Vol 88, December 2014, pp 516-524, doi: 10.1016/j.enconman.2014.08.026.
- CHEN Ruiyu** #CHEN, R Y C R, LU, S X, ZHANG, B, LI, C and LO, S M, "Correlation of rate of gas temperature rise with mass loss rate in a ceiling vented compartment", *Chinese Science Bulletin*, 59(33), November 2014, pp 4559-4567, doi: 10.1007/s11434-014-0479-z.

Section A: Publications of PhD Students

#LI, M, LU, S, GUO, J, #CHEN, R Y and TSUI, K L, "Flame spread over n-butanol at sub-flash temperature in normal and elevated altitude environments", *Journal of Thermal Analysis and Calorimetry*, 119(1), January 2015, pp 401-409, doi: 10.1007/s10973-014-4190-8.

#LI, M, LU, S, GUO, J, #CHEN, R Y C R and TSUI, K L, "Initial Fuel Temperature Effects on Flame Spread over Aviation Kerosene in Low- and High-Altitude Environments", *Fire Technology*, 51(3), May 2015, pp 707-721, doi: 10.1007/s10694-014-0395-4.

CHENG Yong

#CHENG, Y, LIN, J Z and FONG, M L A, "Effects of temperature and supply airflow rate on thermal comfort in a stratum-ventilated room", *Building and Environment*, Vol 92, 2015, pp 269-277.

DUAN Cuie

#DUAN, C, GU, Z, JIAO, J and LU, W J, "CFD Simulation on Ventilation Performance in Residential Community with Multi Building Layouts", *International Journal of Civil and Structural Engineering– IJCSE*, 2(1), 30 April 2015, pp 251-253.

#DUAN, C, GU, Z, JIAO, J and LU, W J, "Numerical studies on ventilation and pollutant dispersion in residence community with different building layouts", *International Journal of Civil and Structural Engineering– IJCSE*, 2(1), 30 April 2015, pp 251-253.

FU Libi

#FU, L, SONG, W, LV, W and LO, S, "Simulation of emotional contagion using modified SIR model: A cellular automaton approach", *Physica A-Statistical Mechanics and Its Applications*, Vol 405, 1 July 2014, pp 380-391.

FU Ru

#FU, R, COOP, M R and LI, X Q, "The mechanics of a compressive sand mixed with tyre rubber", *Geotechnique Letters*, Vol 4, JUL-SEP 2014, pp 238-243, doi: 10.1680/geolett.14.00027.

HU Jun

#YANG, J, LAM, H F and #HU, J, "Ambient vibration test, modal identification and structural model updating following Bayesian framework", *International Journal of Structural Stability and Dynamics*, 15(7), Summer 2015, pp 1540026-1-1540026-16, doi: 10.1142/S021945541540026X.

HU Qin

LAM, H F, #HU, Q and WONG, M T, "The Bayesian methodology for the detection of railway ballast damage under a concrete sleeper", *Engineering Structures*, Vol 81, 15 December 2014, pp 289-301, doi: 10.1016/j.engstruct.2014.08.035.

#HU, Q, LAM, H F and #ALABI, S A, "Use of Measured Vibration of In-Situ Sleeper for Detecting Underlying Railway Ballast Damage", *International Journal of Structural Stability and Dynamics*, 15(8), 16 April 2015, pp 1540026-1-1540026-15, doi: 10.1142/S021945541540026X.

HUANG Kai

CAO, Z, #HUANG, K and WANG, Y, "Bayesian inverse analysis for geotechnical site characterisation using Cone Penetration Test", *International Journal of Reliability and Safety*, 8(2-4), 2014, pp 97-116.

HUANG Pei

SUN, Y, #HUANG, P and HUANG, G, "A multi-criteria system design optimization for net zero energy buildings under uncertainties", *Energy and Buildings*, Vol 97, 15 June 2015, pp 196-204.

Section A: Publications of PhD Students

#HUANG, P, HUANG, G and WANG, Y , "HVAC system design under peak load prediction uncertainty using multiple-criterion decision making technique", *Energy and Buildings*, Vol 91, 28 June 2015, pp 26-36, doi: <http://dx.doi.org/10.1016/j.enbuild.2015.01.026>.

JIA Peng

#JIA, P, LAI, S K, ZHANG, W and LIM, C W , "Experimental and FEM modal analysis of a deployable-retractable wing", *Modern Mechanical Engineering*, Vol 4, 1 November 2014, pp 183-197.

JIANG Cheng

#JIANG, C, WU, Y and WU, G , "Plastic Hinge Length of FRP-Confined Square RC Columns", *Journal of Composites for Construction*, 18(4), August 2014, p 04014003, doi: 10.1061/(ASCE)CC.1943-5614.0000463.

JIANG Saihua

#JIANG, S, GUI, Z, SHI, Y, ZHOU, K, #YUAN, B, BAO, C, LO, S M and HU, Y , "Bismuth subcarbonate nanoplates for thermal stability, fire retardancy and smoke suppression applications in polymers: A new strategy", *Polymer Degradation and Stability*, Vol 107, September 2014, pp 1-9, doi: 10.1016/j.polymdegradstab.2014.04.027.

LEI Zuxiang

ZHANG, L, #LEI, Z and LIEW, K M , "Buckling analysis of FG-CNT reinforced composite thick skew plates using an element-free approach", *Composites Part B-Engineering*, Vol 75, 15 June 2015, pp 36-46, doi: 10.1016/j.compositesb.2015.01.033.

#LEI, Z, ZHANG, L W, LIEW, K M and YU, J L , "Dynamic stability analysis of carbon nanotube-reinforced functionally graded cylindrical panels using the element-free kp-Ritz method", *Composite Structures*, Vol 113, July 2014, pp 328-338, doi: 10.1016/j.compstruct.2014.03.035.

ZHANG, L, #LEI, Z and LIEW, K M , "Free vibration analysis of functionally graded carbon nanotube-reinforced composite triangular plates using the FSDT and element-free IMLS-Ritz method", *Composite Structures*, Vol 120, February 2015, pp 189-199, doi: 10.1016/j.compstruct.2014.10.009.

LIEW, K M, #LEI, Z and ZHANG, L , "Mechanical analysis of functionally graded carbon nanotube reinforced composites: A review", *Composite Structures*, Vol 120, February 2015, pp 90-97, doi: 10.1016/j.compstruct.2014.09.041.

ZHANG, L, #LEI, Z and LIEW, K M , "Vibration characteristic of moderately thick functionally graded carbon nanotube reinforced composite skew plates", *Composite Structures*, Vol 122, April 2015, pp 172-183, doi: 10.1016/j.compstruct.2014.11.070.

LI Dongming

ZHANG, L W, #LI, D and LIEW, K M , "An element-free computational framework for elastodynamic problems based on the IMLS-Ritz method", *Engineering Analysis with Boundary Elements*, Vol 54, May 2015, pp 39-46, doi: 10.1016/j.enganabound.2015.01.007.

LI Guohui

#LI, G, LU, S, MEI, P, ZHANG, H and LO, S M , "Influences of Time, Location, and Cause Factors on the Probability of Fire Loss in China: A Correspondence Analysis", *Fire Technology*, 50(5), September 2014, pp 1181-1200, doi: 10.1007/s10694-014-0385-6.

LI Xianfeng

ZHAO, J, WANG, S, CHANG, Y and #LI, X , "A novel image encryption scheme based on an improper fractional-order chaotic system", *Nonlinear Dynamics*, Vol 80, 21 January 2015, pp 1721-1729, doi: 10.1007/s11071-015-1911-x.

Section A: Publications of PhD Students

LEUNG, A Y T, #LI, X, CHU, Y and RAO, X , "A simple adaptive-feedback scheme for identical synchronizing chaotic systems with uncertain parameters", *Applied Mathematics and Computation*, Vol 253, 15 February 2015, pp 172-183, doi: 10.1016/j.amc.2014.12.076.

LEUNG, A Y T, #LI, X, CHU, Y and RAO, X , "Synchronization of fractional-order chaotic systems using unidirectional adaptive full-state linear error feedback coupling", *Nonlinear Dynamics*, 22 May 2015, doi: 10.1007/s11071-015-2148-4.

LIANG Qi

LEUNG, M Y, BOWEN, P, #LIANG, Q and FAMA KIN, I O , "Development of a job-stress model for construction professionals in South Africa and Hong Kong", *Journal of Construction Engineering and Management*, 141(2), 25 February 2015, pp 04014077-1-04014077-9, doi: [http://dx.doi.org/10.1061/\(ASCE\)CO.1943-7862.0000934](http://dx.doi.org/10.1061/(ASCE)CO.1943-7862.0000934).

LIAO Yundan

#LIAO, Y W, HUANG, G, SUN, Y and ZHANG, L , "Uncertainty analysis for chiller sequencing control", *Energy and Buildings*, Vol 85, 28 September 2014, pp 187-198.

LIU Huazhong

#LIU, H, LIEW, K M and PAN, C , "The role of F-dopants in adsorption of gases on anatase TiO₂ (001) surface: a first-principles study", *RSC Advances*, 4(68), August 2014, pp 35928-35942, doi: 10.1039/c4ra04305g.

LOU Siwei

LI, D H W, LI, C, #LOU, S, TSANG, E K W and LAM, J C , "Analysis of vertical sky components under various CIE standard general skies", *Indoor and Built Environment*, 22 May 2015, doi: 10.1177/1420326X15587128.

MEMON Shazim Ali

XU, W T, LO, T Y, OUYANG, D, #MEMON, S A, XING, F, WANG, W L and YUAN, X Z , "Effect of rice husk ash fineness on porosity and hydration reaction of blended cement paste", *Construction and Building Materials*, Vol 89, 2015, pp 90-101, doi: DOI: 10.1016/j.conbuildmat.2015.04.030.

PENG Huayi

LAM, H F, #PENG, H and AU, S K , "Development of a practical algorithm for Bayesian model updating of a coupled slab system utilizing field test data", *Engineering Structures*, Vol 79, 15 November 2014, pp 182-194, doi: 10.1016/j.engstruct.2014.08.014.

ROCCHI Irene

#ROCCHI, I and COOP, M R , "The effects of weathering on the physical and mechanical properties of a granitic saprolite", *Geotechnique*, 65(6), 1 June 2015, pp 482-493.

SHI Wenxi

#SHI, W, JI, J, SUN, J, LO, S M, LI, L J and YUAN, X Y , "Influence of fire power and window position on smoke movement mechanisms and temperature distribution in an emergency staircase", *Energy and Buildings*, Vol 79, August 2014, pp 132-142, doi: 10.1016/j.enbuild.2014.02.083.

SHI Yongqian

#YUAN, B, SHENG, H, MU, X, SONG, L, TAI, Q, #SHI, Y, LIEW, K M and HU, Y , "Enhanced flame retardancy of polypropylene by melamine-modified graphene oxide", *Journal of Materials Science*, Vol 50, May 2015, pp 5389-5401, doi: 10.1007/s10853-015-9083-0.

#SHI, Y, ZHU, Y, #YU, B, GUI, Z, SHE, S, YUEN, K K R, LIU, H and HU, Y , "Enhanced thermal stability of polystyrene by graphitic carbon nitride/spinel ZnCo₂O₄ nanohybrids and the catalytic mechanism investigation", *RSC Advances*, 5(52), 2015, pp 41835-41838, doi: 10.1039/c5ra02787j.

Section A: Publications of PhD Students

#SHI, Y, #YU, B, ZHOU, K, YUEN, K K R, GUI, Z, HU, Y and JIANG, S , "Novel CuCo₂O₄/graphitic carbon nitride nanohybrids: Highly effective catalysts for reducing CO generation and fire hazards of thermoplastic polyurethane nanocomposites", *Journal of Hazardous Materials*, Vol 293, 21 March 2015, pp 87-96, doi: 10.1016/j.jhazmat.2015.03.041.

SUN Ligang

#SUN, L, HE, X Q, ZHU, L and LU, J , "Two softening stages in nanotwinned Cu", *Philosophical Magazine*, 94(35), 12 December 2014, pp 4037-4052, doi: 10.1080/14786435.2014.977368.

TAM Lik Ho

#TAM, L and LAU, D , "A molecular dynamics investigation on the cross-linking and physical properties of epoxy-based materials", *RSC Advances*, 4(62), 2014, pp 33074-33081, doi: 10.1039/c4ra04298k.

#ZHOU, A, #TAM, L, #YU, Z and LAU, D , "Effect of moisture on the mechanical properties of CFRP–wood composite: An experimental and atomistic investigation", *Composites Part B-Engineering*, Vol 71, 15 March 2015, pp 63-73, doi: 10.1016/j.compositesb.2014.10.051.

#TAM, L and LAU, D , "Moisture effect on the mechanical and interfacial properties of epoxy-bonded material system: An atomistic and experimental investigation", *Polymer*, Vol 57, 2015, pp 132-142, doi: <http://dx.doi.org/10.1016/j.polymer.2014.12.026>.

TONG Lihong

#TONG, L, LIM, C W and LI, Y C , "Generation of High-Intensity Focused Ultrasound by Carbon Nanotube Opto-Acoustic Lens", *Journal of Applied Mechanics-Transactions of the ASME*, 81(8), August 2014, p 081014, doi: 10.1115/1.4027752.

TSE Ka Kui

#TSE, K K and CHOW, T T , "Dynamic model and experimental validation of an indirect thermosyphon solar water heater coupled with a parallel circular tube rings type heat exchange coil", *Solar Energy*, Vol 114, 2015, pp 114-133.

WANG Jianfei

#WANG, J and LIEW, K M , "An accurate improved complex variable element-free method for numerical solutions of elastodynamic problems", *Engineering Analysis with Boundary Elements*, Vol 50, January 2015, pp 304-312, doi: 10.1016/j.enganabound.2014.09.005.

#WANG, J and LIEW, K M , "On the study of elastic properties of CNT-reinforced composites based on element-free MLS method with nanoscale cylindrical representative volume element", *Composite Structures*, Vol 124, June 2015, pp 1-9, doi: 10.1016/j.compstruct.2015.01.006.

WANG Jinliang

#WANG, J J and CHOW, T T , "Influence of human movement on the transport of airborne infectious particles in hospital", *Journal of Building Performance Simulation*, 8(4), 2015, pp 205-215.

WANG Weili

LIU, S, LO, S M, TSUI, K L and #WANG, W , "Modeling Movement Direction Choice and Collision Avoidance in Agent-Based Model for Pedestrian Flow", *JOURNAL OF TRANSPORTATION ENGINEERING*, 141(6), June 2015, p 04015001, doi: 10.1061/(ASCE)TE.1943-5436.0000762.

WANG Yu

#WANG, Y, WANG, Q, SUN, J, HE, L and LIEW, K M , "Effects of fixing point positions on thermal response of four point-supported glass facades", *Construction and Building Materials*, Vol 73, 30 December 2014, pp 235-246, doi: 10.1016/j.conbuildmat.2014.09.085.

Section A: Publications of PhD Students

- WEI Youyi** WU, Y, #YUN, Y, #WEI, Y and ZHOU, Y, "Effect of Predamage on the Stress-Strain Relationship of Confined Concrete under Monotonic Loading", *JOURNAL OF STRUCTURAL ENGINEERING*, 140(12), December 2014, p 04014093, doi: 10.1061/(ASCE)ST.1943-541X.0001015.
- WU Weiqin** #WU, W and LIN, J Z, "An experimental study of the influence of a walking occupant on three air distribution methods", *Building and Environment*, Vol 85, February 2015, pp 211-219, doi: 10.1016/j.buildenv.2014.12.009.
- #WU, W and LIN, J Z, "Experimental study of the influence of a moving manikin on temperature profile and carbon dioxide distribution under three air distribution methods", *Building and Environment*, Vol 87, May 2015, pp 142-153, doi: 10.1016/j.buildenv.2015.01.027.
- YANG Jiahua** #YANG, J, LAM, H F and #HU, J, "Ambient vibration test, modal identification and structural model updating following Bayesian framework", *International Journal of Structural Stability and Dynamics*, 15(7), Summer 2015, pp 1540026-1-1540026-16, doi: 10.1142/S021945541540026X.
- LAM, H F and #YANG, J, "Bayesian structural damage detection of steel towers using measured modal parameters", *Earthquakes and Structures*, 8(4), April 2015, pp 935-956.
- YU Bin** #SHI, Y, ZHU, Y, #YU, B, GUI, Z, SHE, S, YUEN, K K R, LIU, H and HU, Y, "Enhanced thermal stability of polystyrene by graphitic carbon nitride/spinel ZnCo₂O₄ nanohybrids and the catalytic mechanism investigation", *RSC Advances*, 5(52), 2015, pp 41835-41838, doi: 10.1039/c5ra02787j.
- #SHI, Y, #YU, B, ZHOU, K, YUEN, K K R, GUI, Z, HU, Y and JIANG, S, "Novel CuCo₂O₄/graphitic carbon nitride nanohybrids: Highly effective catalysts for reducing CO generation and fire hazards of thermoplastic polyurethane nanocomposites", *Journal of Hazardous Materials*, Vol 293, 21 March 2015, pp 87-96, doi: 10.1016/j.jhazmat.2015.03.041.
- YU Zechuan** #YU, Z and LAU, D, "Development of a coarse-grained α -chitin model on the basis of MARTINI forcefield", *Journal of Molecular Modeling*, 21(128), 2015, pp 1-9, doi: 10.1007/s00894-015-2670-9.
- #ZHOU, A, #TAM, L, #YU, Z and LAU, D, "Effect of moisture on the mechanical properties of CFRP-wood composite: An experimental and atomistic investigation", *Composites Part B-Engineering*, Vol 71, 15 March 2015, pp 63-73, doi: doi:10.1016/j.compositesb.2014.10.051.
- #YU, Z and LAU, D, "Nano- and mesoscale modeling of cement matrix", *Nanoscale Research Letters*, Vol 10, 2015, p 173.
- YUAN Bihe** #JIANG, S, GUI, Z, SHI, Y, ZHOU, K, #YUAN, B, BAO, C, LO, S M and HU, Y, "Bismuth subcarbonate nanoplates for thermal stability, fire retardancy and smoke suppression applications in polymers: A new strategy", *Polymer Degradation and Stability*, Vol 107, September 2014, pp 1-9, doi: 10.1016/j.polymdegradstab.2014.04.027.
- #YUAN, B, SHENG, H, MU, X, SONG, L, TAI, Q, #SHI, Y, LIEW, K M and HU, Y, "Enhanced flame retardancy of polypropylene by melamine-modified graphene oxide", *Journal of Materials Science*, Vol 50, May 2015, pp 5389-5401, doi: 10.1007/s10853-015-9083-0.

Section A: Publications of PhD Students

#YUAN, B, SONG, L, LIEW, K M and HU, Y , "Solid acid-reduced graphene oxide nanohybrid for enhancing thermal stability, mechanical property and flame retardancy of polypropylene", *RSC Advances*, 5(51), May 2015, pp 41307-41316, doi: 10.1039/c5ra04699h'File' Attachments: internal-pdf://1064080859/c5ra04699h.pdf.

YUEN Ka Kui

#YUEN, K K, LEE, E W M and LAM, W W H , "An intelligence-based route choice model for pedestrian flow in a transportation station", *Applied Soft Computing*, Vol 24, 2014, pp 31-39.

CHAN, R W K, #YUEN, K K, LEE, E W M and ARASHPOUR, M , "Application of Nonlinear-Autoregressive-Exogenous model to predict the hysteretic behaviour of passive control systems", *Engineering Structures*, Vol 85, 2015, pp 1-10.

LAM, H T J, #YUEN, K K, LEE, E W M and LEE, Y Y , "Experimental study on upward movement in a high-rise building", *Safety Science*, Vol 70, 2014, pp 397-405.

YUN Yanchun

WU, Y, #YUN, Y, #WEI, Y and ZHOU, Y , "Effect of Predamage on the Stress-Strain Relationship of Confined Concrete under Monotonic Loading", *JOURNAL OF STRUCTURAL ENGINEERING*, 140(12), December 2014, p 04014093, doi: 10.1061/(ASCE)ST.1943-541X.0001015.

ZHANG Ge

LIM, C W, #ZHANG, G and REDDY, J N , "A higher-order nonlocal elasticity and strain gradient theory and its applications in wave propagation", *Journal of the Mechanics and Physics of Solids*, Vol 78, 1 May 2015, pp 298-313.

LIM, C W, ISLAM, M Z and #ZHANG, G , "A nonlocal finite element method for torsional statics and dynamics of circular nanostructures", *International Journal of Mechanical Sciences*, Vol 94-95, 1 May 2015, pp 232-243.

ZHANG Jiaqing

#ZHANG, J, LU, S, LI, C and YUEN, K K R , "Performance of overall heat transfer coefficient and exploring heat transfer through the ceiling vent of compartment fire in ship structures with A60 constructions", *SHIPS AND OFFSHORE STRUCTURES*, 10(3), 4 May 2015, pp 328-334, doi: 10.1080/17445302.2013.876166.

ZHANG Yang

#ZHANG, Y Z, ZHANG, L W, LIEW, K M and YU, J L , "Transient analysis of single-layered graphene sheet using the kp-Ritz method and nonlocal elasticity theory", *Applied Mathematics and Computation*, Vol 258, 1 May 2015, pp 489-501, doi: 10.1016/j.amc.2015.02.023.

ZHAO Budi

ZHOU, B, WANG, J J and #ZHAO, B , "Micromorphology characterization and reconstruction of sand particles using micro X-ray tomography and spherical harmonics", *Engineering Geology*, Vol 184, 14 January 2015, pp 126-137, doi: 10.1016/j.enggeo.2014.11.009.

ZHOU Ao

#ZHOU, A, #TAM, L, #YU, Z and LAU, D , "Effect of moisture on the mechanical properties of CFRP–wood composite: An experimental and atomistic investigation", *Composites Part B-Engineering*, Vol 71, 15 March 2015, pp 63-73, doi: doi:10.1016/j.compositesb.2014.10.051.

#ZHOU, A, WONG, K W and LAU, D , "Thermal insulating concrete wall panel design for sustainable built environment", *Scientific World Journal*, Vol 2014, 2014, p 279592.

Section A: Publications of PhD Students

Conference papers

CHEN Juan

MA, J, #CHEN, J, LIU, B and SHEN, Y , "Bottleneck Identification Methods of Modern Tram Evacuation Considering the Effect of Obstacles", *3rd Annual International Conference on Architecture and Civil Engineering (ACE 2015) (13 - 14 April 2015)*, Singapore, 13-14 April 2015, pp 492-497.

LIU, B, #CHEN, J, MA, J, WANG, X and SHEN, Y , "Modeling and Analysis of Modern Tram Evacuation Considering the Effect of Obstacles", *Proceeding of the 1st International Conference on Rail Development and Management for Sustainable Urbanism*, Hong Kong, PRC, 11-12 December 2014.

CHENG Yong

#CHENG, Y, LIN, J Z, #YAO, T and #WU, W , "Numerical comparison of indoor air quality and local thermal comfort in a classroom with three ventilation methods", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 68-75.

#CHENG, Y, LIN, J Z, #WU, W and #YAO, T , "Performance evaluation of stratum ventilation with slot diffuser using CFD", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 470-477.

FU Libi

#FU, L, SONG, W, LV, W and LO, S M , "Simulation of Exit Selection Behavior Using Least Effort Algorithm", *Transportation Research Procedia*, Vol 2, Netherlands, 22-24 October 2014, pp 533-540.

HUANG Pei

#HUANG, P , "Sizing HVAC system under uncertainty using multi-attribute rating technique", *2nd International Conference on Sustainable Urbanization 2015*, Research Institute for Sustainable Urban Development (RISUD) & Faculty of Construction and Environment (FCE) The Hong Kong Polytechnic University, Hong Kong, Hong Kong, PRC, 7-9 January 2015, p 310.

#HUANG, P , "Uncertainty analysis of peak cooling load calculation at the design stage of HVAC system (设计阶段空调冷负荷不确定性分析)", *19th annual conference of China heating, ventilation and air-conditioning 2014*, Tianjin, PRC, 27-30 October 2014, p 32-002.

#HUANG, P , "Uncertainty analysis of peak cooling load calculation for HVAC system design", *The 13th International Conference on Indoor Air Quality and Climate*, The University of Hong Kong, Hong Kong, Hong Kong, PRC, 7-12 July 2014.

JIANG Cheng

WU, Y and #JIANG, C , "Analytical identification of bond parameters for EB-FRP joints", *7th International Conference on FRP Composites in Civil Engineering, CICE 2014*, IIFC, Vancouver, Canada, 20-22 August 2014, p 40.

WU, Y and #JIANG, C , "Stress-strain model for eccentrically loaded FRPconfined concrete columns", *7th International Conference on FRP Composites in Civil Engineering, CICE 2014*, IIFC, Vancouver, Canada, 20-22 August 2014, p 043.

LIANG Qi

LEUNG, M Y and #LIANG, Q , "Applying the value index to identify the best care and attention homes for the elderly", *Discover Hidden Values*, Joint HKIVM-SAVE International Conference, Hong Kong, Hong Kong, PRC, 8-9 May 2015, pp 78-84.

Section A: Publications of PhD Students

- LIAO Yundan** #LIAO, Y W, HUANG, G and SUN, Y , "Uncertainty Impacts on Reliability and Energy-efficiency of Chiller Sequencing Control", *The 13th International Conference on Indoor Air Quality and Climate*, The University of Hong Kong, Hong Kong, Hong Kong, PRC, 7-12 July 2014.
- LIU Su** #LIU, S and WANG, J J , "Exploring the influence of boundary condition on interface shear test on uncrushable sands", *IS-Cambridge 2014*, United Kingdom, 1-3 September 2014.
- LONG Hui** CHOW, T T, #LONG, H and #LU, Y , "Innovative solar facades for low-energy building application", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, Hong Kong, PRC, 7-12 July 2014, pp 313-315.
- LYU Yuanli** CHOW, T T, #LONG, H and #LU, Y , "Innovative solar facades for low-energy building application", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, Hong Kong, PRC, 7-12 July 2014, pp 313-315.
- PENG Huayi** LAM, H F, #PENG, H and AU, S K , "Bayesian Structural Model Updating and Its Experimental Verification by Field Test Data", *the First International Conference on Infrastructure Failures and Consequences*, RMIT University, Melbourne, Australia, 16-20 July 2014.
- LAM, H F, #PENG, H and AU, S K , "Structural Model Updating of a Steel Truss Structure Utilizing Ambient Vibration Measurement", *the Second International Conference on Vulnerability and Risk Analysis and Management (ICVRAM2014) & Sixth International Symposium on Uncertainty Modelling and Analysis (ISUMA2014)*, University of Liverpool, Liverpool, United Kingdom, 13-16 July 2014.
- QIU Qiwen** #QIU, Q and LAU, D , "Experimental evaluation on the effectiveness of acoustic-laser technique towards the FRP-bonded concrete system", *SPIE Proceedings*, USA, 1 April 2015.
- SHI Yongqian** #SHI, Y, GUI, Z, YUEN, K K R and HU, Y , "Novel CuCo₂O₄/Graphitic Carbon Nitride Nanohybrids for Toxic Gas Release Suppression of Thermoplastic Polyurethane Nanocomposites", *Proceedings: 15th European Meeting on Fire Retardancy and Protection of Materials*, BAM Federal Institute for Materials Research and Testing, Berlin, Germany, 21-25 June 2015.
- TAM Lik Ho** #TAM, L and LAU, D , "Molecular simulation of adhesion property recovery in the cellulose/phenolic adhesive interface : the role of water molecules", *2015 MRS Spring Meeting*, San Francisco, USA, 6-10 April 2015.
- WEI Youyi** WU, Y and #WEI, Y , "Stress-strain relationship of FRP repaired concrete", *7th International Conference on FRP Composites in Civil Engineering, CICE 2014*, IIFC, Vancouver, Canada, 20-22 August 2014, p 042.
- WU Weiqin** #WU, W and LIN, J Z , "Influence of a moving manikin under stratum ventilation", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 485-491.
- #CHENG, Y, LIN, J Z, #YAO, T and #WU, W , "Numerical comparison of indoor air quality and local thermal comfort in a classroom with three ventilation methods", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 68-75.

Section A: Publications of PhD Students

#CHENG, Y, LIN, J Z, #WU, W and #YAO, T , "Performance evaluation of stratum ventilation with slot diffuser using CFD", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 470-477.

YAO Ting

#CHENG, Y, LIN, J Z, #YAO, T and #WU, W , "Numerical comparison of indoor air quality and local thermal comfort in a classroom with three ventilation methods", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 68-75.

#YAO, T and LIN, J Z , "Numerical study of feasibility of fabric diffuser for stratum ventilation", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 500-507.

#CHENG, Y, LIN, J Z, #WU, W and #YAO, T , "Performance evaluation of stratum ventilation with slot diffuser using CFD", *13th International Conference on Indoor Air Quality and Climate, Indoor Air 2014*, Hong Kong, PRC, 7-12 July 2014, pp 470-477.

YU Zechuan

LAU, D, #YU, Z and BUYUKOZTURK, O , "Mesoscale modeling of cement matrix using the concept of building block", *2014 MRS Fall Meeting*, Boston, USA, 30 November - 5 December 2014.

#YU, Z and LAU, D , "Molecular Mechanics of Chitin-Protein Interface", *7th World Congress of Biomechanics*, Boston, USA, 6-11 July 2014.

LAU, D and #YU, Z Z , "Nano and mesoscale modeling of cement matrix", *ICSS Workshop on Micro/Nano-Mechanics*, Hong Kong, Hong Kong, PRC, 8-11 December 2014.

ZHAO Budi

#ZHAO, B, WANG, J J and COOP, M R , "Investigation of the fracture behaviour of individual LBS particle using Nanofocus X-ray CT", *IS-Cambridge 2014*, United Kingdom, 1-3 September 2014.

ZHAO Tengfei

CHOW, T T, FONG, S K F, #ZHAO, T and CHAN, A L S , "EFFECTIVENESS OF GREEN ROOF AS THERMAL BARRIER FOR AIR-CONDITIONED OFFICES IN HONG KONG", *Proceedings of Indoor Air 2014*, International Society for Indoor Air Quality and Climate (ISIAQ), Hosted by The University of Hong Kong, Hong Kong, Hong Kong, PRC, 7-12 July 2014, (Paper ID: HP1446).

ZHOU Ao

#ZHOU, A and LAU, D , "Defect criticality of FRP-bonded concrete systems", *The 2nd International Conference on Sustainable Urbanization*, Hong Kong, PRC, 7-9 January 2015.

ZHOU Pei

HUANG, G, #ZHOU, P and ZHANG, L , "Optimal Location of Wireless Temperature Sensor Nodes in Large-scale Rooms", *Indoor Air 2014*, Hong Kong University, Hong Kong, Hong Kong, PRC, 12-14 July 2014.

All other outputs

AN Weiguang

#AN, W , *Investigation of Combustion and Flame Spread Behaviors of PS Insulation Materials Applying to Building Exterior Wall*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 22 June 2015.

Section A: Publications of PhD Students

- BAI Zhiman** #BAI, Z , *Synthesis of Novel Organophosphorus Compounds and Investigation on Flame Retardancy and Mechanism for Unsaturated Polyester Resin*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- CHEN Xiao** #CHEN, X , *Investigation of Horizontal Vent flow Behavior Induced by Fire in a Ceiling Vented Enclosure*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 22 June 2015.
- GANEGAMA BOGODAGE Sakura** #GANEGAMA BOGODAGE, S , *Improvement of Cyclone Separators to Reduce Air Pollution by Experiments and Simulations*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 17 April 2015.
- HUANG Kai** #HUANG, K , *Bayesian Inverse Analysis in Geotechnical Site Characterization*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 29 August 2014.
- HUO Feizhou** #HUO, F , *Experimental and Modeling Studies of Pedestrian Evacuation on Stair Regions of Building*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 22 June 2015.
- JIANG Saihua** #JIANG, S , *Design, Preparation and Property Studies of Novel Transparent Flame-retardant Polymethyl Methacrylate*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- LI Guohui** #LI, G , *Spatial and Temporal Evolution and Risk Analysis of Global Terrorist Attacks*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- LIANG Canjun** #LIANG, C , *Study on Effects of Ambient Pressure on Flame Spread over Solid Combustibles*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- LIU Huazhong** #LIU, H , *Investigation of Molecular Adsorption on TiO₂ Surfaces Based on the First-principles Theory*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 16 July 2014.
- LONG Hui** #LONG, H , *Performance Evaluations of Façade Integrated Heat Pipe Systems*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 19 June 2015.
- PAN Haifeng** #PAN, H , *Design and Construction of Flame Retardant Layer by Layer Coatings on Typical 2D Cotton Fabric and 3D Flexible Polyurethane Foam and Study on Their Properties and Mechanism*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 22 June 2015.
- QIAN Xiaodong** #QIAN, X , *Synthesis of A Dopa-Based Phosphorus- And Silicon-Containing Flame Retardant and Its Flame Retardant Application in Epoxy And Polyurea Resins*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.

Section A: Publications of PhD Students

- RAHID Abu Sufian Md. Zia Hasan** #RAHID, A S M Z H , *Multi-level Residue Harmonic Balance Analysis for Nonlinear Multi-mode Beam Vibrations*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 9 June 2015.
- ROCCHI Irene** #ROCCHI, I , *An Experimental Investigation of the Influence of Weathering on Saprolitic Soils from Hong Kong*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 12 September 2014.
- SHAN Xueying** #SHAN, X , *Investigation on Preparation, Thermal Property and Flame Retardancy of Poly (lactic acid) / Nickel-containing Compounds Nanocomposites*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- SHI Wenxi** #SHI, W , *Studies on Fire Behaviors and Smoke Movement in Staircase and Adjacent Compartment of High-rise Buildings*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- TONG Lihong** #TONG, L , *Theoretical Study and Numerical Analysis on Thermo- and Opto-Acoustic Characteristics and Mirage Effect of Carbon Nanotube Thin-Films*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 27 May 2015.
- WANG Lei** #WANG, L , *Preparation of Ethylene-Vinyl Acetate Copolymer/ Iron-Containing Oxide Composites and Study of Their Fire Safety*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- WANG Weili** #WANG, W , *Modeling of Pedestrian Behavioral Dynamics in Complex Urban Settings and Built Environment*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 2 December 2014.
- YAN Bowen** #YAN, B , *CFD Modelling of Atmospheric Boundary Layer Flow and Wind Effects on High-rise Structures and Tall Buildings*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 27 October 2014.
- YAO Ting** #YAO, T , *Effect of Air Terminals on the Air Distribution of Stratum Ventilation*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 21 November 2014.
- YI Jun** #YI, J , *Field Measurement and Wind Tunnel Study of Wind Effects on Super-tall Buildings*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 3 December 2014.
- ZHANG Jiaqing** #ZHANG, J , *Fire Dynamics in Ship Enclosures Considering the Effects of Ceiling Vent and Fire Locations*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- ZHOU Zhihui** #ZHOU, Z , *Effects of Low Ambient Pressure on Pool Fire Behavior and Plume Characteristics*, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.

DEPARTMENT OF BIOLOGY AND CHEMISTRY

Scholarly books, monographs and chapters

HU Menghong

#HU, M H, #KWAN, K Y B, #WANG, Y, #CHEUNG, S G and #SHIN, P K S, "Population structure and growth of juvenile horseshoe crabs *Tachypleus tridentatus* and *Carcinoscorpius rotundicauda* (Xiphosura) in Southern China", *Changing Global Perspectives on Horseshoe Crab Biology, Conservation and Management*, Carmihcael, R.H., Botton, M.L. and Shin, P.K.S. et al. (eds), Springer, USA, 2015, Chapter 8.

KWAN Kit Yue

#HU, M H, #KWAN, K Y B, #WANG, Y, #CHEUNG, S G and #SHIN, P K S, "Population structure and growth of juvenile horseshoe crabs *Tachypleus tridentatus* and *Carcinoscorpius rotundicauda* (Xiphosura) in Southern China", *Changing Global Perspectives on Horseshoe Crab Biology, Conservation and Management*, Carmihcael, R.H., Botton, M.L. and Shin, P.K.S. et al. (eds), Springer, USA, 2015, Chapter 8.

#KWAN, K Y B, #SHIN, P K S and #CHEUNG, S G, "Preliminary home range study of juvenile Chinese horseshoe crabs, *Tachypleus tridentatus* (Xiphosura), using passive tracking methods", *Changing Global Perspectives on Horseshoe Crab Biology, Conservation and Management*, Carmihcael, R.H., Botton, M.L. and Shin, P.K.S. et al. (eds), Springer, USA, 2015, Chapter 7.

WANG Youji

#HU, M H, #KWAN, K Y B, #WANG, Y, #CHEUNG, S G and #SHIN, P K S, "Population structure and growth of juvenile horseshoe crabs *Tachypleus tridentatus* and *Carcinoscorpius rotundicauda* (Xiphosura) in Southern China", *Changing Global Perspectives on Horseshoe Crab Biology, Conservation and Management*, Carmihcael, R.H., Botton, M.L. and Shin, P.K.S. et al. (eds), Springer, USA, 2015, Chapter 8.

Journal publications

AI Fujin

#AI, F, #JU, Q, #ZHANG, X, #CHEN, X, #WANG, F and #ZHU, G, "A core-shell-shell nanoplatform upconverting near-infrared light at 808 nm for luminescence imaging and photodynamic therapy of cancer", *Scientific Reports*, Vol 5, 2 June 2015, pp 10785-1-10785-11.

#WANG, B, #WANG, Z, #AI, F, #TANG, W K and #ZHU, G, "A monofunctional platinum(II)-based anticancer agent from a salicylanilide derivative: Synthesis, antiproliferative activity, and transcription inhibition", *Journal of Inorganic Biochemistry*, Vol 142, 2015, pp 118-125, doi: 10.1016/j.jinorgbio.2014.10.003.

#JU, Q, #CHEN, X, #AI, F, #PENG, D, #LIN, X, #KONG, W, #SHI, P, #ZHU, G and #WANG, F, "An upconversion nanoprobe operating in the first biological window", *JOURNAL OF MATERIALS CHEMISTRY B*, Vol 3, 19 March 2015, pp 3548-3555, doi: 10.1039/c5tb00025d.

#WANG, Z, #AI, F, #WANG, Z, #ZHAO, W, #ZHU, G, #LIN, Z and #SUN, J, "Organocatalytic asymmetric synthesis of 1,1-diarylethanes by transfer hydrogenation", *Journal of the American Chemical Society*, 137(1), 2015, pp 383-389, doi: 10.1021/ja510980d.

CHAN Kin Cheung

#CHAN, K C P, #CHU, W K, #YIU, S M and #KO, C C, "Synthesis, characterization, photophysics and electrochemical study of luminescent iridium(III) complexes with isocyanoborate ligands", *Dalton Transactions*, Vol 44, 20 April 2015, pp 15135-15144.

CHAN Miu Shan

#DAI, Z, #TAM, D Y K, #XU, H, #CHAN, M S, #LIU, L S, #BOLZE, F, #SUN, X H and #LO, P K P, "Conformational Change of Self-Assembled DNA Nanotubes Induced by Two-Photon Excitation", *Small*, 26 May 2015, doi: 10.1002/smll.201500333.

Section A: Publications of PhD Students

#CHAN, M S, XU, D, GUO, L, TAM, D Y K, LIU, L S, CHEN, Y, WONG, M S and LO, P K P, "Cyanine Fluorophore for Cellular Protection against ROS in Stimulated Macrophages and Two-Photon ROS Detection", *Organic & Biomolecular Chemistry*, Vol 13, 22 May 2015, pp 7307-7312, doi: 10.1039/C5OB00643K.

GUO, L, #CHAN, M S, XU, D, TAM, D Y K, BOLZE, F, LO, P K P and WONG, M S, "Indole-based Cyanine as a Nuclear RNA-Selective Two-Photon Fluorescent Probe for Live Cell Imaging", *ACS Chemical Biology*, 10(5), May 2015, pp 1171-1175, doi: 10.1021/cb500927r.

CHAN Siu Chung

#CHAN, S C, ENGLAND, J, WIEGHARDT, K and WONG, C Y, "Trapping of the putative 1,2-dinitrosoarene intermediate of benzofuroxan tautomerization by coordination at ruthenium and exploration of its redox non-innocence", *Chemical Science*, 5(10), 2014, pp 3883-3887, doi: 10.1039/c4sc01185f.

CHEN Ganchao

#ZHANG, H, #XIE, Y, #WANG, P, #CHEN, G, LIU, R, LAM, Y, HU, Y, ZHU, Q and SUN, H, "An iminocoumarin benzothiazole-based fluorescent probe for imaging hydrogen sulfide in living cells", *Talanta*, Vol 135, 1 June 2015, pp 149-154, doi: 10.1016/j.talanta.2014.12.044.

CHEN Gui

CHEN, L, #CHEN, G, LEUNG, C F, YIU, S M, KO, C C, ANXOLABEHERE-MALLART, E, ROBERT, M and LAU, T C, "Dual Homogeneous and Heterogeneous Pathways in Photo- and Electrocatalytic Hydrogen Evolution with Nickel(II) Catalysts Bearing Tetradentate Macrocyclic Ligands", *ACS CATALYSIS*, 5(1), January 2015, pp 356-364, doi: 10.1021/cs501534h.

XIANG, Q, #CHEN, G and LAU, T C, "Effects of morphology and exposed facets of α -Fe₂O₃ nanocrystals on photocatalytic water oxidation", *RSC Advances*, 5(64), 3 June 2015, pp 55210-55216, doi: 10.1039/C5RA09354F.

CHEUNG Ho Yuen

#FANG, M, LIN, H, #CHEUNG, H Y, #YIP, S P, #XIU, F, WONG, C Y and HO, J C Y, "Optical Nanoscale Patterning through Surface-Textured Polymer Films", *Advanced Optical Materials*, Vol 2, September 2014, pp 855-860.

CHEUNG Wai Yi, Apple

KO, C C, #CHEUNG, W Y A and YIU, S M, "Synthesis, photophysical and electrochemical study of diisocyano-bridged homodinuclear rhenium(I) diimine complexes", *Polyhedron*, Vol 86, 28 January 2015, pp 17-23, doi: 10.1016/j.poly.2014.04.004.

CHOI Wing Tat

ZHANG, K Y, LIU, H, TANG, M C, #CHOI, W T, ZHU, N, WEI, X, LAU, K C and LO, K W K, "Dual-Emissive Cyclometalated Iridium(III) Polypyridine Complexes as Ratiometric Biological Probes and Organelle-Selective Bioimaging Reagents", *Inorganic Chemistry*, Vol 54, 18 June 2015, pp 6582-6593, doi: 10.1021/acs.inorgchem.5b00944.

#CHOI, W T, YIM, M W, LIU, H and LO, K K W, "Rhenium(I) Polypyridine Diamine Complexes as Intracellular Phosphorogenic Sensors: Synthesis, Characterization, Emissive Behavior, Biological Properties, and Nitric Oxide Sensing", *Chemistry - A European Journal*, 20(31), 1 July 2014, pp 9633-9642, doi: 10.1002/chem.201402502.

#CHOI, W T, LIU, H and LO, K W K, "Rhenium(I) polypyridine dibenzocyclooctyne complexes as phosphorescent bioorthogonal probes: Synthesis, characterization, emissive behavior, and biolabeling properties", *Journal of Inorganic Biochemistry*, Vol 148, 4 March 2015, pp 2-10, doi: dx.doi.org/10.1016/j.jinorgbio.2015.02.018.

Section A: Publications of PhD Students

- CHU Feifei** #CHU, F, SHEN, X, LAM, K S P and ZENG, R J, "Optimization of CO₂ concentration and light intensity for biodiesel production by *Chlorella vulgaris* FACHB-1072 under nitrogen deficiency with phosphorus luxury uptake", *Journal of Applied Phycology*, 26(4), August 2014, pp 1631-1638, doi: 10.1007/s10811-013-0200-7.
- CHU Wing Kin** #CHU, W K, YIU, S M and KO, C C, "Neutral Luminescent Bis(bipyridyl) Osmium(II) Complexes with Improved Phosphorescent Properties", *Organometallics*, 33(23), 8 December 2014, pp 6771-6777, doi: 10.1021/om500630c.
- #CHU, W K, #WEL, X, YIU, S M, KO, C C and LAU, K C, "Strongly Phosphorescent Neutral Rhenium(I) Isocyanoborato Complexes: Synthesis, Characterization, and Photophysical, Electrochemical, and Computational Studies", *Chemistry - A European Journal*, 21(6), 2 February 2015, pp 2603-2612, doi: 10.1002/chem.201405291.
- #CHAN, K C P, #CHU, W K, YIU, S M and KO, C C, "Synthesis, characterization, photophysics and electrochemical study of luminescent iridium(III) complexes with isocyanoborate ligands", *Dalton Transactions*, Vol 44, 20 April 2015, pp 15135-15144.
- CHUNG Lai Hon** WONG, C Y, #CHUNG, L H, LIN, S, CHAN, D S, LEUNG, C and MA, D, "A Ruthenium(II) Complex Supported by Trithiacyclononane and Aromatic Diimine Ligand as Luminescent Switch-On Probe for Biomolecule Detection and Protein Staining", *Scientific Reports*, Vol 4, 20 November 2014, p 7136, doi: 10.1038/srep07136.
- WONG, C Y, #CHUNG, L H, LU, L, WANG, M, HE, B, LIU, L, LEUNG, C and MA, D, "Dual Inhibition and Monitoring of Beta-Amyloid Fibrillation by a Luminescent Iridium(III) Complex", *Current Alzheimer Research*, 12(5), 2015, pp 439-444.
- YEUNG, C F, #CHUNG, L H, LO, H S, CHIU, C H, CAI, J and WONG, C Y, "Isolation of Ruthenium-Indoline and -Indole Zwitterion Complexes: Insight into the Metal-Induced Cyclization of Aniline-Tethered Alkynes and Strategy to Lower the Activation Barrier of Metal-Vinylidene Formation", *Organometallics*, 34(10), 25 May 2015, pp 1963-1968, doi: 10.1021/acs.organomet.5b00211.
- TSUI, W K, #CHUNG, L H, WONG, M K, TSANG, W H, LO, H S, LIU, Y, LEUNG, C -, MA, D -, CHIU, S K and WONG, C Y, "Luminescent Ruthenium(II) Complex Bearing Bipyridine and N-Heterocyclic Carbene-based CANAC Pincer Ligand for Live-Cell Imaging of Endocytosis", *Scientific Reports*, Vol 5, 2015, p 9070.
- #CHUNG, L H, YEUNG, C F, MA, D, LEUNG, C and WONG, C Y, "Metal-Indolizine Zwitterion Complexes as a New Class of Organometallic Material: a Spectroscopic and Theoretical Investigation", *Organometallics*, 33(13), 14 July 2014, pp 3443-3452, doi: 10.1021/om5003705.
- TSUI, W K, #CHUNG, L H, TSANG, W H, YEUNG, C F, CHIU, C H, LO, H S and WONG, C Y, "Synthesis, Spectroscopic and Theoretical Studies of Ruthenafuran and Osmafuran Prepared by Activation of Ynone in Alcohol", *Organometallics*, 34(6), 23 March 2015, pp 1005-1012, doi: 10.1021/acs.organomet.5b00009.
- CUI Jieshun** #LIU, J, #CUI, J, VILELA, F, HE, J, ZELLER, M, HUNTER, A D and XU, Z, "In situ production of silver nanoparticles on an aldehyde-equipped conjugated porous polymer and subsequent heterogeneous reduction of aromatic nitro groups at room temperature", *CHEMICAL COMMUNICATIONS*, Vol 51, 26 June 2015, pp 12197-12200, doi: 10.1039/C5CC04476F.

Section A: Publications of PhD Students

#CUI, J, #WONG, Y L W, ZELLER, M, HUNTER, A D and XU, Z, "Pd Uptake and H₂S Sensing by an Amphoteric Metal-Organic Framework with a Soft Core and Rigid Side Arms", *Angewandte Chemie-International Edition*, 53(52), 22 December 2014, pp 14438-14442, doi: 10.1002/anie.201408453.

DAI Ziwen

#DAI, Z, TAM, D Y K, XU, H, #CHAN, M S, LIU, L S, BOLZE, F, SUN, X H and LO, P K P, "Conformational Change of Self-Assembled DNA Nanotubes Induced by Two-Photon Excitation", *Small*, 26 May 2015, doi: 10.1002/smll.201500333.

DENG Dan

#DENG, D and TAM, N F Y, "Isolation of microalgae tolerant to polybrominated diphenyl ethers (PBDEs) from wastewater treatment plants and their removal ability", *BIORESOURCE TECHNOLOGY*, Vol 177, February 2015, pp 289-297, doi: 10.1016/j.biortech.2014.11.103.

#DENG, D, CHEN, H and TAM, N F Y, "Temporal and spatial contamination of polybrominated diphenyl ethers (PBDEs) in wastewater treatment plants in Hong Kong", *Science of the Total Environment*, Vol 502, 1 January 2015, pp 133-142, doi: 10.1016/j.scitotenv.2014.08.090.

FANG Ting

#ZHOU, C, LIU, G, #FANG, T and LAM, K S P, "Investigation on thermal and trace element characteristics during co-combustion biomass with coal gangue", *BIORESOURCE TECHNOLOGY*, Vol 175, January 2015, pp 454-462, doi: 10.1016/j.biortech.2014.10.129.

FENG Tianshi

#FENG, T, TIAN, H, XU, C, LIN, L, XIE, Z, LAM, H W M, LIANG, H and CHEN, X, "Synergistic co-delivery of doxorubicin and paclitaxel by porous PLGA microspheres for pulmonary inhalation treatment", *European Journal of Pharmaceutics and Biopharmaceutics*, 88(3), November 2014, pp 1086-1093, doi: 10.1016/j.ejpb.2014.09.012.

KWAN Kit Yue

#KWAN, K Y B, CHEUNG, S G and SHIN, P K S, "A dual stable isotope study for diet composition of juvenile Chinese horseshoe crab *Tachypleus tridentatus* (Xiphosura) on a seagrass-covered intertidal mudflat", *Marine Biology*, 162(5), 15 March 2015, pp 1137-1143, doi: 10.1007/s00227-015-2647-3.

#TSUI, M P M, LEUNG, H W, #KWAN, K Y B, NG, K Y, YAMASHITA, N, TANIYASU, S, LAM, K S P and MURPHY, M B, "Occurrence, distribution and ecological risk assessment of multiple classes of UV filters in marine sediments in Hong Kong and Japan", *Journal of Hazardous Materials*, Vol 292, 17 March 2015, pp 180-187, doi: 10.1016/j.jhazmat.2015.03.025.

LAI Lok Shun

WANG, Q, #LAI, L S, WANG, X, GUO, Y, LAM, K S P, LAM, J C and ZHOU, B, "Bioconcentration and Transfer of the Organophorous Flame Retardant 1,3-Dichloro-2-propyl Phosphate Causes Thyroid Endocrine Disruption and Developmental Neurotoxicity in Zebrafish Larvae", *Environmental Science & Technology*, 49(8), 21 April 2015, pp 5123-5132, doi: 10.1021/acs.est.5b00558.

WANG, Q, LAM, J C, MAN, Y C, #LAI, L S, KWOK, K Y, GUO, Y Y, LAM, K S P and ZHOU, B, "Bioconcentration, metabolism and neurotoxicity of the organophorous flame retardant 1,3-dichloro 2-propyl phosphate (TDCPP) to zebrafish", *Aquatic Toxicology*, Vol 158, January 2015, pp 108-115, doi: 10.1016/j.aquatox.2014.11.001.

Section A: Publications of PhD Students

- LAW Chung Kay Edwin** #LO, S W A, #LAW, C K E, LUI, Y Y M, WEI, X, LAU, K C, MA, C Y, MURPHY, M B and HORVATH, I T, "Development of sustainable fluororous chemistry: the synthesis and characterization of fluororous ethers with nonafluoro-*tert*-butoxy groups", *Organic Chemistry Frontiers*, Vol 1, 13 October 2014, pp 1180-1187.
- LEUNG Ho Wing** #TSUI, M P M, #LEUNG, H W, WAI, T C, YAMASHITA, N, TANIYASU, S, LIU, W, LAM, K S P and MURPHY, M B, "Occurrence, distribution and ecological risk assessment of multiple classes of UV filters in surface waters from different countries", *Water Research*, Vol 67, December 2014, pp 55-65.
- LI Chunhua** #LI, C, WONG, Y, WANG, H and TAM, N F Y, "Anaerobic biodegradation of PAHs in mangrove sediment with amendment of NaHCO₃", *Journal of Environmental Sciences-China*, Vol 30, 1 April 2015, pp 148-156, doi: 10.1016/j.jes.2014.09.028.
- LI Hui** #LI, H, XIAO, S, YAO, D, LAM, H W M and LIANG, H, "A smart DNA-gold nanoparticle probe for detecting single-base changes on the platform of a quartz crystal microbalance", *CHEMICAL COMMUNICATIONS*, 51(22), 2015, pp 4670-4673, doi: 10.1039/c4cc10114f.
- LI Luwei** #TSANG, C S, CHEN, L, #LI, L, YIU, S M, LAU, T C and KWONG, H L, "Metallosupramolecular Ni₂L₃ and Ni₄L₆ complexes of bis-bidentate pyridine-containing ligands: X-ray structures and catalytic proton reduction", *Dalton Transactions*, Vol 44, 5 June 2015, pp 13087-13092, doi: 10.1039/C5DT01706H.
- LIU Cham Chuen** #LIU, C C and CHAN, M C W, "Chelating σ -Aryl Post-Metallocenes: Probing Intramolecular [C-H \cdots F-C] Interactions and Unusual Reaction Pathways", *Accounts of Chemical Research*, 48(6), 20 May 2015, pp 1580-1590, doi: 10.1021/acs.accounts.5b00008.
- LIU Jie** #ZHA, M, #LIU, J, #WONG, Y L W and XU, Z, "Extraction of palladium from nuclear waste-like acidic solutions by a metal-organic framework with sulfur and alkene functions", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(7), 15 January 2015, pp 3928-3934, doi: 10.1039/c4ta06678b.
- #LIU, J, TOBIN, J M, XU, Z and VILELA, F, "Facile Synthesis of a Conjugated Microporous Polymeric Monolith via Copper-Free Sonogashira-Hagihara Cross-Coupling in Water under Aerobic Conditions", *POLYMER CHEMISTRY*, 2 June 2015, doi: 10.1039/C5PY00772K.
- #LIU, J, #CUI, J, VILELA, F, HE, J, ZELLER, M, HUNTER, A D and XU, Z, "In situ production of silver nanoparticles on an aldehyde-equipped conjugated porous polymer and subsequent heterogeneous reduction of aromatic nitro groups at room temperature", *CHEMICAL COMMUNICATIONS*, Vol 51, 26 June 2015, pp 12197-12200, doi: 10.1039/C5CC04476F.
- LIU Ronghua** #LIU, R, LI, W, SHENG, G, TONG, Z, LAM, H W M and YU, H, "Self-Driven Bioelectrochemical Mineralization of Azobenzene by Coupling Cathodic Reduction with Anodic Intermediate Oxidation", *Electrochimica Acta*, Vol 154, 1 February 2015, pp 294-299, doi: 10.1016/j.electacta.2014.12.063.
- LIU Yingying** #LIU, Y, NG, S M, YIU, S M, LAM, W W Y, WEI, X, LAU, K C and LAU, T C, "Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) qpy-*N,N'*-dioxide as the Real Catalysts", *Angewandte Chemie-International Edition*, 53(52), 22 December 2014, pp 14468-14471, doi: 10.1002/anie.201408795.

Section A: Publications of PhD Students

- LO See Wing, Angel** #[LO, S W A](#), #[LAW, C K E](#), [LUI, Y Y M](#), [WEI, X](#), [LAU, K C](#), [MA, C Y](#), [MURPHY, M B](#) and [HORVATH, I T](#), "Development of sustainable fluororous chemistry: the synthesis and characterization of fluororous ethers with nonafluoro-*tert*-butoxy groups", *Organic Chemistry Frontiers*, Vol 1, 13 October 2014, pp 1180-1187.
- LOUIE Man Wai** #[TANG, S M](#), [LEUNG, K K](#), #[LOUIE, M W](#), [LIU, H](#), [CHENG, S H](#) and [LO, K W K](#), "Phosphorescent biscyclometallated iridium(III) ethylenediamine complexes functionalised with polar ester or carboxylate groups as bioimaging and visualisation reagents", *Dalton Transactions*, 44(11), 2015, pp 4945-4956, doi: 10.1039/c4dt02890b.
- LYU Xianjin** [LIN, B](#), [LYU, J](#), #[LV, X](#), [YU, H Q](#), [HU, Z](#), [LAM, J C W](#) and [LAM, K S P](#), "Characterization of cefalexin degradation capabilities of two *Pseudomonas* strains isolated from activated sludge", *Journal of Hazardous Materials*, Vol 282, 23 January 2015, pp 158-164, doi: 10.1016/j.jhazmat.2014.06.080.
- #[LV, X](#), [LI, W W](#), [LAM, K S P](#) and [YU, H Q](#), "Insights into perfluorooctane sulfonate photodegradation in a catalyst-free aqueous solution", *Scientific Reports*, Vol 5, 23 March 2015, p 9353, doi: 10.1038/srep09353.
- MA Lili** [MA, R](#), #[WANG, Y](#), #[YAN, L](#), #[MA, L](#), #[WANG, Z](#), [CHAN, H C](#), [CHIU, S K](#), [CHEN, X F](#) and [ZHU, G](#), "Efficient co-delivery of a Pt(IV) prodrug and a p53 activator to enhance the anticancer activity of cisplatin", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 March 2015, pp 7859-7862.
- NUSRIN Suraia** [YU, R M K](#), [CHATURVEDI, G](#), [TONG, K H](#), #[NUSRIN, S](#), [GIESY, J P](#), [WU, R S S](#) and [KONG, Y C R](#), "Evidence for MicroRNA-Mediated Regulation of Steroidogenesis by Hypoxia", *Environmental Science & Technology*, 49(2), 20 January 2015, pp 1138-1147, doi: 10.1021/es504676s.
- #[NUSRIN, S](#), [TONG, K H](#), [CHATURVEDI, G](#), [WU, R S S](#), [GIESY, J P](#) and [KONG, Y C R](#), "Regulation of CYP11B1 and CYP11B2 steroidogenic genes by hypoxia-inducible miR-10b in H295R cells", *Marine Pollution Bulletin*, 85(2), 30 August 2014, pp 344-351, doi: 10.1016/j.marpolbul.2014.04.002.
- PAN Yi** [WANG, E](#), [SHAN, X](#), [SHEN, Z](#), [GONG, M](#), [TANG, Y](#), #[PAN, Y](#), [LAU, K C](#) and [CHEN, X](#), "Pathways for nonsequential and sequential fragmentation of CO₂³⁺ investigated by electron collision", *Physical Review A*, 91(5), 28 May 2015, p 052711, doi: 10.1103/PhysRevA.91.052711.
- [CHANG, Y C](#), [LUO, Z](#), #[PAN, Y](#), [ZHANG, Z](#), [SONG, Y](#), [KUANG, S Y](#), [YIN, Q Z](#), [LAU, K C](#) and [NG, C Y](#), "Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC⁺)", *Physical Chemistry Chemical Physics*, 17(15), 2015, pp 9780-9793, doi: 10.1039/c5cp00371g.
- [MAJDI, Y](#), [HOCHLAF, M](#), #[PAN, Y](#), [LAU, K C](#), [POISSON, L](#), [GARCIA, G A](#), [NAHON, L](#), [AL-MOGREN, M M](#) and [SCHWELL, M](#), "Theoretical and Experimental Photoelectron Spectroscopy Characterization of the Ground State of Thymine Cation", *Journal of Physical Chemistry A*, 119(23), 11 June 2015, pp 5951-5958, doi: 10.1021/jp510716c.
- #[PAN, Y](#), [LAU, K C](#), [AL-MOGREN, M M](#), [MAHJOUB, A](#) and [HOCHLAF, M](#), "Theoretical studies of 2-quinolinol: Geometries, vibrational frequencies, isomerization, tautomerism, and excited states", *Chemical Physics Letters*, Vol 613, 3 October 2014, pp 29-33, doi: 10.1016/j.cplett.2014.08.033.

Section A: Publications of PhD Students

HOCHLAF, M, #PAN, Y, LAU, K C, MAJDI, Y, POISSON, L, GARCIA, G A, NAHON, L, AL MOGREN, M M and SCHWELL, M , "Vibrationally Resolved Photoelectron Spectroscopy of Electronic Excited States of DNA Bases: Application to the A State of Thymine Cation", *Journal of Physical Chemistry A*, 119(7), 19 February 2015, pp 1146-1153, doi: 10.1021/acs.jpca.5b00466.

TAN Peng

#TAN, P, KWONG, H K and LAU, T C , "Catalytic oxidation of water and alcohols by a robust iron(III) complex bearing a cross-bridged cyclam ligand", *CHEMICAL COMMUNICATIONS*, 16 June 2015, doi: 10.1039/C5CC02868J.

TAN Yi

#ZHANG, H, LIU, R, #TAN, Y, XIE, H W, LEI, H, CHEUNG, H Y and HONGYAN, S , "A FRET - based Ratiometric Fluorescent Probe for Nitroxyl Detection in Living Cells", *ACS Applied Materials & Interfaces*, 7(9), 11 March 2015, pp 5438-5443, doi: 10.1021/am508987v.

TANG Siu Ming

#TANG, S M, YIP, M H, ZHANG, K Y, LIU, H, WU, P L, LI, K F, CHEAH, K W and LO, K W K , "Bioorthogonal Labeling, Bioimaging, and Photocytotoxicity Studies of Phosphorescent Ruthenium(II) Polypyridine Dibenzocyclooctyne Complexes", *Chemistry - A European Journal*, 19 June 2015, doi: 10.1002/chem.201501040.

#TANG, S M, LEUNG, K K, #LOUIE, M W, LIU, H, CHENG, S H and LO, K W K , "Phosphorescent biscyclometallated iridium(III) ethylenediamine complexes functionalised with polar ester or carboxylate groups as bioimaging and visualisation reagents", *Dalton Transactions*, 44(11), 2015, pp 4945-4956, doi: 10.1039/c4dt02890b.

TANG Wai Kit

HERBER, I, #TANG, W K, WONG, H Y S, LAM, T W, SIU, C K A and BEYER, M K , "Reactivity of Hydrated Monovalent First Row Transition Metal Ions [M(H₂O)(n)]⁽⁺⁾, M = Cr, Mn, Fe, Co, Ni, Cu, and Zn, n < 50, Toward Acetonitrile", *Journal of Physical Chemistry A*, 119(22), 2015, pp 5566-5578, doi: <http://dx.doi.org/10.1021/acs.jpca.5b02946>.

TSANG Chui Shan

#TSANG, C S, CHEN, L, #LI, L, YIU, S M, LAU, T C and KWONG, H L , "Metallosupramolecular Ni₂L₃ and Ni₄L₆ complexes of bis-bidentate pyridine-containing ligands: X-ray structures and catalytic proton reduction", *Dalton Transactions*, Vol 44, 5 June 2015, pp 13087-13092, doi: 10.1039/C5DT01706H.

#TSANG, C S, YEE, C C, YIU, S M, WONG, W and KWONG, H L , "Single-, double- and triple-stranded helical metal complexes of chiral tetradentate pyridyl-thiazole ligands: Stereoselective synthesis, spectroscopic properties and structural characterization", *Polyhedron*, Vol 83, 24 November 2014, pp 167-177, doi: 10.1016/j.poly.2014.05.062.

TSO Karson Ka Shun

LO, K W K and #TSO, K K S , "Functionalization of cyclometalated iridium(III) polypyridine complexes for the design of intracellular sensors, organelle-targeting imaging reagents, and metallodrugs", *INORGANIC CHEMISTRY FRONTIERS*, Vol 2, 8 April 2015, pp 510-524, doi: 10.1039/C5QI00002E.

, #TSO, K S K, YIM, M W, LIU, H and LO, K W K , "Modification of 1,2,4,5-tetrazine with cationic rhenium(I) polypyridine units to afford phosphorogenic bioorthogonal probes with enhanced reaction kinetics", *CHEMICAL COMMUNICATIONS*, 51(16), 2015, pp 3442-3445, doi: 10.1039/c4cc09532d.

Section A: Publications of PhD Students

- TSUI Mei Po Mirabelle** #TSUI, M P M, LEUNG, H W, #KWAN, K Y B, NG, K Y, YAMASHITA, N, TANIYASU, S, LAM, K S P and MURPHY, M B, "Occurrence, distribution and ecological risk assessment of multiple classes of UV filters in marine sediments in Hong Kong and Japan", *Journal of Hazardous Materials*, Vol 292, 17 March 2015, pp 180-187, doi: 10.1016/j.jhazmat.2015.03.025.
- #TSUI, M P M, #LEUNG, H W, WAI, T C, YAMASHITA, N, TANIYASU, S, LIU, W, LAM, K S P and MURPHY, M B, "Occurrence, distribution and ecological risk assessment of multiple classes of UV filters in surface waters from different countries", *Water Research*, Vol 67, December 2014, pp 55-65.
- WANG Ping** #ZHANG, M, #WANG, P, SUN, H and WANG, Z, "Superhydrophobic Surface with Hierarchical Architecture and Bimetallic Composition for Enhanced Antibacterial Activity", *ACS Applied Materials & Interfaces*, 6(24), 24 December 2014, pp 22108-22115, doi: 10.1021/am505490w.
- WANG Ping** #ZHANG, H, #XIE, Y, #WANG, P, #CHEN, G, LIU, R, LAM, Y, HU, Y, ZHU, Q and SUN, H, "An iminocoumarin benzothiazole-based fluorescent probe for imaging hydrogen sulfide in living cells", *Talanta*, Vol 135, 1 June 2015, pp 149-154, doi: 10.1016/j.talanta.2014.12.044.
- #WANG, P, NA, Z, FU, J, TAN, Y J C, #ZHANG, H, YAO, S Q and SUN, H, "Microarray immobilization of biomolecules using a fast *trans*-cyclooctene (TCO)-tetrazine reaction", *CHEMICAL COMMUNICATIONS*, 50(80), 14 July 2014, pp 11818-11821, doi: 10.1039/C4CC03838J.
- LUO, L, #WANG, P, LIN, L, LUAN, T, KE, L and TAM, N F Y, "Removal and transformation of high molecular weight polycyclic aromatic hydrocarbons in water by live and dead microalgae", *Process Biochemistry*, 49(10), October 2014, pp 1723-1732, doi: 10.1016/j.procbio.2014.06.026.
- WANG Qian** MA, L, #WANG, Q, MAN, W L, KWONG, H K, KO, C C and LAU, T C, "Cerium(IV)-Driven Water Oxidation Catalyzed by a Manganese(V)-Nitrido Complex", *Angewandte Chemie-International Edition*, 54(17), 20 April 2015, pp 5246-5249, doi: 10.1002/anie.201500507.
- #WANG, Q, MAN, W L, LAM, W W Y and LAU, T C, "Oxidation of ascorbic acid by a (salen)ruthenium(vi) nitrido complex in aqueous solution", *CHEMICAL COMMUNICATIONS*, 50(99), 2014, pp 15799-15802, doi: 10.1039/C4CC07568D.
- WANG Ruwei** #WANG, R, LIU, G and LAU, T C, "Rational design of Ag@Ag-Bi-KBa2Ta5O15 nanocomposites as efficient plasmonic photocatalysts for degradation of organic pollutants in water under visible light", *Applied Catalysis A-General*, Vol 496, 25 April 2015, pp 17-24, doi: 10.1016/j.apcata.2015.02.004.
- WANG Yafen** #WANG, Y, #WU, Y, WU, Z and TAM, N F Y, "Genotypic responses of bacterial community structure to a mixture of wastewater-borne PAHs and PBDEs in constructed mangrove microcosms", *Journal of Hazardous Materials*, Vol 298, 6 May 2015, pp 91-101, doi: 10.1016/j.jhazmat.2015.05.003.

Section A: Publications of PhD Students

- WANG Ying** #WANG, Y, #ZHU, H and TAM, N F Y , "Effect of a polybrominated diphenyl ether congener (BDE-47) on growth and antioxidative enzymes of two mangrove plant species, *Kandelia obovata* and *Avicennia marina*, in South China", *Marine Pollution Bulletin*, 85(2), 30 August 2014, pp 376-384, doi: 10.1016/j.marpolbul.2014.02.012.
- WANG Zhigang** WANG, B, #WANG, Z, #AI, F, TANG, W K and ZHU, G , "A monofunctional platinum(II)-based anticancer agent from a salicylanilide derivative: Synthesis, antiproliferative activity, and transcription inhibition", *Journal of Inorganic Biochemistry*, Vol 142, 2015, pp 118-125, doi: 10.1016/j.jinorgbio.2014.10.003.
- #WANG, Z, MA, R, #YAN, L, CHEN, X F and ZHU, G , "Combined chemotherapy and photodynamic therapy using a nanohybrid based on layered double hydroxides to conquer cisplatin resistance", *CHEMICAL COMMUNICATIONS*, Vol 51, 2015, pp 11587-11590, doi: 10.1039/C5CC04376J.
- MA, R, #WANG, Y, #YAN, L, #MA, L, #WANG, Z, CHAN, H C, CHIU, S K, CHEN, X F and ZHU, G , "Efficient co-delivery of a Pt(IV) prodrug and a p53 activator to enhance the anticancer activity of cisplatin", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 March 2015, pp 7859-7862.
- #WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P , "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.
- WEI Xiguang** ZHAO, W, YU, J, REN, S, #WEI, X, QIU, F, LI, P, LI, H, ZHOU, Y, YIN, C, CHEN, A, LI, H, ZHANG, L, ZHU, J, REN, Y and LAU, K C , "Probing the Reactivity of Microhydrated alpha-Nucleophile in the Anionic Gas-Phase S(N)2 Reaction", *Journal of Computational Chemistry*, 36(11), 30 April 2015, pp 844-852, doi: 10.1002/jcc.23862.
- #CHU, W K, #WEI, X, YIU, S M, KO, C C and LAU, K C , "Strongly Phosphorescent Neutral Rhenium(I) Isocyanoborato Complexes: Synthesis, Characterization, and Photophysical, Electrochemical, and Computational Studies", *Chemistry - A European Journal*, 21(6), 2 February 2015, pp 2603-2612, doi: 10.1002/chem.201405291.
- WONG Yan Lung** #ZHA, M, #LIU, J, #WONG, Y L W and XU, Z , "Extraction of palladium from nuclear waste-like acidic solutions by a metal-organic framework with sulfur and alkene functions", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(7), 15 January 2015, pp 3928-3934, doi: 10.1039/c4ta06678b.
- #CUI, J, #WONG, Y L W, ZELLER, M, HUNTER, A D and XU, Z , "Pd Uptake and H2S Sensing by an Amphoteric Metal-Organic Framework with a Soft Core and Rigid Side Arms", *Angewandte Chemie-International Edition*, 53(52), 22 December 2014, pp 14438-14442, doi: 10.1002/anie.201408453.
- #YEE, K K, #WONG, Y L W, #ZHA, M, ADHIKARI, R Y, TUOMINEN, M T, HE, J and XU, Z , "Room-Temperature Acetylene Hydration by a Hg(II)-laced Metal-Organic Framework", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 May 2015, pp 10941-10944, doi: 10.1039/C5CC03943F.

Section A: Publications of PhD Students

GUI, B, #YEE, K K, #WONG, Y L W, YIU, S M, ZELLER, M, WANG, C and XU, Z, "Tackling poison and leach: catalysis by dangling thiol-palladium functions within a porous metal-organic solid", *CHEMICAL COMMUNICATIONS*, 51(32), 2015, pp 6917-6920, doi: 10.1039/c5cc00140d.

WU Xiaoguo #WU, X, LAM, J C W, #XIA, C, KANG, H, XIE, Z and LAM, K S P, "Atmospheric hexachlorobenzene determined during the third China arctic research expedition: Sources and environmental fate", *Atmospheric Pollution Research*, 5(3), July 2014, pp 477-483, doi: 10.5094/APR.2014.056.

XIA Chonghuan #WU, X, LAM, J C W, #XIA, C, KANG, H, XIE, Z and LAM, K S P, "Atmospheric hexachlorobenzene determined during the third China arctic research expedition: Sources and environmental fate", *Atmospheric Pollution Research*, 5(3), July 2014, pp 477-483, doi: 10.5094/APR.2014.056.

XIE Yusheng #ZHANG, H, #XIE, Y, #WANG, P, #CHEN, G, LIU, R, LAM, Y, HU, Y, ZHU, Q and SUN, H, "An iminocoumarin benzothiazole-based fluorescent probe for imaging hydrogen sulfide in living cells", *Talanta*, Vol 135, 1 June 2015, pp 149-154, doi: doi:10.1016/j.talanta.2014.12.044.

XU Wenzhe #XU, W, CHEUNG, S G and SHIN, P K S, "Structure and taxonomic composition of free-living nematode and macrofaunal assemblages in a eutrophic subtropical harbour, Hong Kong", *Marine Pollution Bulletin*, 85(2), 30 August 2014, pp 764-773, doi: 10.1016/j.marpolbul.2014.01.023.

YEE Ka Kit #YEE, K K, #WONG, Y L W, #ZHA, M, ADHIKARI, R Y, TUOMINEN, M T, HE, J and XU, Z, "Room-Temperature Acetylene Hydration by a Hg(II)-laced Metal-Organic Framework", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 May 2015, pp 10941-10944, doi: 10.1039/C5CC03943F.

GUI, B, #YEE, K K, #WONG, Y L W, YIU, S M, ZELLER, M, WANG, C and XU, Z, "Tackling poison and leach: catalysis by dangling thiol-palladium functions within a porous metal-organic solid", *CHEMICAL COMMUNICATIONS*, 51(32), 2015, pp 6917-6920, doi: 10.1039/c5cc00140d.

ZHA Meiqin #ZHA, M, #LIU, J, #WONG, Y L W and XU, Z, "Extraction of palladium from nuclear waste-like acidic solutions by a metal-organic framework with sulfur and alkene functions", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(7), 15 January 2015, pp 3928-3934, doi: 10.1039/c4ta06678b.

#YEE, K K, #WONG, Y L W, #ZHA, M, ADHIKARI, R Y, TUOMINEN, M T, HE, J and XU, Z, "Room-Temperature Acetylene Hydration by a Hg(II)-laced Metal-Organic Framework", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 May 2015, pp 10941-10944, doi: 10.1039/C5CC03943F.

ZHANG Feng #ZHANG, F, YUAN, S, LI, W, CHEN, J, KO, C C and YU, H Q, "WO₃ nanorods-modified carbon electrode for sustained electron uptake from *Shewanella oneidensis* MR-1 with suppressed biofilm formation", *Electrochimica Acta*, Vol 152, 10 January 2015, pp 1-5, doi: 10.1016/j.electacta.2014.11.103.

Section A: Publications of PhD Students

- ZHANG Haoyu** #ZHANG, H Y, SHIN, P K S and CHEUNG, S G , "Physiological responses and scope for growth upon medium-term exposure to the combined effects of ocean acidification and temperature in a subtidal scavenger *Nassarius conoidalis*", *Marine Environmental Research*, Vol 106, May 2015, pp 51-60, doi: 10.1016/j.marenvres.2015.03.001.
- ZHANG Huatang** #ZHANG, H, LIU, R, #TAN, Y, XIE, H W, LEI, H, CHEUNG, H Y and HONGYAN, S , "A FRET - based Ratiometric Fluorescent Probe for Nitroxyl Detection in Living Cells", *ACS Applied Materials & Interfaces*, 7(9), 11 March 2015, pp 5438-5443, doi: 10.1021/am508987v.
- #ZHANG, H, ZHANG, C, LIU, R, YI, L and SUN, H , "A highly selective and sensitive fluorescent thiol probe through dual-reactive and dual-quenching groups", *CHEMICAL COMMUNICATIONS*, 51(11), 2015, pp 2029-U44, doi: 10.1039/c4cc08156k.
- #ZHANG, H, #XIE, Y, #WANG, P, #CHEN, G, LIU, R, LAM, Y, HU, Y, ZHU, Q and SUN, H , "An iminocoumarin benzothiazole-based fluorescent probe for imaging hydrogen sulfide in living cells", *Talanta*, Vol 135, 1 June 2015, pp 149-154, doi: doi:10.1016/j.talanta.2014.12.044.
- #WANG, P, NA, Z, FU, J, TAN, Y J C, #ZHANG, H, YAO, S Q and SUN, H , "Microarray immobilization of biomolecules using a fast *trans*-cyclooctene (TCO)–tetrazine reaction", *CHEMICAL COMMUNICATIONS*, 50(80), 14 July 2014, pp 11818-11821, doi: 10.1039/C4CC03838J.
- ZHANG Junliang** MA, L, MA, R, #WANG, Y, #ZHU, X, #ZHANG, J, CHAN, H C, CHEN, X F, ZHANG, W, CHIU, S K and ZHU, G , "Chalcoptatin, a dual-targeting and p53 activator-containing anticancer platinum(iv) prodrug with unique mode of action", *CHEMICAL COMMUNICATIONS*, 51(29), 27 January 2015, pp 6301-6304.
- ZHOU Chuncai** #ZHOU, C, LIU, G, FANG, T, LAM, K S P and LAM, C W J , "Atmospheric emissions of toxic elements (As, Cd, Hg, and Pb) from brick making plants in China", *RSC Advances*, 5(19), 2015, pp 14497-14505, doi: 10.1039/c4ra14443k.
- #ZHOU, C, LIU, G, #FANG, T and LAM, K S P , "Investigation on thermal and trace element characteristics during co-combustion biomass with coal gangue", *BIORESOURCE TECHNOLOGY*, Vol 175, January 2015, pp 454-462, doi: 10.1016/j.biortech.2014.10.129.
- #ZHOU, C, LIU, G, FANG, T, WU, D and LAM, K S P , "Partitioning and transformation behavior of toxic elements during circulated fluidized bed combustion of coal gangue", *Fuel*, Vol 135, 1 November 2014, pp 1-8, doi: 10.1016/j.fuel.2014.06.034.
- #ZHOU, C, LIU, G, CHENG, S, FANG, T and LAM, K S P , "The Environmental Geochemistry of Trace Elements and Naturally Radionuclides in a Coal Gangue Brick-Making Plant", *Scientific Reports*, Vol 4, 28 August 2014, p 6221, doi: 10.1038/srep06221.
- ZHU Haowen** #WANG, Y, #ZHU, H and TAM, N F Y , "Effect of a polybrominated diphenyl ether congener (BDE-47) on growth and antioxidative enzymes of two mangrove plant species, *Kandelia obovata* and *Avicennia marina*, in South China", *Marine Pollution Bulletin*, 85(2), 30 August 2014, pp 376-384, doi: 10.1016/j.marpolbul.2014.02.012.

Section A: Publications of PhD Students

Conference papers

AI Fujin

#AI, F, ZHANG, X and ZHU, G, "Novel core-shell-shell nanoparticles with minimized overheating effect for photodynamic therapy", *The 22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

#AI, F, ZHANG, X and ZHU, G, "NOVEL CORE-SHELL-SHELL UPCONVERSION NANOPARTICLES WITH MINIMIZED OVERHEATING EFFECT FOR PHOTODYNAMIC THERAPY OF CANCER", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

BABAEI Fatemeh

#BABAEI, F, LIU, C, FUNG, K H, CHENG, S H and LAM, Y W, "TECHNICAL INNOVATIONS FOR THE STUDY OF ZEBRAFISH HEART REGENERATION", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

CHAN Kin Cheung

#CHAN, K C P, #CHU, W K and KO, C C, "Synthesis, Characterization and Photophysical Studies of Isocyanoborato Bis-(2-phenylpyridyl) Iridium(III) Complexes", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#CHAN, K C P, #CHU, W K, YIU, S M and KO, C C, "Synthesis, Characterization, Photophysics and Electrochemistry of Luminescent Cyclometalated Iridium(III) Complexes with Isocyanoborato Ligands", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

CHAN Miu Shan

LO, P K P, #CHAN, M S, #DAI, Z, TAM, D Y K and LIU, L S, "Design and Development of Multifunctional DNA-Based Nanomaterials for Biomedical Applications", *CFP/NIM Workshop on Functional Photonics and Nanosystems*, Centre for Functional Photonics (CFP) and the Nanosystems Initiative Munich (NIM), Hong Kong, PRC, 27-29 May 2015.

LO, P K P, #CHAN, M S, #DAI, Z and TAM, D Y K, "Development of Multifunctional DNA-Based Nanomaterials for Biomedical Applications", *The International Forum of Biomedical Materials Nanobiomaterials and Biomaterials Interfaces IFBM 2014*, Zhejiang Provincial Natural Science Foundation of China and Institute of Biomedical Macromolecules, Zhejiang University, Zhejiang, PRC, 28-31 October 2014.

#CHAN, M S and LO, P K P, "Nanoneedle-Assisted Delivery of Site-Selective Peptide-Functionalized DNA Nanocage for Targeting Mitochondria and Nuclei", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

LO, P K P, #DAI, Z, #CHAN, M S, TAM, D Y K and LIU, L S, "Photon-Responsive DNA Nanomaterials: From Design to Assembly", *4th International Conference on DNA Nanotechnology*, 化学化工学院, 陕西师范大学, Xi'an, PRC, 27-29 June 2015.

CHEN Gancho

#CHEN, G, #XIE, Y, #ZHANG, H, #WANG, P, CHEUNG, H Y, YANG, M M and SUN, H, "A General Colorimetric Method for Detecting Protease Activity Based on Peptide-Induced Gold Nanoparticle Aggregation", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#ZHANG, H, #WANG, P, #CHEN, G, CHEUNG, H Y and SUN, H, "A Highly Sensitive Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

Section A: Publications of PhD Students

#TAN, Y, LIU, R, #ZHANG, H, #XIE, Y, #CHEN, G, #WANG, P and SUN, H, "A MITOCHONDRIAL-TARGETABLE, REDUCTANT-RESISTANT AND METAL-FREE NEAR-INFRARED FLUORESCENT SENSOR FOR IMAGING OF BIOLOGICAL NITROXYL", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

CHEN Gui

#MA, L, #PAN, Y, MAN, W L, KWONG, H K, LAM, W W Y, #CHEN, G, LAU, K C and LAU, T C, "Highly Efficient Alkane Oxidation Catalyzed by $[\text{MnV}(\text{N})(\text{CN})_4]^{2-}$. Evidence for $[\text{MnVII}(\text{N})(\text{O})(\text{CN})_4]^{2-}$ as Active Intermediate", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

CHEUNG Ho Yuen

#CHEUNG, H Y, LIN, H, XIU, F, WANG, F, #YIP, S P, HO, J C Y and WONG, C Y, "Mechanistic Characteristics of Metal-Assisted Chemical Etching in GaAs", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

CHU Wing Kin

#CHU, W K, YIU, S M and KO, C C, "Neutral Luminescent Bis(bipyridyl) Osmium(II) Complexes with Improved Phosphorescent Properties", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

KO, C C, #CHU, W K and #NG, C O, "Photophysics, Photocatalysis and Device Application of Luminescent Rhenium(I) Diimine Complexes", *The 9th International Conference on Cutting-Edge Organic Chemistry in Asia*, Malaysia, 1-4 December 2014.

#CHAN, K C P, #CHU, W K and KO, C C, "Synthesis, Characterization and Photophysical Studies of Isocyanoborato Bis-(2-phenylpyridyl) Iridium(III) Complexes", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#CHAN, K C P, #CHU, W K, YIU, S M and KO, C C, "Synthesis, Characterization, Photophysics and Electrochemistry of Luminescent Cyclometalated Iridium(III) Complexes with Isocyanoborato Ligands", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

CUI Jieshun

NG, S W J, #HE, J, #ZHA, M, #CUI, J and XU, Z, "Convenient Detection of Palladium(II) by a Metal-Organic Framework with Sulfur and Olefin Functions", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#CUI, J, #WONG, Y L W, ZELLER, M, HUNTER, A D and XU, Z, "Pd Uptake and H₂S Sensing by an Amphoteric Metal-Organic Framework with a Soft Core and Rigid Side Arms", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

DAI Ziwen

LO, P K P, #CHAN, M S, #DAI, Z, TAM, D Y K and LIU, L S, "Design and Development of Multifunctional DNA-Based Nanomaterials for Biomedical Applications", *CFP/NIM Workshop on Functional Photonics and Nanosystems*, Centre for Functional Photonics (CFP) and the Nanosystems Initiative Munich (NIM), Hong Kong, PRC, 27-29 May 2015.

LO, P K P, #CHAN, M S, #DAI, Z and TAM, D Y K, "Development of Multifunctional DNA-Based Nanomaterials for Biomedical Applications", *The International Forum of Biomedical Materials Nanobiomaterials and Biomaterials Interfaces IFBM 2014*, Zhejiang Provincial Natural Science Foundation of China and Institute of Biomedical Macromolecules, Zhejiang University, Zhejiang, PRC, 28-31 October 2014.

LO, P K P, #DAI, Z, #CHAN, M S, TAM, D Y K and LIU, L S, "Photon-Responsive DNA Nanomaterials: From Design to Assembly", *4th International Conference on DNA Nanotechnology*, 化学化工学院, 陕西师范大学, Xi'an, PRC, 27-29 June 2015.

Section A: Publications of PhD Students

#DAI, Z and LO, P K P, "Two-Photon Responsive Three-Dimensional DNA Nanostructures", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

DONG Miao #DONG, M, LIANG, Y, HUMBLE, J L, AU, D W T and LAM, Y W, "Characterisation of Anti-Bacterial Factors in Marine Fish Blood by Cell-Based Assay and by Proteomic Approach", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

GUO Zhengqing CHAN, M C W, #GUO, Z and TONG, W L, "Luminescent Oligo(Ethylene Glycol)-Functionalized Cyclometalated Platinum(II) Complexes: Cellular Characterization and Mitochondria-Specific Localization", *5th EuCheMS (European Association for Chemical and Molecular Sciences) Chemistry Congress*, Istanbul, Turkey, 31 August - 4 September 2014.

HE Dongmei #HE, D and HORVATH, I T, "Heterogenization of Shvo's Catalyst by Covalent Grafting on Silica Gel", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

HE Jun NG, S W J, #HE, J, #ZHA, M, #CUI, J and XU, Z, "Convenient Detection of Palladium(II) by a Metal-Organic Framework with Sulfur and Olefin Functions", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

HU Peng #HU, P and LAM, H W M, "Photo-Triggered Traceless Staudinger Ligation and Its Applications", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

IP Kwok Wa #IP, K W, XIANG, J, MA, L and LAU, T C, "Synthesis and Reactivity of Ruthenium Guanidine Complexes", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

KWAN Kit Yue #KWAN, K Y B, CHAN, K Y, CHEUNG, S G and SHIN, P K S, "A Blood Test for Marine Invertebrates: Monitoring Health Status from Hemolymph Quality in Juvenile Chinese Horseshoe Crab *Tachypleus tridentatus* (Arthropoda: Chelicerata)", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#KWAN, K Y B, CHAN, K Y, CHEUNG, S G and SHIN, P K S, "Hemolymph quality, growth performance and morphological abnormalities in juvenile *Tachypleus tridentatus* under sublethal tributyltin and cadmium exposure", *Third International Workshop on the Science and Conservation of Horseshoe Crabs*, the Kujukushima Aquarium and University of Nagasaki, Sasebo City, Japan, 15-19 June 2015.

#KWAN, K Y B, UN, K Y, CHEUNG, S G and SHIN, P K S, "Hemolymph quality of juvenile *Tachypleus tridentatus* and *Carcinoscorpius rotundicauda* in Hong Kong and relationship with habitat conditions", *Third International Workshop on the Science and Conservation of Horseshoe Crabs*, the Kujukushima Aquarium and University of Nagasaki, Sasebo City, Japan, 15-19 June 2015.

#TSUI, M P M, #LEUNG, H W, #KWAN, K Y B, NG, K Y, YAMASHITA, N, TANIYASU, S, LAM, K S P and MURPHY, M B, "Occurrence, Distribution and Ecological Risk Assessment of Multiple Classes of UV Filters in Marine Sediments in Hong Kong and Japan", *SETAC Europe 25th Annual Meeting*, Barcelona, Spain, 3-7 May 2015.

CHEUNG, J H Y, LAW, C K, CHEUNG, S G, #KWAN, K Y B and SHIN, P K S, "Saving the living fossils in a highly urbanized city through secondary school students", *Third International Workshop on the Science and Conservation of Horseshoe Crabs*, the Kujukushima Aquarium and University of Nagasaki, Sasebo City, Japan, 15-19 June 2015.

Section A: Publications of PhD Students

- LAI Lok Shun** #LAI, L S, LAM, C W J, MAN, Y C, KWOK, Y and LAM, K S P, "Occurrence of Organophosphate Flame Retardants and Plasticizers in Waters from South China", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LAW Chung Kay Edwin** #LAW, C K E and HORVATH, I T, "Synthesis of Novel Fluorous Ethers", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LEE Cho Cheung** #LEE, C C, LAU, C W, LIU, H and LO, K W K, "New Phosphorogenic Bioorthogonal Probes Derived from Biscyclometalated Iridium(III) Bipyridine Nitrene Complexes", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong Baptist University, Hong Kong, PRC, 18 April 2015.
- #LEE, C C, LAU, C W, LIU, H and LO, K W K, "Phosphorogenic Bioorthogonal Probes Derived from Cyclometalated Iridium(III) Polypyridine Complexes", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LEI Ngai Yu** #YE, R, #LEI, N Y, BO, J, LAM, H W M and AU, D W T, "Identification of Immune Genes in Marine Medaka *Oryzias melastigma* and Their Response to PBDE Exposure", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #LEI, N Y, YAU, M S, YEUNG, C C, MURPHY, M B and LAM, H W M, "NEUROMETABOLOMIC PROFILING OF THE BRAIN OF MARINE MEDAKA (*ORYZIAS MELASTIGMA*) FOR ENVIRONMENTAL NEUROTOXICOLOGICAL STUDIES", *The 11th International Symposium on Persistent Toxic Substances*, Hong Kong, PRC, 27-30 October 2014.
- LEUNG Ho Wing** #TSUI, M P M, #LEUNG, H W, #KWAN, K Y B, NG, K Y, YAMASHITA, N, TANIYASU, S, LAM, K S P and MURPHY, M B, "Occurrence, Distribution and Ecological Risk Assessment of Multiple Classes of UV Filters in Marine Sediments in Hong Kong and Japan", *SETAC Europe 25th Annual Meeting*, Barcelona, Spain, 3-7 May 2015.
- LI Cai** #LI, C and ZHU, G, "Surface-Modified Mesoporous Silica Nanoparticles for the Delivery of Platinum-Based Anticancer Drugs and Controlled Release", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LI Luwei** #LI, L, #SHAM, K C, YIU, S M and KWONG, H L, "TETRANUCLEAR [2×2] GRID TYPE COMPLEXES DERIVED BY SELF-ASSEMBLY FROM CHIRAL C1-ASYMMETRIC PYRIDINE IMINE LIGANDS", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LI Po Yam** #LI, S P Y, LAU, T S, #LOUIE, M W, LAM, Y W, CHENG, S H and LO, K W K, "Mitochondria-Targeting Cyclometalated Iridium(III) Poly(ethylene glycol) (PEG) Complexes with Tunable Photodynamic Activity", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #LI, S P Y and LO, K W K, "Phosphorogenic Bioorthogonal Probes Derived from Iridium(III) Polypyridine Complexes Containing a 1,2,4,5-Tetrazine Moiety", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong Baptist University, Hong Kong, PRC, 18 April 2015.
- LIU Cham Chuen** CHAN, M C W and #LIU, C C, "Chelating σ -Aryl Post-Metallocenes: Unusual Reaction Pathways and Synthetic Models of Weak Attractive Ligand-Polymer Interactions", *249th ACS National Meeting*, American Chemical Society, Denver, USA, 22-26 March 2015.

Section A: Publications of PhD Students

- LIU Jie** #ZHA, M, #LIU, J, #WONG, Y L W and XU, Z, "Extraction of Palladium from Nuclear Waste-like Acidic Solutions by a Metal-Organic Framework with Sulfur and Alkene Functions", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #LIU, J, #YEE, K K and XU, Z, "Selective Ag(I) Binding, H₂S Sensing and White-Light Emission from an Easy-To-Make Porous Conjugated Polymer", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LIU Yingying** #LIU, Y, NG, S M, YIU, S M, LAM, W W Y, WEI, X, LAU, K C and LAU, T C, "Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) Qpy-N,N'''-dioxide as the Real Catalysts", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- LO See Wing, Angel** LAW, C K E, #LO, S W A, WEI, X, LAU, K C, MA, C Y, MURPHY, M B and HORVATH, I T, "The synthesis and characterisation of novel fluorinated ethers and diethers with nonafluoro-tert-butoxy groups", *7th Green Solvents Conference*, Dresden, Germany, 19-22 October 2014.
- LOUIE Man Wai** #TSO, K K S, ZHANG, K Y, #LOUIE, M W, LIU, H and LO, K W K, "A Phosphorescent Rhenium(I) Polypyridine Fructose Complex That Exhibits Selective Uptake by Breast Cancer Cells and Photocytotoxicity", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #LI, S P Y, LAU, T S, #LOUIE, M W, LAM, Y W, CHENG, S H and LO, K W K, "Mitochondria-Targeting Cyclometalated Iridium(III) Poly(ethylene glycol) (PEG) Complexes with Tunable Photodynamic Activity", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #TANG, S M, LEUNG, K K, #LOUIE, M W, LIU, H, CHENG, S H and LO, K W K, "Phosphorescent Biscyclometalated Iridium (III) Ethylenediamine Complexes Functionalized with Polar Ester or Carboxylate Groups as Bioimaging Reagents", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #TANG, S M, LEUNG, K K, #LOUIE, M W, LIU, H, CHENG, S H and LO, K W K, "Phosphorescent biscyclometalated iridium(III) ethylenediamine complexes functionalised with polar ester or carboxylate groups as bioimaging and visualisation reagents", *Dalton Discussion 15 meeting "Metal ions in medical imaging: optical, radiopharmaceutical and MRI contrast"*, York, United Kingdom, 8-10 September 2014.
- MA Li** #MA, L, #PAN, Y, MAN, W L, KWONG, H K, LAM, W W Y, #CHEN, G, LAU, K C and LAU, T C, "Highly Efficient Alkane Oxidation Catalyzed by [MnV(N)(CN)₄]²⁻. Evidence for [MnVII(N)(O)(CN)₄]²⁻ as Active Intermediate", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- MA Lili** #MA, L, MA, R and ZHU, G, "Chalcoptatin, a dual-targeting Pt(IV) anticancer prodrug containing p53 activators", *The 22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.
- ZHU, G, MA, R, #MA, L and WANG, B, "Dual-targeting non-traditional platinum compounds and Pt-loaded inorganic nanoparticles to improve cisplatin's anticancer activity", *7th Asian Biological Inorganic Chemistry Conference*, Australia, 1-5 December 2014.

Section A: Publications of PhD Students

NG Chi On

#NG, C O, YIU, S M and KO, C C , "Luminescent Rhenium(I) Diimine Complexes with Various Types of N-Heterocyclic Carbene Ligands", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#NG, C O, YIU, S M and KO, C C , "Luminescent Rhenium(I) Diimine Complexes with Various Types of N-Heterocyclic Carbene Ligands and Chelating Pyridyl-Carbene Ligands", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

KO, C C, #CHU, W K and #NG, C O , "Photophysics, Photocatalysis and Device Application of Luminescent Rhenium(I) Diimine Complexes", *The 9th International Conference on Cutting-Edge Organic Chemistry in Asia*, Malaysia, 1-4 December 2014.

PAN Yi

#PAN, Y and LAU, K C , "High-Level *AB Initio* Predictions for the Ionization Energy, Bond Dissociation Energies and Heats of Formation of Titanium Monoxide (TIO), Titanium Dioxide (TIO₂), and Their Cations (TIO⁺/TIO₂⁺)", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#MA, L, #PAN, Y, MAN, W L, KWONG, H K, LAM, W W Y, #CHEN, G, LAU, K C and LAU, T C , "Highly Efficient Alkane Oxidation Catalyzed by [MnV(N)(CN)₄]²⁻. Evidence for [MnVII(N)(O)(CN)₄]²⁻ as Active Intermediate", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

PAN Ying

#PAN, Y and TAM, N F Y , "Distribution of Polybrominated Diphenyl Ethers (PBDEs) In Aquatic Sediments And Their Potential To Degrade BDE-153 Under Anaerobic Condition", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

**PETERSON Drew
Ryan**

SEEMANN, F, SHANTHANAGOUDA, A H, #PETERSON, D R, #YE, R, HUMBLE, J L and AU, D W T , "Ancestral exposure of *Oryzias Latipes* to benzo(a)pyrene modifies bone metabolism in the F1, F2 and F3 generation", *18th Pollutant Responses in Marine Organism (PRIMO)*, Trondheim, Norway, 24-27 May 2015.

SEEMANN, F, #PETERSON, D R, CHIANG, M W L and AU, D W T , "Deciphering the critical windows for immune system development in *Oryzias Melastigma*: A marine fish model for immunotoxicology", *18th Pollutant Responses in Marine Organism (PRIMO)*, Trondheim, Norway, 24-27 May 2015.

#PETERSON, D R and AU, D W T , "Generation of knock-out and knock-in Japanese medaka fish lines using CRISPR/Cas9 genome editing and its application to ecotoxicology and biomedical research.", *The 1st BCH students' conference*, Hong Kong, Hong Kong, PRC, 14 January 2015.

#PETERSON, D R, SEEMANN, F, #YE, R, HUMBLE, J L and AU, D W T , "Parental exposure to estrogenic EDCs (EEDCs) perturbs reproductive success and survival fitness of medaka offspring in a multigenerational manner", *Society for Experimental Biology Prague 2015*, Society for Experimental Biology, Prague, Czech Republic, 28 June - 3 July 2015.

#PETERSON, D R, SEEMANN, F, #YE, R and AU, D W T , "The multigenerational impacts of estrogenic EDCs on reproductive success and survival fitness of medaka offspring", *The 7th Aquatic Animal Models of Human Disease Conference*, Austin, USA, 13-18 December 2014.

Section A: Publications of PhD Students

#PETERSON, D R, SEEMANN, F, #YE, R, HUMBLE, J L and AU, D W T ,
"Transgenerational impacts of estrogenic EDCs on reproductive and immune competence in parentally exposed medaka offspring", *18th Pollutant Responses in Marine Organisms Conference*, Trondheim, Norway, 24-27 May 2015.

QI Long

HORVATH, I T, AKIEN, G R and #QI, L , "Molecular Mapping of the Acid Catalyzed Dehydration of Glucose to 5-Hydroxymethylfurfural", *19th International Symposium on Homogeneous Catalysis*, Ottawa, Canada, 6-11 July 2014.

RUAN Yuefei

#RUAN, Y, LAM, C W J and LAM, K S P , "Tetrabromoethylcyclohexane (TBECH) in Marine Food Chain", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

SHAM Kiu Chor

#YANG, J, #SHAM, K C, YIU, S M and KWONG, H L , "Dodecanuclear Hexagonal Prismatic ZN₁₂L₁₈ Coordination Cage by Self-Assembly", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#LI, L, #SHAM, K C, YIU, S M and KWONG, H L , "TETRANUCLEAR [2×2] GRID TYPE COMPLEXES DERIVED BY SELF-ASSEMBLY FROM CHIRAL C₁-ASYMMETRIC PYRIDINE IMINE LIGANDS", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

TAN Peng

#TAN, P and LAU, T C , "Catalytic Oxidation of Water and Organic Substrates by an Iron Complex", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

TAN Yi

#TAN, Y, LIU, R, #ZHANG, H, #XIE, Y, #CHEN, G, #WANG, P and SUN, H , "A MITOCHONDRIAL-TARGETABLE, REDUCTANT-RESISTANT AND METAL-FREE NEAR-IRREDIANT FLUORESCENT SENSOR FOR IMAGING OF BIOLOGICAL NITROXYL", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

TANG Siu Ming

#TANG, S M, LEUNG, K K, #LOUIE, M W, LIU, H, CHENG, S H and LO, K W K ,
"Phosphorescent Biscyclometalated Iridium (III) Ethylenediamine Complexes Functionalized with Polar Ester or Carboxylate Groups as Bioimaging Reagents", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#TANG, S M, LEUNG, K K, #LOUIE, M W, LIU, H, CHENG, S H and LO, K W K ,
"Phosphorescent biscyclometalated iridium(III) ethylenediamine complexes functionalised with polar ester or carboxylate groups as bioimaging and visualisation reagents", *Dalton Discussion 15 meeting "Metal ions in medical imaging: optical, radiopharmaceutical and MRI contrast"*, York, United Kingdom, 8-10 September 2014.

#TANG, S M, YIP, M H, ZHANG, K Y, LIU, H, WU, P L, LI, K F, CHEAH, K W and LO, K W K , "Strain-Promoted Alkyne-Azide Cycloaddition (SPAAC)-Based Bioorthogonal Labeling, Bioimaging, and Photocytotoxicity Studies of Phosphorescent Ruthenium(II) Polypyridine Dibenzocyclooctyne (DIBO) Complexes", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

TANG Wai Kit

#TANG, W K and SIU, C K A , "Theoretical Examination on the Selectivity of the β -Radical Induced N-C _{α} and C _{α} -C Bond Cleavages along a Peptide Backbone", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

Section A: Publications of PhD Students

#TANG, W K and SIU, C K A , "Theoretical Studies of Ion-Molecule Reaction of Peptide Radical Cation Toward NO₂[•] in the Gas Phase", *The 22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong Baptist University, Hong Kong, Hong Kong, PRC, 18 April 2015.

TSO Karson Ka Shun

#TSO, K K S, ZHANG, K Y, #LOUIE, M W, LIU, H and LO, K W K , "A Phosphorescent Rhenium(I) Polypyridine Fructose Complex That Exhibits Selective Uptake by Breast Cancer Cells and Photocytotoxicity", *The 1st BCH Students' Conference*, Hong Kong, Hong Kong, PRC, 14 January 2015.

#TSO, K K S, LEUNG, K K, LIU, H and LO, K W K , "Design of Iridium(III) Poly(ethylene glycol) (PEG) Complexes as Photoactivatable Cytotoxic Agents", *22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong Baptist University, Hong Kong, Hong Kong, PRC, 18 April 2015.

#TSO, K K S, LEUNG, K K, LIU, H and LO, K W K , "Design of Iridium(III) Poly(ethylene glycol) (PEG) Complexes as Photoactivatable Cytotoxic Agents", *CFP/NIM International Workshop on "Functional Photonics and Nanosystems"*, Hong Kong, Hong Kong, PRC, 27 May - 29 June 2015.

TSUI Mei Po Mirabelle

#TSUI, M P M, #LEUNG, H W, #KWAN, K Y B, NG, K Y, YAMASHITA, N, TANIYASU, S, LAM, K S P and MURPHY, M B , "Occurrence, Distribution and Ecological Risk Assessment of Multiple Classes of UV Filters in Marine Sediments in Hong Kong and Japan", *SETAC Europe 25th Annual Meeting*, Barcelona, Spain, 3-7 May 2015.

WANG Ping

#CHEN, G, #XIE, Y, #ZHANG, H, #WANG, P, CHEUNG, H Y, YANG, M M and SUN, H , "A General Colorimetric Method for Detecting Protease Activity Based on Peptide-Induced Gold Nanoparticle Aggregation", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#ZHANG, H, #WANG, P, #CHEN, G, CHEUNG, H Y and SUN, H , "A Highly Sensitive Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#TAN, Y, LIU, R, #ZHANG, H, #XIE, Y, #CHEN, G, #WANG, P and SUN, H , "A MITOCHONDRIAL-TARGETABLE, REDUCTANT-RESISTANT AND METAL-FREE NEAR-INFRARED FLUORESCENT SENSOR FOR IMAGING OF BIOLOGICAL NITROXYL", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

#WANG, P and SUN, H , "Microarray Immobilization of Biomolecules", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

WANG Qian

#WANG, Q, MAN, W L, LAM, W W Y and LAU, T C , "OXIDATION OF ASCORBIC ACID BY A (SALEN)RUTHENIUM(VI) NITRIDO COMPLEX IN AQUEOUS SOLUTION", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

WANG Zhigang

#WANG, Z, WANG, B and ZHU, G , "A Monofunctional Platinum(II) Anticancer Agent Bearing Salicylanilide Moiety: Synthesis, Cytotoxicity, and Transcription Inhibition", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.

MA, R, #WANG, Z and ZHU, G , "Novel Pt-loaded layered double hydroxide nanoparticles for efficient and cancer-cell specific delivery of a cisplatin prodrug", *The 22nd Symposium on Chemistry Postgraduate Research in Hong Kong*, Hong Kong, PRC, 18 April 2015.

Section A: Publications of PhD Students

- WONG Yan Lung** #ZHA, M, #LIU, J, #WONG, Y L W and #XU, Z, "Extraction of Palladium from Nuclear Waste-like Acidic Solutions by a Metal-Organic Framework with Sulfur and Alkene Functions", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #CUI, J, #WONG, Y L W, #ZELLER, M, #HUNTER, A D and #XU, Z, "Pd Uptake and H₂S Sensing by an Amphoteric Metal–Organic Framework with a Soft Core and Rigid Side Arms", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- WU Qian** #WU, Q, #LAM, C W J, #KWOK, Y and #LAM, K S P, "OCCURRENCE AND FATE OF ENDOGENOUS STERIOD HORMONES, ALKYLPHENOL ETHOXYLATES, BISPHENOL A AND PHTHALATES IN MUNICIPAL SEWAGE TREATMENT SYSTEM AND EVALUATION OF THEIR ENVIRONMENTAL IMPACT", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- XIE Yusheng** #CHEN, G, #XIE, Y, #ZHANG, H, #WANG, P, #CHEUNG, H Y, #YANG, M M and #SUN, H, "A General Colorimetric Method for Detecting Protease Activity Based on Peptide-Induced Gold Nanoparticle Aggregation", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #TAN, Y, #LIU, R, #ZHANG, H, #XIE, Y, #CHEN, G, #WANG, P and #SUN, H, "A MITOCHONDRIAL-TARGETABLE, REDUCTANT-RESISTANT AND METAL-FREE NEAR-INFRARED FLUORESCENT SENSOR FOR IMAGING OF BIOLOGICAL NITROXYL", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- YANG Jing** #YANG, J, #SHAM, K C, #YIU, S M and #KWONG, H L, "Dodecanuclear Hexagonal Prismatic ZN₁₂L₁₈ Coordination Cage by Self-Assembly", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- YE Rui** #SEEMANN, F, #SHANTHANAGOUDA, A H, #PETERSON, D R, #YE, R, #HUMBLE, J L and #AU, D W T, "Ancestral exposure of *Oryzias Latipes* to benzo(a)pyrene modifies bone metabolism in the F1, F2 and F3 generation", *18th Pollutant Responses in Marine Organism (PRIMO)*, Trondheim, Norway, 24-27 May 2015.
- #YE, R, #LEI, N Y, #BO, J, #LAM, H W M and #AU, D W T, "Identification of Immune Genes in Marine Medaka *Oryzias melastigma* and Their Response to PBDE Exposure", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #PETERSON, D R, #SEEMANN, F, #YE, R, #HUMBLE, J L and #AU, D W T, "Parental exposure to estrogenic EDCs (EEDCs) perturbs reproductive success and survival fitness of medaka offspring in a multigenerational manner", *Society for Experimental Biology Prague 2015*, Society for Experimental Biology, Prague, Czech Republic, 28 June - 3 July 2015.
- #PETERSON, D R, #SEEMANN, F, #YE, R and #AU, D W T, "The multigenerational impacts of estrogenic EDCs on reproductive success and survival fitness of medaka offspring", *The 7th Aquatic Animal Models of Human Disease Conference*, Austin, USA, 13-18 December 2014.
- #PETERSON, D R, #SEEMANN, F, #YE, R, #HUMBLE, J L and #AU, D W T, "Transgenerational impacts of estrogenic EDCs on reproductive and immune competence in parentally exposed medaka offspring", *18th Pollutant Responses in Marine Organisms Conference*, Trondheim, Norway, 24-27 May 2015.

Section A: Publications of PhD Students

- YEE Ka Kit** #LIU, J, #YEE, K K and XU, Z , "Selective Ag(I) Binding, H₂S Sensing and White-Light Emission from an Easy-To-Make Porous Conjugated Polymer", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- ZHA Meiqin** NG, S W J, #HE, J, #ZHA, M, #CUI, J and XU, Z , "Convenient Detection of Palladium(II) by a Metal-Organic Framework with Sulfur and Olefin Functions", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #ZHA, M, #LIU, J, #WONG, Y L W and XU, Z , "Extraction of Palladium from Nuclear Waste-like Acidic Solutions by a Metal-Organic Framework with Sulfur and Alkene Functions", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- ZHANG Haoyu** #ZHANG, H Y, CHEUNG, S G and SHIN, P K S , "THE LARVAE OF CONGENERIC GASTROPODS SHOWED DIFFERENTIAL RESPONSES TO THE COMBINED EFFECTS OF OCEAN ACIDIFICATION, TEMPERATURE AND SALINITY", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- ZHANG Huatang** #CHEN, G, #XIE, Y, #ZHANG, H, #WANG, P, CHEUNG, H Y, YANG, M M and SUN, H , "A General Colorimetric Method for Detecting Protease Activity Based on Peptide-Induced Gold Nanoparticle Aggregation", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #ZHANG, H, #WANG, P, #CHEN, G, CHEUNG, H Y and SUN, H , "A Highly Sensitive Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- #TAN, Y, LIU, R, #ZHANG, H, #XIE, Y, #CHEN, G, #WANG, P and SUN, H , "A MITOCHONDRIAL-TARGETABLE, REDUCTANT-RESISTANT AND METAL-FREE NEAR-INFRARED FLUORESCENT SENSOR FOR IMAGING OF BIOLOGICAL NITROXYL", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- ZHAO Hongyan** #ZHAO, H , "Computational study on the structural and spectroscopic properties C \equiv N bond in CX₃CN and CX₃CN-BY₃ (X, Y = -H, -F, -Ph)", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- Patents, agreements, assignments and companies*
- CHEN Xueping** CHENG, S H and #CHEN, X , Transgenic Fish and Uses Thereof, Patent No.: 9,043,995, United States Patent and Trademark Office, USA, 2 June 2015.
- All other outputs**
- CHOI Wing Tat** #CHOI, W T , *Phosphorescent Rhenium(I) Polypyridine Complexes as Biological Imaging Reagents, Nitric Oxide Sensors, and Bioorthogonal Probes*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 26 January 2015.
- CHU Wing Kin** #CHU, W K , *Luminescent Rhenium(I) and Osmium(II) Diimine Complexes with Anionic Borate-Containing Ligands – Design, Synthesis, Photophysics and Applications*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 12 May 2015.
- CHUNG Lai Hon** #CHUNG, L H , 2nd Runner-up of the oral presentation session at the 22nd Symposium on Chemistry Postgraduate Research in Hong Kong, Hong Kong Chemical Society, 18 April 2015.

Section A: Publications of PhD Students

#CHUNG, L H , *Synthesis and Spectroscopic Studies of Ruthenium(II)- and Osmium(II)- N-Heterocyclic Complexes*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 20 November 2014.

CUI Jieshun #CUI, J , *Configuring the Stiff and the Supple Moieties of Porous Framework for Semiconductivity, Sensing and Separation Applications*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 14 January 2015.

FANG Ting #FANG, T , *Environmental Geochemistry of Lead in Chinese Coals and Huainan Coal Mining Area*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 22 June 2015.

HUA Lijuan #HUA, L , *Luminescent Iridium(III) Complexes as Biomolecular and Cellular Probes*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 23 April 2015.

LAW Ho Tin #LAW, H T , *Luminescent Cyclometalated Iridium(III) Polypyridine Complexes and Their Applications in Intracellular Sensing and Bioimaging*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 6 February 2015.

LEI Ngai Yu #LEI, N Y , *Development of a Metabolomics Platform for the Assessment of Neurological Impacts of Selected Environmental Contaminants and Bio-Toxins*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 2 September 2014.

LIU Cham Chuen #LIU, C C , *Group 4 Complexes Bearing Chelating σ -Aryl, σ -Alkenyl and Alkyl Ancillary Ligands: Synthesis, Spectroscopic Characterization and Olefin Polymerization Catalysis*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 18 June 2015.

CHEUNG, S G, SHIN, P K S and #LIU, C C , "The potential of hypoxia as selective force in determining distribution of two congeneric gastropods in subtidal waters", *China Ocean University Presentation*, PRC, 7 May 2015.

MA Li #MA, L , *Catalytic Oxidation of Organic Substrates and Water by Manganese(V) Nitrido and Ruthenium(II) Polypyridyl Complexes*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 8 January 2015.

NG Chi On #NG, C O , Sir Edward Youde Memorial Fellowships for Postgraduate Research Students 2014/2015, Sir Edward Youde memorial (SEYM) Fund Council, 22 March 2015.

PAN Yi #PAN, Y , **Ab initio* Predictions of the Structural, Spectroscopic, and Energetic Properties of Some Chemical Systems*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 18 May 2015.

SO Loi Chi #SO, L C , *Group 4 Complexes Bearing Chelating σ -Aryl Ligands: Preparation, Spectroscopic Characterization, and Application as Olefin Polymerization Catalysts*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 24 November 2014.

TSUI Mei Po Mirabelle #TSUI, M P M , *Occurrence, Distribution and Ecological Risk Assessment of Organic UV Filters in the Aquatic Environment*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 12 August 2014.

Section A: Publications of PhD Students

- WANG Ying** #WANG, Y , *Effects of Polybrominated Diphenyl Ethers (PBDES) on Antioxidative Responses of Mangrove Plants and Their Fate in Mangrove Microcosm Study*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 10 February 2015.
- XIE Jianhui** #XIE, J , *Kinetics and Mechanisms of the Reaction of a (Salen)ruthenium(VI) Nitrido Complex and Ferrate(VI) with Some Organic Substrates*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 12 January 2015.
- XU Wenzhe** #XU, W , *Functional Relationships between Meio- and Macrobenthos in Subtropical Environments: Analysis of Trophic Guilds and Linkages*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 30 December 2014.
- YEE Ka Kit** #YEE, K K , *Metal Uptake by Sulfur and Nitrogen-Functionalized Porous Frameworks for Sensing and Catalysis Applications*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 10 April 2015.
- ZHANG Haoyu** CHEUNG, S G, SHIN, P K S and #ZHANG, H Y , "Contrasting responses to ocean acidification in two congeneric gastropods", *China Ocean University Presentation*, PRC, 8 May 2015.
- ZHOU Chuncai** #ZHOU, C , *The Environmental Geochemistry of Trace Elements during Utilization of Coal Gangue*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 10 June 2015.
- ZHU Bingqing** #ZHU, B J , *Assessment of Polybrominated Diphenyl Ethers and Other Emerging Halogenated Flame Retardants in the Aquatic Environment of China*, PhD Thesis, Department of Biology and Chemistry, City University of Hong Kong, Hong Kong, PRC, 23 July 2014.

DEPARTMENT OF BIOMEDICAL SCIENCES

Journal publications

- ALQOUQA Iyad A S** WONG, W L, #LEUNG, F M, #ALQOUQA, I A S and CHEUNG, H Y , "Cloning and Expression of a Surface Antigen of *Orientia tsutsugamushi* in *E. coli*", *Hong Kong Pharmaceutical Journal*, 21(3), Jul-Sep 2014, pp 98-107.
- BAIBADO Joewel Tarra** #BAIBADO, J T and CHEUNG, H Y , "Biological functions of the metabolites from *Euphorbia hirta* L.", *International Journal of Pharmaceutical and Biological Science Archive*, 3(1), 29 June 2015, pp 27-29, (ISSN 2349-2678).
- #BAIBADO, J T and CHEUNG, H Y , "Potential neuroprotective effects of herbal compounds.", *International Journal of Pharmaceutical and Biological Science Archive*, 3(1), 29 June 2015, pp 24-26.
- CAO Bing** MU, L, #WANG, J, #CAO, B, JELFS, B, CHAN, R H M, XU, X, HASAN, M, ZHANG, X and LL, Y , "Impairment of cognitive function by chemotherapy: Association with the disruption of phase-locking and synchronization in anterior cingulate cortex", *Molecular Brain*, 8(32), 23 May 2015, pp 1-15, doi: 10.1186/s13041-015-0125y.

Section A: Publications of PhD Students

#WANG, J, #CAO, B, YU, T, JELFS, B, YAN, J, CHAN, R H M and LI, Y, "Theta-frequency phase-locking of single anterior cingulate cortex neurons and synchronization with the medial thalamus are modulated by visceral noxious stimulation in rats", *Neuroscience*, Vol 298, 2015, pp 200-210, doi: 10.1016/j.neuroscience.2015.04.024.

LI Li

#LAM, K K, FUNG, Y K, HAN, W, #LI, L, CHIU, S K, CHEUNG, S H and YU, K N, "MODULATION OF NF- κ B IN RESCUED IRRADIATED CELLS", *Radiation Protection Dosimetry*, 24 April 2015, pp 1-7.

LI Linqiu

#SHEN, Q L, #YANG, M, #LI, L and CHEUNG, H Y, "Graphene/TiO₂ nanocomposite based solid-phase extraction and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for lipidomic profiling of avocado (*Persea americana* Mill.)", *Analytica Chimica Acta*, Vol 852, 10 December 2014, pp 153-161, doi: 10.1016/j.aca.2014.09.022.

#LI, L, CAI, Y, #YANG, M, #SHEN, Q L, YU, K M and CHEUNG, H Y, "Improvement of reproducibility and sensitivity by reducing matrix effect in micellar electrokinetic chromatography for determination of amino acids in turtle jelly", *ELECTROPHORESIS*, 36(9-10), May 2015, pp 1186-1195, doi: 10.1002/elps.201400533.

#YANG, M, #SHEN, Q L, #LI, L, HUANG, Y and CHEUNG, H Y, "Phytochemical profiles, antioxidant activities of functional herb *Abrus cantoniensis* and *Abrus mollis*", *Food Chemistry*, Vol 177, 15 June 2015, pp 304-312, doi: 10.1016/j.foodchem.2015.01.054.

LI Yuanyuan

WANG, H, ZHAO, C, HUANG, Y, WANG, F, #LI, Y and CHEUNG, H Y, "Chemical Constituents and Bioactivities of Plantaginis Herba", *Hong Kong Pharmaceutical Journal*, 22(1), Jan-Mar 2015, pp 29-35.

WANG, H, ZHAO, C, #LI, Y, HUANG, Y and CHEUNG, H Y, "Chemical Constituents and Biological Activities of *Lobelia chinensis*", *Hong Kong Pharmaceutical Journal*, 21(3), Jul-Sep 2014, pp 108-113.

#LI, Y, HU, S, HUANG, Y, HAN, Y and CHEUNG, H Y, "Preventing H₂O₂-induced toxicity in primary cerebellar granule neurons via activating the PI3-K/Akt/GSK3 β pathway by kukoamine from Lycii Cortex", *Journal of Functional Foods*, Vol 17, 2015, pp 709-721, doi: 10.1016/j.jff.2015.06.029.

#LI, Y, DI, R, HSU, W L, HUANG, Y, SUN, H and CHEUNG, H Y, "Sensitivity improvement of kukoamine determination by complexation with dihydrogen phosphate anions in capillary zone electrophoresis", *ELECTROPHORESIS*, Vol 36, 30 June 2015, pp 1801-1807, doi: 10.1002/elps.201500030.

SHEN Qing

#SHEN, Q L, #YANG, M, #LI, L and CHEUNG, H Y, "Graphene/TiO₂ nanocomposite based solid-phase extraction and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for lipidomic profiling of avocado (*Persea americana* Mill.)", *Analytica Chimica Acta*, Vol 852, 10 December 2014, pp 153-161, doi: 10.1016/j.aca.2014.09.022.

#SHEN, Q L, YANG, Q and CHEUNG, H Y, "Hydrophilic interaction chromatography based solid-phase extraction and MALDI TOF mass spectrometry for revealing the influence of *Pseudomonas fluorescens* on phospholipids in salmon fillet", *Analytical and Bioanalytical Chemistry*, 407(5), February 2015, pp 1475-1484, doi: 10.1007/s00216-014-8365-8.

#LI, L, CAI, Y, #YANG, M, #SHEN, Q L, YU, K M and CHEUNG, H Y, "Improvement of reproducibility and sensitivity by reducing matrix effect in micellar electrokinetic chromatography for determination of amino acids in turtle jelly", *ELECTROPHORESIS*, 36(9-10), May 2015, pp 1186-1195, doi: 10.1002/elps.201400533.

#YANG, M, #SHEN, Q L, #LI, L, HUANG, Y and CHEUNG, H Y, "Phytochemical profiles, antioxidant activities of functional herb *Abrus cantoniensis* and *Abrus mollis*", *Food Chemistry*, Vol 177, 15 June 2015, pp 304-312, doi: 10.1016/j.foodchem.2015.01.054.

#SHEN, Q L, LU, Y, DAI, Z and CHEUNG, H Y, "Precursor ion scan driven fast untargeted screening and semi-determination of caffeoylquinic acid derivatives in *Cynara scolymus* L.", *Food Chemistry*, Vol 166, 1 January 2015, pp 442-447, doi: 10.1016/j.foodchem.2014.06.030.

#SHEN, Q L and CHEUNG, H Y, "TiO₂/SiO₂ Core Shell Composite-Based Sample Preparation Method for Selective Extraction of Phospholipids from Shrimp Waste Followed by Hydrophilic Interaction Chromatography Coupled with Quadrupole Time-of-Flight/Mass Spectrometry Analysis", *Journal of Agricultural and Food Chemistry*, 62(36), 10 September 2014, pp 8944-8951, doi: 10.1021/jf503040p.

WANG Jun

MU, L, #WANG, J, #CAO, B, JELFS, B, CHAN, R H M, XU, X, HASAN, M, ZHANG, X and LI, Y, "Impairment of cognitive function by chemotherapy: Association with the disruption of phase-locking and synchronization in anterior cingulate cortex", *Molecular Brain*, 8(32), 23 May 2015, pp 1-15, doi: 10.1186/s13041-015-0125y.

#WANG, J, #CAO, B, YU, T, JELFS, B, YAN, J, CHAN, R H M and LI, Y, "Theta-frequency phase-locking of single anterior cingulate cortex neurons and synchronization with the medial thalamus are modulated by visceral noxious stimulation in rats", *Neuroscience*, Vol 298, 2015, pp 200-210, doi: 10.1016/j.neuroscience.2015.04.024.

WANG Yiping

MA, L, MA, R, #WANG, Y, #ZHU, X, #ZHANG, J, CHAN, H C, CHEN, X F, ZHANG, W, CHIU, S K and ZHU, G, "Chalcoptatin, a dual-targeting and p53 activator-containing anticancer platinum(IV) prodrug with unique mode of action", *CHEMICAL COMMUNICATIONS*, 51(29), 27 January 2015, pp 6301-6304.

MA, R, #WANG, Y, #YAN, L, #MA, L, #WANG, Z, CHAN, H C, CHIU, S K, CHEN, X F and ZHU, G, "Efficient co-delivery of a Pt(IV) prodrug and a p53 activator to enhance the anticancer activity of cisplatin", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 March 2015, pp 7859-7862.

YANG Mei

#SHEN, Q L, #YANG, M, #LI, L and CHEUNG, H Y, "Graphene/TiO₂ nanocomposite based solid-phase extraction and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for lipidomic profiling of avocado (*Persea americana* Mill.)", *Analytica Chimica Acta*, Vol 852, 10 December 2014, pp 153-161, doi: 10.1016/j.aca.2014.09.022.

#LI, L, CAI, Y, #YANG, M, #SHEN, Q L, YU, K M and CHEUNG, H Y, "Improvement of reproducibility and sensitivity by reducing matrix effect in micellar electrokinetic chromatography for determination of amino acids in turtle jelly", *ELECTROPHORESIS*, 36(9-10), May 2015, pp 1186-1195, doi: 10.1002/elps.201400533.

#YANG, M, #SHEN, Q L, #LI, L, HUANG, Y and CHEUNG, H Y, "Phytochemical profiles, antioxidant activities of functional herb *Abrus cantoniensis* and *Abrus mollis*", *Food Chemistry*, Vol 177, 15 June 2015, pp 304-312, doi: 10.1016/j.foodchem.2015.01.054.

Section A: Publications of PhD Students

- YU Wai Kin** LIU, D, #YI, R C Q, FONG, C C, JIN, Q, WANG, Z, #YU, W K, SUN, D, ZHAO, J and YANG, M M, "Activation of multiple signaling pathways during the differentiation of mesenchymal stem cells cultured in a silicon nanowire microenvironment", *Nanomedicine-Nanotechnology Biology and Medicine*, 10(6), 2014, pp 1153-1163, doi: 10.1016/j.nano.2014.02.003.
- Conference papers*
- AL ZAHARNA Mazen M. M.** #ALQOUQA, I A S, #AL ZAHARNA, M and CHEUNG, H Y, "Anticancer effect of andrographolide on cell cycle, apoptosis and autophagy of human breast carcinoma cells", *10th International Postgraduate Symposium on Chinese medicine (ICMCM)*, Hong Kong, PRC, 12-14 August 2014.
- ALQOUQA Iyad A S** #ALQOUQA, I A S, #AL ZAHARNA, M and CHEUNG, H Y, "Anticancer effect of andrographolide on cell cycle, apoptosis and autophagy of human breast carcinoma cells", *10th International Postgraduate Symposium on Chinese medicine (ICMCM)*, Hong Kong, PRC, 12-14 August 2014.
- ASTHANA Pallavi** #ASTHANA, P, ZHANG, G, SHEIKH, K A and MA, C H E, "Therapeutic potential of heat shock protein 27 on Guillain-Barré syndrome", *Neuroscience 2014*, Society for Neuroscience, Washington D.C, USA, 15-19 November 2014.
- AU Ngan Pan, Bennett** KUMAR, G, #WANG, Y, #AU, N P B, MAK, Y L, CHAN, L L, LAM, K S P, CHAN, L H L and MA, C H E, "Pacific Ciguatoxin-1 modulates motor function and EEG activity in mice", *Neuroscience 2014*, Society for Neuroscience, Washington, USA, 15-19 November 2014.
- #AU, N P B, MAK, Y L, CHAN, L L, LAM, K S P and MA, C H E, "Pacific ciguatoxin-1 reduces regenerative capacity of peripheral neuron in vitro", *Neuroscience 2014*, Society for Neuroscience, Washington, USA, 15-19 November 2014.
- MA, C H E, #AU, N P B and KUMAR, G, "Temporal dynamic of accelerating axons and molecular determinants in peripheral nerve regeneration", *Neuroscience 2014*, Society for Neuroscience, Washington, USA, 15-19 November 2014.
- CAO Bing** MU, L, #WANG, J, #CAO, B, JELFS, B, YU, T, XU, X, YUE, J, CHAN, R H M, ZHANG, X and LI, Y, "Cognitive Impairment Associated with Asynchronous states of ACC neural circuit in Viscerally Hypersensitive Rats", *7th Shanghai International Conference of Gastroenterology*, PRC, 30-31 August 2014.
- MU, L, #WANG, J, #CAO, B, JELFS, B, YU, T, XU, X, YUE, J, CHAN, R H M and LI, Y, "Visceral Pain Impairs Cognitive Functions Disrupts Phase-locking and Synchronization in Anterior Cingulate Cortex in Rats", *1st Federation of Neurogastroenterology and Motility Society Meeting*, PRC, 5-7 September 2014.
- CHINE Virendra, Bhagawan** #CHINE, V B and MA, C H E, "Protective effect of hHsp27 on chemotherapy induced peripheral neuropathy in mice.", *Neuroscience 2014*, Society for Neuroscience, Washington DC, USA, 15-19 November 2014.
- FENG Jingyu** #FENG, J and HE, J, "Galanin induces visual response in the rat's auditory cortical neurons", *Neuroscience 2014*, USA, 15-19 November 2014.
- LI Li** CHENG, S H and #LI, L, "In vivo screening of traditional Chinese herbal medicine for estrogenic activities and their effects on breast cancer stem cells", *ISSCR 2015 Annual Meeting, Stockholm, Sweden, Sweden*, 24-27 June 2015.

Section A: Publications of PhD Students

- LI Linqiu** #LI, L and CHEUNG, H Y , "Collagen determination and its application for the authentication of tortoise shell", *Protein Science*, Vol 23, San Diego, CA, USA, 27-30 July 2014, p 200.
- LI Yuanyuan** HUANG, Y, #LI, Y, DI, R and CHEUNG, H Y , "Simultaneous Determination of Ginsenosides in Ginseng Folium Using a Hydrophilic Column Combined with Gradient Elution and HPLC–DAD detection", *13th Meeting of Consortium for Globalization of Chinese Medicine (CGCM)*, Beijing, PRC, 27-29 August 2014.
- DI, R, #LI, Y and CHEUNG, H Y , " β -cyclodextrin Mixed with Acetonitrile Facilitated Separation of Seven Flavonoids in Scutellariae Barbatae Herba by Capillary Zone Electrophoresis", *13th Meeting of Consortium for Globalization of Chinese Medicine (CGCM)*, Beijing, PRC, 27-29 August 2014.
- LU Danyi** ZHANG, Z, #LU, D, LI, X, CHEN, X, #SUN, W, GUO, Y, NG, G and HE, J , "Unconsciously implanted memory in the presence of cholecystokinin retrieved in a behaviorally relevant context", *Neuroscience 2014*, Society for Neuroscience, USA, 15 November 2014 - 19 July 2015.
- RAZA Chand** #RAZA, C, LEUNG, S Y K and MA, C H E , "*Antrodia cinnamomea* promotes neuritogenesis in mouse primary dorsal root ganglia neurons", *Neuroscience 2014*, Society for Neuroscience, Washington, DC, USA, 15-19 November 2014.
- SUN Wenjian** #SUN, W and HE, J , "Cholecystokinin enables artificial, cross-modal association in the neocortex", *Neuroscience 2014*, Society for neurosciences, USA, 15-19 November 2014.
- LI, X, ZHANG, Z, #SUN, W and HE, J , "Cholecystokinin enables neural plasticity in the auditory cortex", *Neuroscience 2014*, USA, 15-19 November 2014.
- ZHANG, Z, #LU, D, LI, X, CHEN, X, #SUN, W, GUO, Y, NG, G and HE, J , "Unconsciously implanted memory in the presence of cholecystokinin retrieved in a behaviorally relevant context", *Neuroscience 2014*, Society for Neuroscience, USA, 15 November 2014 - 19 July 2015.
- WANG Jun** MU, L, #WANG, J, #CAO, B, JELFS, B, YU, T, XU, X, YUE, J, CHAN, R H M, ZHANG, X and LI, Y , "Cognitive Impairment Associated with Asynchronous states of ACC neural circuit in Viscerally Hypersensitive Rats", *7th Shanghai International Conference of Gastroenterology*, PRC, 30-31 August 2014.
- MU, L, #WANG, J, #CAO, B, JELFS, B, YU, T, XU, X, YUE, J, CHAN, R H M and LI, Y , "Visceral Pain Impairs Cognitive Functions Disrupts Phase-locking and Synchronization in Anterior Cingulate Cortex in Rats", *1st Federation of Neurogastroenterology and Motility Society Meeting*, PRC, 5-7 September 2014.
- Patents, agreements, assignments and companies**
- LI Yuanyuan** CHEUNG, H Y, DI, R and #LI, Y , Process for Isolating Kukoamine, Patent No.: US9,012,687, United States Patent and Trademark Office, USA, 21 April 2015.
- All other outputs**
- AL ZAHARNA Mazen M. M.** #AL ZAHARNA, M , *The Combination Effect of Andrographolide and Taxifolin on Cell Proliferation, Cell Cycle, Apoptosis and Autophagy of HeLa Cells*, PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 4 September 2014.

Section A: Publications of PhD Students

- LI Li** #LI, L , *In Vivo Screening of Traditional Chinese Herbal Medicines for Estrogenic Activities and the Mechanistic Studies of Their Effects on Breast Cancer Cells*, PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 22 April 2015.
- LI Yuanyuan** #LI, Y , *Study on Phytochemical Profile of Lycii Cortex and the Key Components Responsible for Anti-type 2 Diabetes Mellitus*, PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 4 September 2014.
- LIU Dandan** #LIU, D , *Multifunctional Nanoparticles for Combined Thermotherapy and Chemotherapy of Lung Cancer*, PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 4 September 2014.
- YANG Mei** #YANG, M , *Phytochemical Profiles, Antioxidative and Anti-proliferative Activities of *Abrus cantoniensis* Hance*, PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 1 June 2015.

DEPARTMENT OF COMPUTER SCIENCE

Journal publications

- BAO Linchao** #BAO, L, YANG, Q and JIN, H , "Fast Edge-Preserving PatchMatch for Large Displacement Optical Flow", *IEEE Transactions on Image Processing*, 23(12), 31 December 2014, pp 4996-5006.
- CAI Yan** #JIA, C K, #CAI, Y, YU, Y T and TSE, T H , "5W+1H pattern: A perspective of systematic mapping studies and a case study on cloud software testing", *Journal of Systems and Software*, 7 February 2015, pp 1-14, doi: <http://dx.doi.org/10.1016/j.jss.2015.01.058>.
- #CAI, Y, #JIA, C K, #WU, S, ZHAI, K and CHAN, W K R , "ASN: A dynamic barrier-based approach to confirmation of deadlocks from warnings for large-scale multithreaded programs", *IEEE Transactions on Parallel and Distributed Systems*, 26(1), 2015, pp 13-23.
- CHEN Jiaxing, Jasmin** SONG, D, #CHEN, J J, CHEN, G, LI, N, LI, J, FAN, J, BU, D and LI, S , "Parameterized BLOSUM Matrices for Protein Alignment", *IEEE-ACM Transactions on Computational Biology and Bioinformatics*, 12(3), MAY-JUN 2015, pp 686-694, doi: 10.1109/TCBB.2014.2366126.
- DENG Fei** #DENG, F, WANG, L and LIU, X , "An efficient algorithm for the blocked pattern matching problem", *BIOINFORMATICS*, 31(4), Jan. 2015, pp 532-538.
- FAN Ying** CHEN, Z, #FAN, Y and WANG, L , "Faster exact computation of rSPR distance", *Journal of Combinatorial Optimization*, 29(3), 2015, pp 605-635.
- GUO, F, LI, S, #FAN, Y and WANG, L , "Identifying protein-protein binding sites with a combined energy function", *Current Protein & Peptide Science*, 15(6), 2014, pp 540-552.
- CHEN, Z, #FAN, Y and WANG, L , "Parameterized and approximation algorithms for finding two disjoint matchings", *Theoretical Computer Science*, Vol 556, Oct. 2014, pp 85-93.
- GAO Chengxi** WANG, X, WANG, X, CHE, H, LI, K, HUANG, M and #GAO, C , "An Intelligent Economic Approach for Dynamic Resource Allocation in Cloud Services", *IEEE Transactions on Cloud Computing*, PP(99), 28 April 2015, pp 1-14, doi: 10.1109/TCC.2015.2415776.

Section A: Publications of PhD Students

- GAO Wei** #GAO, W, KWONG, S and SANG, H , "Low-cost memory data scheduling method for reconfigurable FFT bit-reversal circuits", *Electronics Letters*, 51(3), 5 February 2015, pp 217-U40, doi: 10.1049/el.2014.3715.
- HE Shengfeng** #PANG, X, LAU, R W H, SONG, Z, LI, Y and #HE, S , "A Tool-Free Calibration Method for Turntable-based 3D Scanning Systems", *IEEE Computer Graphics and Applications*, 15 August 2014, pp 1-14.
- #HE, S, YANG, Q, LAU, R W H and YANG, M H , "Fast Weighted Histograms for Bilateral Filtering and Nearest Neighbor Searching", *IEEE Transactions on Circuits and Systems for Video Technology*, 7 May 2015, pp 1-12.
- DU, H, #HE, S, SHENG, B, MA, L and LAU, R W H , "Saliency-guided color-to-gray conversion using region-based optimization", *IEEE Transactions on Image Processing*, 24(1), 1 January 2015, pp 434-443.
- #HE, S, LAU, R W H, #LIU, W, #HUANG, Z and YANG, Q , "SuperCNN: A Superpixelwise Convolutional Neural Network for Salient Object Detection", *International Journal of Computer Vision*, 2015, pp 1-15.
- HUANG Zhe** #HUANG, Z, FU, H and LAU, R W H , "Data-driven segmentation and labeling of freehand sketches", *ACM Transactions on Graphics*, 33(6), December 2014, pp 175:1-175:10, doi: <http://dx.doi.org/10.1145/2661229.2661280>.
- #HUANG, Z, WANG, J, FU, H and LAU, R W H , "Structured Mechanical Collage", *IEEE Transactions on Visualization and Computer Graphics*, 20(7), July 2014, pp 1076-1082.
- #HE, S, LAU, R W H, #LIU, W, #HUANG, Z and YANG, Q , "SuperCNN: A Superpixelwise Convolutional Neural Network for Salient Object Detection", *International Journal of Computer Vision*, 2015, pp 1-15.
- JIA Changjiang** #JIA, C K, #CAI, Y, YU, Y T and TSE, T H , "5W+1H pattern: A perspective of systematic mapping studies and a case study on cloud software testing", *Journal of Systems and Software*, 7 February 2015, pp 1-14, doi: <http://dx.doi.org/10.1016/j.jss.2015.01.058>.
- #CAI, Y, #JIA, C K, #WU, S, ZHAI, K and CHAN, W K R , "ASN: A dynamic barrier-based approach to confirmation of deadlocks from warnings for large-scale multithreaded programs", *IEEE Transactions on Parallel and Distributed Systems*, 26(1), 2015, pp 13-23.
- JIA Dongyao** #JIA, D, ZHANG, R, LU, K, WANG, J, BI, Z and LEI, J , "Improving the Uplink Performance of Drive-Thru Internet Via Platoon-Based Cooperative Retransmission", *IEEE Transactions on Vehicular Technology*, 63(9), Nov 2014, pp 4536-4545.
- JIA Wenlong, Justin** HU, Z, ZHU, D, WANG, W, LI, W, #JIA, W J, ZENG, X, DING, W, YU, L, WANG, X, WANG, L, SHEN, H, ZHANG, C, LIU, H, LIU, X, ZHAO, Y, FANG, X, LI, S, CHEN, W, TANG, T, FU, A, WANG, Z, CHEN, G, GAO, Q, LI, S, XI, L, WANG, C, LIAO, S, MA, X, WU, P, LI, K, WANG, S, ZHOU, J, WANG, J, XU, X, WANG, H and MA, D , "Genome-wide profiling of HPV integration in cervical cancer identifies clustered genomic hot spots and a potential microhomology-mediated integration mechanism", *Nature Genetics*, 47(2), Spring 2015, pp 158-163, doi: 10.1038/ng.3178.

Section A: Publications of PhD Students

- KONG Xiangfei** #KONG, X, LI, K, CAO, J, YANG, Q and LIU, W , "HEp-2 Cell Pattern Classification with Discriminative Dictionary Learning", *Pattern Recognition*, 47(7), 31 July 2014, pp 2379-2388, doi: 10.1016/j.patcog.2013.09.025.
- LI Ke** #LI, K J and KWONG, S , "A general framework for evolutionary multiobjective optimization via manifold learning", *Neurocomputing*, Vol 146, 25 December 2014, pp 65-74, doi: 10.1016/j.neucom.2014.03.070.
- #LI, K J, ZHANG, Q, KWONG, S, LI, M and WANG, R , "Stable Matching-Based Selection in Evolutionary Multiobjective Optimization", *IEEE Transactions on Evolutionary Computation*, 18(6), December 2014, pp 909-923, doi: 10.1109/TEVC.2013.2293776.
- LI Qingan** LI, J, SHI, L, #LI, Q, XUE, J C and XU, Y , "Thread progress aware coherence adaption for hybrid cache coherence protocols", *IEEE Transactions on Parallel and Distributed Systems*, 25(10), 2014, pp 2697-2707.
- LI Sijin** #LI, S, LIU, Z and CHAN, A B , "Heterogeneous Multi-task Learning for Human Pose Estimation with Deep Convolutional Neural Network", *International Journal of Computer Vision*, 113(1), 26 September 2014, pp 19-36.
- LI Xiaodong** #LI, X, XIE, H, SONG, Y, ZHU, S, LI, Q and WANG, F L , "Does Summarization Help Stock Prediction? A News Impact Analysis", *IEEE Intelligent Systems*, 30(3), MAY-JUN 2015, pp 26-34.
- LIANG Kaitai** #YANG, A, #LIANG, K, #ZHUANG, Y H, WONG, D S and JIA, X , "A new unpredictability-based radio frequency identification forward privacy model and a provably secure construction", *SECURITY AND COMMUNICATION NETWORKS*, 0(0), 2015, pp 1-10.
- LIU Wenxi** KIM, S, GUY, S J, #LIU, W, WILKIE, D, LAU, R W H, LIN, M C and MANOCHA, D , "BRVO: Predicting pedestrian trajectories using velocity-space reasoning", *International Journal of Robotics Research*, 34(2), February 2015, pp 201-217.
- #LIU, W, CHAN, A B, LAU, R W H and MANOCH, D , "Leveraging long-term predictions and online learning in agent-based multiple person tracking", *IEEE Transactions on Circuits and Systems for Video Technology*, 25(3), 2015, pp 399-410.
- #HE, S, LAU, R W H, #LIU, W, #HUANG, Z and YANG, Q , "SuperCNN: A Superpixelwise Convolutional Neural Network for Salient Object Detection", *International Journal of Computer Vision*, 2015, pp 1-15.
- MUMTAZ Adeel** #MUMTAZ, A, COVIELLO, E, LANCKRIET, G R G and CHAN, A B , "A Scalable and Accurate Descriptor for Dynamic Textures Using Bag of System Trees", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 37(4), April 2015, pp 697-712, doi: 10.1109/TPAMI.2014.2359432.
- NAWAZ ALI G G Md** #NAWAZ ALI, G G M, LEE, C S V, CHAN, E, LI, M, LIU, K, LV, J and CHEN, J , "Admission Control-Based Multichannel Data Broadcasting for Real-Time Multi-Item Queries", *IEEE Transactions on Broadcasting*, 60(4), December 2014, pp 589-605, doi: 10.1109/TBC.2014.2364533.
- PAN Zhaoqing** #PAN, Z, ZHANG, Y and KWONG, S , "Efficient Motion and Disparity Estimation Optimization for Low Complexity Multiview Video Coding", *IEEE Transactions on Broadcasting*, 61(2), June 2015, pp 166-176, doi: 10.1109/TBC.2015.2419824.

Section A: Publications of PhD Students

#PAN, Z, KWONG, S, XU, L, ZHANG, Y and ZHAO, T , "Predictive and distribution-oriented fast motion estimation for H.264/AVC", *Journal of Real-Time Image Processing*, 9(4), December 2014, pp 597-607, doi: 10.1007/s11554-012-0264-7.

PANG Lei #PANG, L and NGO, C W , "Unsupervised celebrity face naming in web videos", *IEEE Transactions on Multimedia*, 17(6), 1 June 2015, pp 854-866.

PANG Xufang #PANG, X, LAU, R W H, SONG, Z, LI, Y and #HE, S , "A Tool-Free Calibration Method for Turntable-based 3D Scanning Systems", *IEEE Computer Graphics and Applications*, 15 August 2014, pp 1-14.

QI Wen DING, W, #QI, W, WANG, J and CHEN, B , "OpenSCaaS: an open service chain as a service platform toward the integration of SDN and NFV", *IEEE Network*, 29(3), 1 June 2015, pp 30-35, doi: 10.1109/MNET.2015.7113222.

QIU Keni #QIU, K, #ZHAO, M, XUE, J C and ORAILOGLU, A , "Branch prediction-directed dynamic instruction cache locking for embedded systems", *ACM Transactions on Embedded Computing Systems*, 13(5), 2014, pp 1-24.

RAO Yanghui LEI, J, #RAO, Y, LI, Q, QUAN, X and LIU, W , "Towards building a social emotion detection system for online news", *Future Generation Computer Systems*, Vol 37, July 2014, pp 438-448.

TAN Xiao LI, J, LIU, Z, CHEN, X, XHAFI, F, #TAN, X and WONG, D S , "L-EncDB: A lightweight framework for privacy-preserving data queries in cloud computing", *Knowledge-Based Systems*, Vol 79, 2014, pp 18-26, doi: 10.1016/j.knosys.2014.04.010.

TAO Liang #TAO, L, IP, H S H, WANG, Y and SHU, X , "Low rank approximation with sparse integration of multiple manifolds for data representation", *Applied Intelligence*, 42(3), April 2015, pp 430-446, doi: 10.1007/s10489-014-0600-7.

TSANG Wai Hung, Nelson LAM, K Y, NG, J K Y, WANG, J, KAM, C H C and #TSANG, W H N , "A Pervasive Promotion Model for Personalized Promotion Systems on Using WLAN Localization and NFC Techniques", *Mobile Information Systems*, Vol 2015, 2015, pp 626070-626082, doi: 10.1155/2015/626070.

WANG Jiantao #WANG, J, LAM, K Y, CHANG, Y, HSIEH, J and HUANG, P , "Block-Based Multi-Version B+-Tree for Flash-Based Embedded Database Systems", *IEEE Transactions on Computers*, 64(4), April 2015, pp 925-940, doi: 10.1109/TC.2014.2308213.

LAM, K Y, #ZHU, C, CHANG, Y, HSIEH, J, HUANG, P, POON, C K and #WANG, J , "Garbage collection of multi-version indexed data on flash memory", *Journal of Systems Architecture*, 60(8), September 2014, pp 630-643, doi: 10.1016/j.sysarc.2014.06.004.

WU Shangru #CAI, Y, #JIA, C K, #WU, S, ZHAI, K and CHAN, W K R , "ASN: A dynamic barrier-based approach to confirmation of deadlocks from warnings for large-scale multithreaded programs", *IEEE Transactions on Parallel and Distributed Systems*, 26(1), 2015, pp 13-23.

XIE Haoran CAI, Y, LI, Q, #XIE, H and MIN, H , "Exploring personalized searches using tag-based user profiles and resource profiles in folksonomy", *Neural Networks*, Vol 58, October 2014, pp 98-110.

Section A: Publications of PhD Students

- YANG Anjia** #YANG, A, #LIANG, K, #ZHUANG, Y H, WONG, D S and JIA, X, "A new unpredictability-based radio frequency identification forward privacy model and a provably secure construction", *SECURITY AND COMMUNICATION NETWORKS*, 0(0), 2015, pp 1-10.
- YANG Kan** #YANG, K and JIA, X, "Expressive, efficient, and revocable data access control for multi-authority cloud storage", *IEEE Transactions on Parallel and Distributed Systems*, 25(7), 2014, pp 1735-1744.
- YANG Lingling** #YANG, L L, LEUNG, W H H, PLANK, M, SNIDER, J and POIZNER, H, "EEG Activity During Movement Planning Encodes Upcoming Peak Speed and Acceleration and Improves the Accuracy in Predicting Hand Kinematics", *IEEE Journal of Biomedical and Health Informatics*, 19(1), January 2015, pp 22-28, doi: 10.1109/JBHI.2014.2327635.
- YAO Ting** YANG, X, ZHANG, Y, #YAO, T, NGO, C W and MEI, T, "Click-boosting multi-modality graph-based reranking for image search", *Multimedia Systems*, 21(2), 1 March 2015, pp 217-227.
- ZHANG Jiadong** #ZHANG, J and CHOW, C Y, "CoRe: Exploiting the personalized influence of two-dimensional geographic coordinates for location recommendations", *Information Sciences*, Vol 293, 6 September 2014, pp 163-181.
- ZHANG Qiang** #ZHANG, Q and LI, M, "Strategyproof mechanism design for facility location games with weighted agents on a line", *Journal of Combinatorial Optimization*, 28(4), November 2014, pp 756-773, doi: 10.1007/s10878-013-9598-8.
- ZHANG Wei** CHEN, Z, NGO, C W, #ZHANG, W, CAO, J and JIANG, Y -, "Name-face association in web videos: A large-scale dataset, baselines, and open issues", *Journal of Computer Science and Technology*, 29(5), 1 September 2014, pp 785-798.
- ZHANG Weichen** #ZHANG, W, SHANG, L and CHAN, A B, "A Robust Likelihood Function for 3D Human Pose Tracking", *IEEE Transactions on Image Processing*, Vol 23, 20 October 2014, pp 5374-5389.
- ZHAO Mengying** #QIU, K, #ZHAO, M, XUE, J C and ORAILOGLU, A, "Branch prediction-directed dynamic instruction cache locking for embedded systems", *ACM Transactions on Embedded Computing Systems*, 13(5), 2014, pp 1-24.
- LI, Q, LI, J, SHI, L, #ZHAO, M, XUE, J C and HE, Y, "Compiler-assisted STT-RAM-based hybrid cache for energy efficient embedded systems", *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, 22(8), 2014, pp 1829-1840.
- #ZHAO, M, JIANG, L, SHI, L, ZHANG, Y and XUE, J C, "Wear relief for high-density phase change memory through cell morphing considering process variation", *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, 34(2), 2015, pp 227-237.
- ZHENG Haixia** #ZHENG, H and IP, H S H, "Image classification and annotation based on robust regularized coding", *Signal Image and Video Processing*, -(), October 2014, p -, doi: 10.1007/s11760-014-0701-0.

Section A: Publications of PhD Students

- ZHENG Liang** LAI, I, #ZHENG, L, LEE, C and TAN, C W , "Beamforming Duality and Algorithms for Weighted Sum Rate Maximization in Cognitive Radio Networks", *IEEE Journal on Selected Areas in Communications*, 33(5), May 2015, pp 832-847, doi: 10.1109/JSAC.2014.2361079.
- ZHOU Liuyang** #ZHOU, L, SHANG, L, SHUM, H P H and LEUNG, W H H , "Human motion variation synthesis with multivariate Gaussian processes", *Computer Animation and Virtual Worlds*, 25(3-4), MAY-AUG 2014, pp 303-311, doi: 10.1002/cav.1599.
- ZHU Chunjiang** LAM, K Y, #ZHU, C, CHANG, Y, HSIEH, J, HUANG, P, POON, C K and #WANG, J , "Garbage collection of multi-version indexed data on flash memory", *Journal of Systems Architecture*, 60(8), September 2014, pp 630-643, doi: 10.1016/j.sysarc.2014.06.004.
- #ZHU, C, LAM, K Y, CHENG, R C K and POON, C K , "On using broadcast index for efficient execution of shortest path continuous queries", *Information Systems*, Vol 49, April 2015, pp 142-162, doi: 10.1016/j.is.2014.12.005.
- LAM, K Y, WANG, J, NG, J K, HAN, S, ZHENG, L, KAM, C H C and #ZHU, C , "SmartMood: Toward Pervasive Mood Tracking and Analysis for Manic Episode Detection", *IEEE TRANSACTIONS ON HUMAN-MACHINE SYSTEMS*, 45(1), February 2015, pp 126-131, doi: 10.1109/THMS.2014.2360469.
- ZHU Shiai** #ZHU, S, WEI, X - and NGO, C W , "Collaborative error reduction for hierarchical classification", *Computer Vision and Image Understanding*, Vol 124, 1 July 2014, pp 79-90.
- ZHUANG Yun Hui** #YANG, A, #LIANG, K, #ZHUANG, Y H, WONG, D S and JIA, X , "A new unpredictability-based radio frequency identification forward privacy model and a provably secure construction", *SECURITY AND COMMUNICATION NETWORKS*, 0(0), 2015, pp 1-10.
- Conference papers*
- AL-QADHI Mohammed Abdullah Ali** #AL-QADHI, M A A and KEUNG, W J , "Cloud-based support for global software engineering: potentials, risks, and gaps", *Innovative Software Development (InnoSWDev) at Foundation of Software Engineering Conference 2014*, Hong Kong, Hong Kong, PRC, 16-21 November 2014.
- BAO Linchao** #SONG, Y, #BAO, L, YANG, Q and YANG, M H , "Real-Time Exemplar-Based Face Sketch Synthesis", *European Conference on Computer Vision*, Switzerland, 8-11 September 2014, pp 800-813.
- BENNIN Kwabena, Ebo** #KHAN, A A, KEUNG, W J, #HUSSAIN, S and #BENNIN, K E , "Effects of Geographical, Socio-Cultural and Temporal distances on Communication in Global Software Development during Requirements Change Management: A Pilot Study", *ENASE 2015 - International Conference of Novel Approaches to Software Engineering*, Barcelona, Spain, 29-30 April 2015.
- CAO Ying** PANG, X, #CAO, Y, LAU, R W H and CHAN, A B , "A Robust Panel Extraction Method for Manga", *ACM Multimedia*, ACM, USA, 3-7 November 2014, pp 1125-1128.
- CHEN Jingjing** #ZHANG, W, #ZHANG, H, #YAO, T, #LU, Y, #CHEN, J and NGO, C W , "VIREO @ TRECVID 2014: Instance search and semantic indexing", *TRECVID Workshop*, USA, 10-12 November 2014.

Section A: Publications of PhD Students

- CHEN Mingliang** #CHEN, M, YANG, Q, LI, Q, WANG, G and YANG, M H , "Spatiotemporal Background Subtraction Using Minimum Spanning Tree and Optical Flow", *European Conference on Computer Vision*, Switzerland, 6-11 September 2014.
- CHENG Yingying, Tracy** #ZHANG, B, #WANG, J, WANG, X, #CHENG, Y T, JIA, X and HE, J , "AI3: Application-Independent Information Infrastructure", *SIGCOMM Conference*, Chicago, IL, USA, 17-22 August 2014, pp 145-146.
- #CHENG, Y T, #ZHANG, B, JIA, X, HE, J and LIU, S , "Application-Independent Information Infrastructure (AI3): Design and implementation", *2014 IEEE Globecom Workshops, GC Wkshps 2014*, USA, 8-12 December 2014, pp 264-269.
- CUI Helei** #CUI, H, #YUAN, X and WANG, C , "Harnessing Encrypted Data in Cloud for Secure and Efficient Image Sharing from Mobile Devices", *IEEE Conference on Computer Communications (INFOCOM)*, IEEE, Hong Kong, Hong Kong, PRC, 26 April - 1 May 2015, pp 2659-2667.
- DENG Yunhua** #DENG, Y H and #HUANG, Z , "A Multi-Server Approach for Large Scale Collaborative Game-Based Learning", *International Conference on Web-based Learning*, Estonia, 14-17 August 2014.
- #DENG, Y H, SHEN, S, #HUANG, Z, IOSUP, A and LAU, R W H , "Dynamic Resource Management in Cloud-based Distributed Virtual Environments", *ACM Multimedia*, ACM, USA, 3-7 November 2014, pp 1209-1212.
- FONG Chi Kit Ken** #FONG, C K K, LI, M, LIANG, H, YANG, L and YUAN, H , "Average-case complexity of the min-sum matrix product problem", *ISAAC 2014*, South Korea, 15-17 December 2014, pp 41-52.
- FU Chenchen** #FU, C, ZHAO, Y, LI, M and XUE, J C , "Maximizing common idle time on multi-core processors with shared memory", *DATE 2015*, France, 9-13 March 2015.
- #FU, C, LI, M and XUE, J C , "Race to idle or not: balancing the memory sleep time with DVS for energy minimization", *DATE 2015*, France, 9-13 March 2015, pp 13-18.
- #FU, C, #ZHAO, M, XUE, J C and ORAILOGLU, A , "Sleep-aware variable partitioning for energy-efficient hybrid PRAM and DRAM main memory", *2014 ACM/IEEE International Symposium on Low Power Electronics and Design, ISLPED 2014*, San Diego, CA, USA, 11-13 August 2014, pp 75-80.
- HE Shengfeng** #HE, S and LAU, R W H , "Saliency Detection with Flash and No-flash Image Pairs", *Proceedings of European Conference on Computer Vision (ECCV)*, Zurich, Switzerland, 6-12 September 2014.
- HUANG Zhe** #DENG, Y H and #HUANG, Z , "A Multi-Server Approach for Large Scale Collaborative Game-Based Learning", *International Conference on Web-based Learning*, Estonia, 14-17 August 2014.
- #LIU, W, #HUANG, Z, LAU, R W H and MANOCHA, D , "Data-driven sequential goal selection model for multi-agent simulation", *ACM Symposium on Virtual Reality Software and Technology*, ACM, Edinburgh, United Kingdom, 11-13 November 2014, pp 107-116.

Section A: Publications of PhD Students

#DENG, Y H, SHEN, S, #HUANG, Z, IOSUP, A and LAU, R W H, "Dynamic Resource Management in Cloud-based Distributed Virtual Environments", *ACM Multimedia*, ACM, USA, 3-7 November 2014, pp 1209-1212.

HUSSAIN Shahid

#KHAN, A A, KEUNG, W J, #HUSSAIN, S and #BENNIN, K E, "Effects of Geographical, Socio-Cultural and Temporal distances on Communication in Global Software Development during Requirements Change Management: A Pilot Study", *ENASE 2015 - International Conference of Novel Approaches to Software Engineering*, Barcelona, Spain, 29-30 April 2015.

JIA Changjiang

#JIA, C K, #YANG, C and CHAN, W K R, "Architecting Dynamic Data Race Detection as a Cloud-based Service", *Proceedings of 2015 IEEE 22nd International Conference on Web Services (ICWS 2015)*, IEEE, New York, Hong Kong, PRC, 27 June - 2 July 2015, pp 345-352.

JIANG Jinghua

ZHENG, Y, #YUAN, X, WANG, X, #JIANG, J, WANG, C and GUI, X, "Enabling Encrypted Cloud Media Center with Secure Deduplication", *ACM Symposium on Information, Computer and Communications Security*, Singapore, 14-17 April 2015.

KHAN Arif Ali

#KHAN, A A, KEUNG, W J, #HUSSAIN, S and #BENNIN, K E, "Effects of Geographical, Socio-Cultural and Temporal distances on Communication in Global Software Development during Requirements Change Management: A Pilot Study", *ENASE 2015 - International Conference of Novel Approaches to Software Engineering*, Barcelona, Spain, 29-30 April 2015.

LI Ke

CAO, J -, KWONG, S, WANG, R and #LI, K J, "AN indicator-based selection multi-objective evolutionary algorithm with preference for multi-class ensemble", *13th International Conference on Machine Learning and Cybernetics, ICMLC 2014*, PRC, 13-16 July 2014, pp 147-152.

LI Sijin

#LI, S and CHAN, A B, "3D human pose estimation from monocular images with deep convolutional neural network", *Asian Conference Computer Vision*, Singapore, November 2014.

LIU Wenxi

#LIU, W, #HUANG, Z, LAU, R W H and MANOCHA, D, "Data-driven sequential goal selection model for multi-agent simulation", *ACM Symposium on Virtual Reality Software and Technology*, ACM, Edinburgh, United Kingdom, 11-13 November 2014, pp 107-116.

LIU Zhen

#WANG, Y, WU, Q, WONG, D S, QIN, B, CHOW, S S M, #LIU, Z and #TAN, X, "Securely Outsourcing Exponentiations with Single Untrusted Program for Cloud Storage", *Computer Security - ESORICS 2014*, Poland, 7-11 September 2014.

LIU Zhiguang

#ZHOU, L, #LIU, Z, LEUNG, W H H and SHUM, H P H, "Posture reconstruction using kinect with a probabilistic model", *20th ACM Symposium on Virtual Reality Software and Technology, VRST 2014*, United Kingdom, 11-13 November 2014, pp 117-125.

LU Yijie

NGO, C W, #LU, Y, #ZHANG, H, #YAO, T, #TAN, C C, #PANG, L, DE BOER, M, SCHAVEMAKER, J, SCHUTTE, K and KRAAIJ, W, "VIREO-TNO @ TRECVID 2014: Multimedia event detection and recounting (MED and MER)", *TRECVID Workshop*, USA, 10-12 November 2014.

Section A: Publications of PhD Students

#ZHANG, W, #ZHANG, H, #YAO, T, #LU, Y, #CHEN, J and NGO, C W , "VIREO @ TRECVID 2014: Instance search and semantic indexing", *TRECVID Workshop*, USA, 10-12 November 2014.

LYU Yan

WANG, R, CHOW, C Y, NUTANONG, S, #LYU, Y, LI, Y, YUAN, M and LEE, C S V , "Exploring cell tower data dumps for supervised learning-based point-of-interest prediction", *Proceedings of the 22nd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, Texas, USA, 4-7 November 2014, pp 457-460.

#LYU, Y, CHOW, C Y, WANG, R and LEE, C S V , "Using multi-criteria decision making for personalized point-of-interest recommendations", *Proceedings of the 22nd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, Texas, USA, 4-7 November 2014, pp 461-464.

MA Yun

#MA, Y, LI, Q, #YANG, Z, LU, Z, PAN, H and CHAN, A B , "An SVD-based Multimodal Clustering method for Social Event Detection", *IEEE ICDE Workshops 2015*, South Korea, 13-17 April 2015, pp 202-209.

#YANG, Z, LI, Q, LU, Z, #MA, Y, GONG, Z and PAN, H , "Semi-supervised Multimodal Clustering Algorithm Integrating Label Signals for Social Event Detection", *2015 IEEE International Conference on Multimedia Big Data*, Peking University, Beijing, PRC, 20-22 April 2015, pp 32-39.

MA Zheng

#MA, Z, #YU, L and CHAN, A B , "Small Instance Detection by Integer Programming on Object Density Maps", *IEEE Conf. Computer Vision and Pattern Recognition (CVPR)*, Boston, USA, 8-10 June 2015.

MENG Weizhi

#MENG, Y, LI, W and KWOK, L F , "An Evaluation of Single Character Frequency-Based Exclusive Signature Matching in Distinct IDS Environments", *Proc 17th International Conference ISC 2014, LNCS 8783*, Hong Kong, PRC, 12-14 October 2014, pp 465-476.

LI, W, #MENG, Y and KWOK, L F , "Design of Intrusion Sensitivity-Based Trust Management Model for Collaborative Intrusion Detection Networks", *Proc IFIP WG 11.11 International Conference on Trust Management (IFIP TM 2014) IFIP AICT 430*, Singapore, 7-10 July 2014, pp 61-76.

PAN Zhaoqing

#PAN, Z, KWONG, S, ZHANG, Y, LEI, J and YUAN, H , "Fast Coding Tree Unit depth decision for high efficiency video coding", *2014 IEEE International Conference on Image Processing, ICIP 2014*, France, 27-30 October 2014, pp 3214-3218.

PANG Lei

#PANG, L and NGO, C W , "Multimodal learning with deep Boltzmann machine for emotion prediction in user generated videos", *ACM International Conference on Multimedia Retrieval*, PRC, 23-26 June 2015.

NGO, C W, #LU, Y, #ZHANG, H, #YAO, T, #TAN, C C, #PANG, L, DE BOER, M, SCHAVEMAKER, J, SCHUTTE, K and KRAAIJ, W , "VIREO-TNO @ TRECVID 2014: Multimedia event detection and recounting (MED and MER)", *TRECVID Workshop*, USA, 10-12 November 2014.

QI Wen

#ZHANG, R, #QI, W and WANG, J , "Cross-VM Covert Channel Risk Assessment for Cloud Computing: An Automated Capacity Profiler", *The 22nd IEEE International Conference on Network Protocols*, Raleigh, NC, USA, 21-24 October 2014.

Section A: Publications of PhD Students

- SHI Zhendong** #SHI, Z, KEUNG, W J and SONG, Q , "An empirical study of BM25 and BM25F based feature location techniques", *Innovative Software Development (InnoSWDev) at Foundation of Software Engineering Conference 2014*, Hong Kong, Hong Kong, PRC, 16-21 November 2014.
- SONG Yibing** #SONG, Y, #BAO, L, YANG, Q and YANG, M H , "Real-Time Exemplar-Based Face Sketch Synthesis", *European Conference on Computer Vision*, Switzerland, 8-11 September 2014, pp 800-813.
- TAN Chun Chet** NGO, C W, #LU, Y, #ZHANG, H, #YAO, T, #TAN, C C, #PANG, L, DE BOER, M, SCHAVEMAKER, J, SCHUTTE, K and KRAAIJ, W , "VIREO-TNO @ TRECVID 2014: Multimedia event detection and recounting (MED and MER)", *TRECVID Workshop*, USA, 10-12 November 2014.
- TAN Xiao** #WANG, Y, WU, Q, WONG, D S, QIN, B, CHOW, S S M, #LIU, Z and #TAN, X , "Securely Outsourcing Exponentiations with Single Untrusted Program for Cloud Storage", *Computer Security - ESORICS 2014*, Poland, 7-11 September 2014.
- TANG Chung Man** #TANG, C M, CHAN, W K R and YU, Y T , "Extending the theoretical fault localization effectiveness hierarchy with empirical results at different code abstraction levels", *38th Annual IEEE Computer Software and Applications Conference, COMPSAC 2014*, IEEE Computer Society, Västerås, Sweden, 21-25 July 2014, pp 161-170.
- TAO Liang** #TAO, L, IP, H S H, WANG, Y and SHU, X , "Ensemble Manifold Structured Low Rank Approximation for Data Representation", *22nd International Conference on Pattern Recognition (ICPR2014)*, Stockholm, Sweden, 24-28 August 2014, pp 744-749.
- #TAO, L, IP, H S H, WANG, Y and SHU, X , "Exploring Shared Subspace and Joint Sparsity for Canonical Correlation Analysis", *23rd ACM International Conference on Information and Knowledge Management (CIKM2014)*, Shanghai, PRC, 3-7 November 2014, pp 1887-1890, (DOI>10.1145/266 1829.2661970).
- WANG Jinfan** #ZHANG, B, #WANG, J, WANG, X, #CHENG, Y T, JIA, X and HE, J , "AI3: Application-Independent Information Infrastructure", *SIGCOMM Conference*, Chicago, IL, USA, 17-22 August 2014, pp 145-146.
- WANG Peng** #WANG, P and XU, H H , "Expeditus: Distributed Load Balancing with Global Congestion Information in Data Center Networks", *ACM CoNEXT 2014*, Australia, 2-5 December 2014.
- WANG Yujue** QIN, B, WANG, L, #WANG, Y, WU, Q, SHI, W and LIANG, B , "Efficient Sub-/Inter-Group Key Distribution for ad hoc Networks", *Network and System Security*, PRC, 15-17 October 2014.
- #WANG, Y, WU, Q, QIN, B, CHEN, X, HUANG, X and ZHOU, Y , "Group-oriented Proofs of Storage", *ASIA CCS '15*, Singapore, 14-17 April 2015.
- #WANG, Y, WU, Q, WONG, D S, QIN, B, CHOW, S S M, #LIU, Z and #TAN, X , "Securely Outsourcing Exponentiations with Single Untrusted Program for Cloud Storage", *Computer Security - ESORICS 2014*, Poland, 7-11 September 2014.

Section A: Publications of PhD Students

- WU Shangru** TSUI, T, #WU, S and CHAN, W K R, "Toward a methodology to expose partially fixed concurrency bugs in modified multithreaded programs", *Proceedings of the International Workshop on Innovative Software Development Methodologies and Practices (InnoSWDev 2014)*, ACM, Hong Kong, Hong Kong, PRC, 16-21 November 2014, pp 49-56.
- XIE Haoran** #ZOU, D, #XIE, H, LI, Q, WANG, F L and CHEN, W, "The Load-Based Learner Profile for Incidental Word Learning Task Generation", *International Conference on Web-based Learning (ICWL) 2014, LNCS vol. 8613*, Tallin, Estonia, 14-17 August 2014, pp 190-200.
- YANG Anjia** PAGNIN, E, #YANG, A, HANCKE, G P and MITROKOTSA, A, "Short: HB+DB: Mitigating Man-in-the-Middle Attacks Against HB+ with Distance Bounding", *8th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec)*, USA, 24-26 June 2015.
- YANG Chunbai** #JIA, C K, #YANG, C and CHAN, W K R, "Architecting Dynamic Data Race Detection as a Cloud-based Service", *Proceedings of 2015 IEEE 22nd International Conference on Web Services (ICWS 2015)*, IEEE, New York, Hong Kong, PRC, 27 June - 2 July 2015, pp 345-352.
- YANG Lingling** #YANG, L L, LEUNG, W H H, PLANK, M, SNIDER, J and POIZNER, H, "Alpha and beta band power changes predict reaction time and endpoint error during planning reaching movements", *7th International Conference on Biomedical Engineering and Informatics (BME 2014)*, Dalian, PRC, 14-16 October 2014, pp 264-268.
- YANG Zhenguo** #MA, Y, LI, Q, #YANG, Z, LU, Z, PAN, H and CHAN, A B, "An SVD-based Multimodal Clustering method for Social Event Detection", *IEEE ICDE Workshops 2015*, South Korea, 13-17 April 2015, pp 202-209.
- #YANG, Z, LI, Q, LU, Z, #MA, Y, GONG, Z and PAN, H, "Semi-supervised Multimodal Clustering Algorithm Integrating Label Signals for Social Event Detection", *2015 IEEE International Conference on Multimedia Big Data*, Peking University, Beijing, PRC, 20-22 April 2015, pp 32-39.
- YAO Ting** PAN, Y, #YAO, T, MEI, T, LI, H, NGO, C W and RUI, Y, "Click-through-based cross-view learning for image search", *37th International ACM SIGIR Conference on Research and Development in Information Retrieval, SIGIR 2014*, Gold Coast, QLD, Australia, 6-11 July 2014, pp 717-726.
- PAN, Y, #YAO, T, TIAN, X, LI, H and NGO, C W, "Click-through-based subspace learning for image search", *ACM Conference on Multimedia, MM 2014*, USA, 3-7 November 2014, pp 233-236.
- #YAO, T, PAN, Y, NGO, C W, LI, H and MEI, T, "Semi-supervised domain adaptation with subspace learning for visual recognition", *Computer Vision and Pattern Recognition*, USA, 7-12 June 2015.
- NGO, C W, #LU, Y, #ZHANG, H, #YAO, T, #TAN, C C, #PANG, L, DE BOER, M, SCHAVEMAKER, J, SCHUTTE, K and KRAAIJ, W, "VIREO-TNO @ TRECVID 2014: Multimedia event detection and recounting (MED and MER)", *TRECVID Workshop*, USA, 10-12 November 2014.
- #ZHANG, W, #ZHANG, H, #YAO, T, #LU, Y, #CHEN, J and NGO, C W, "VIREO @ TRECVID 2014: Instance search and semantic indexing", *TRECVID Workshop*, USA, 10-12 November 2014.

Section A: Publications of PhD Students

- YU Lei** #MA, Z, #YU, L and CHAN, A B , "Small Instance Detection by Integer Programming on Object Density Maps", *IEEE Conf. Computer Vision and Pattern Recognition (CVPR)*, Boston, USA, 8-10 June 2015.
- YUAN Xingliang** ZHENG, Y, #YUAN, X, WANG, X, #JIANG, J, WANG, C and GUI, X , "Enabling Encrypted Cloud Media Center with Secure Deduplication", *ACM Symposium on Information, Computer and Communications Security*, Singapore, 14-17 April 2015.
- #YUAN, X, WANG, C and REN, K , "Enabling IP Protection for Outsourced Integrated Circuit Design", *The 10th ACM Symposium on Information, Computer and Communications Security*, ACM, Singapore, Singapore, 14-17 April 2015, pp 237-247.
- #CUI, H, #YUAN, X and WANG, C , "Harnessing Encrypted Data in Cloud for Secure and Efficient Image Sharing from Mobile Devices", *IEEE Conference on Computer Communications (INFOCOM)*, IEEE, Hong Kong, Hong Kong, PRC, 26 April - 1 May 2015, pp 2659-2667.
- ZHANG Bo** #ZHANG, B, #WANG, J, WANG, X, #CHENG, Y T, JIA, X and HE, J , "AI3: Application-Independent Information Infrastructure", *SIGCOMM Conference*, Chicago, IL, USA, 17-22 August 2014, pp 145-146.
- #CHENG, Y T, #ZHANG, B, JIA, X, HE, J and LIU, S , "Application-Independent Information Infrastructure (AI3): Design and implementation", *2014 IEEE Globecom Workshops, GC Wkshps 2014*, USA, 8-12 December 2014, pp 264-269.
- ZHANG Hao** NGO, C W, #LU, Y, #ZHANG, H, #YAO, T, #TAN, C C, #PANG, L, DE BOER, M, SCHAVEMAKER, J, SCHUTTE, K and KRAAIJ, W , "VIREO-TNO @ TRECVID 2014: Multimedia event detection and recounting (MED and MER)", *TRECVID Workshop*, USA, 10-12 November 2014.
- #ZHANG, W, #ZHANG, H, #YAO, T, #LU, Y, #CHEN, J and NGO, C W , "VIREO @ TRECVID 2014: Instance search and semantic indexing", *TRECVID Workshop*, USA, 10-12 November 2014.
- ZHANG Jiadong** #ZHANG, J, GHINITA, G and CHOW, C Y , "Differentially private location recommendations in geosocial networks", *15th IEEE International Conference on Mobile Data Management, IEEE MDM 2014*, Brisbane, Australia, 15-18 July 2014, pp 59-68.
- #ZHANG, J, CHOW, C Y and LI, Y , "LORE: Exploiting Sequential Influence for Location Recommendations", *Proceedings of the 22nd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, ACM SIGSPATIAL, USA, 4-7 November 2014.
- ZHANG Rui** #ZHANG, R, #QI, W and WANG, J , "Cross-VM Covert Channel Risk Assessment for Cloud Computing: An Automated Capacity Profiler", *The 22nd IEEE International Conference on Network Protocols*, Raleigh, NC, USA, 21-24 October 2014.
- ZHANG Wei** #ZHANG, W, LI, H, NGO, C W and CHANG, S - , "Scalable visual instance mining with threads of features", *ACM Conference on Multimedia, MM 2014*, USA, 3-7 November 2014, pp 297-306.

Section A: Publications of PhD Students

#ZHANG, W, #ZHANG, H, #YAO, T, #LU, Y, #CHEN, J and #NGO, C W, "VIREO @ TRECVID 2014: Instance search and semantic indexing", *TRECVID Workshop*, USA, 10-12 November 2014.

ZHANG Xiao

#ZHANG, X, #ZHOU, Y, #ZHANG, Q, #LEE, C S V and #LI, M, "Multi-objective optimization of barrier coverage with wireless sensors", *8th International Conference on Evolutionary Multi-Criterion Optimization, EMO 2015*, Portugal, 29 March - 1 April 2015, pp 557-572.

#ZHANG, X, #POON, S H, #LI, M and #LEE, C S V, "On Maxmin Active Range Problem for Weighted Consistent Dynamic Map Labeling", *Geoprocessing 2015: The Seventh International Conference on Advanced Geographic Information Systems, Applications, and Services*, Portugal, 22-27 February 2015, pp 32-37.

ZHAO Mengying

#ZHAO, M, #SHI, L, #YANG, C and #XUE, J C, "Leveling to the last mile: Near-zero-cost bit level wear leveling for PCM-based main memory", *32nd IEEE International Conference on Computer Design, ICCD 2014*, South Korea, 19-22 October 2014, pp 16-21.

#ZHAO, M, #XUE, Y, #YANG, C and #XUE, J C, "Minimizing MLC PCM write energy for free through profiling-based state remapping", *2015 20th Asia and South Pacific Design Automation Conference, ASP-DAC 2015*, USA, 19-22 January 2015, pp 502-507.

#FU, C, #ZHAO, M, #XUE, J C and #ORAILOGLU, A, "Sleep-aware variable partitioning for energy-efficient hybrid PRAM and DRAM main memory", *2014 ACM/IEEE International Symposium on Low Power Electronics and Design, ISLPED 2014*, San Diego, CA, USA, 11-13 August 2014, pp 75-80.

ZHENG Liang

#ZHENG, L, #JOE-WONG, C, #TAN, C W, #HA, S and #CHIANG, M, "Secondary Markets for Mobile Data: Feasibility and Benefits of Traded Data Plans", *The 34th Annual IEEE International Conference on Computer Communications*, Hong Kong, PRC, 26 April - 1 May 2015.

ZHOU Liuyang

#ZHOU, L, #LIU, Z, #LEUNG, W H H and #SHUM, H P H, "Posture reconstruction using kinect with a probabilistic model", *20th ACM Symposium on Virtual Reality Software and Technology, VRST 2014*, United Kingdom, 11-13 November 2014, pp 117-125.

ZHOU Yu

#ZHANG, X, #ZHOU, Y, #ZHANG, Q, #LEE, C S V and #LI, M, "Multi-objective optimization of barrier coverage with wireless sensors", *8th International Conference on Evolutionary Multi-Criterion Optimization, EMO 2015*, Portugal, 29 March - 1 April 2015, pp 557-572.

Creative and literary works, consulting reports and case studies

MUMTAZ Adeel

#CHAN, A B and #MUMTAZ, A, "libdt: OpenCV Library for Dynamic Textures", Open Source, Hong Kong, PRC, 15 December 2014.

All other outputs

BAO Linchao

#BAO, L, *Edge-Preserving Image Filtering and Applications*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 19 December 2014.

CAI Yan

#CAI, Y, *Dynamic Analysis for Concurrency Bugs in Multithreaded Programs*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 6 August 2014.

Section A: Publications of PhD Students

- CAO Ying** #CAO, Y , "Look Over Here: Attention-Directing Composition of Manga Elements", 1st Runner-up in the Graduate Student Research Paper Competition 2013-14, IEEE (HK) Computational Intelligence Chapter, September 2014.
- #CAO, Y , *Data Driven Manga Layout and Composition: Models and Methods*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 19 December 2014.
- CHAN Chun Pong** #CHAN, C P , *Modeling of Close Interactions between Characters for Multiple Character Motion Synthesis and Interactive Application*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 6 August 2014.
- DENG Fei** #DENG, F , *Phylogenetic Tree Reconciliation, Haplotype Assembly and Blocked Pattern Matching*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 25 July 2014.
- DENG Yunhua** #DENG, Y H , *Workload and Resource Management in Distributed Virtual Environments*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.
- FAN Ying** #FAN, Y , *Classification on Major Histocompatibility Complex II Molecules*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 7 August 2014.
- HUANG Zhe** #HUANG, Z , *Assembly-based 3D Modeling Using Discrete Optimization*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 30 September 2014.
- JIA Changjiang** #JIA, C K , *A Family of Cost-Effective Test Coverage Strategies for Multithreaded Programs and Web Services*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 12 June 2015.
- JIA Dongyao** #JIA, D , *Research on Fundamental Issues in Platoon-based Vehicular Cyber-physical Systems*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 28 October 2014.
- LI Ke** #LI, K J , *Techniques for Achieving Balance between Convergence and Diversity in Decomposition Multiobjective Optimization*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 22 July 2014.
- LI Xiaodong** #LI, X , *News Impact Analysis in Algorithmic Trading*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.
- LIANG Kaitai** #LIANG, K , *Efficient and Secure Encrypted Data Sharing Using Proxy Re-Encryption*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 31 July 2014.
- LIU Wenxi** #LIU, W , *Acquisition, Simulation and Evaluation of Crowd Motion*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 17 September 2014.

Section A: Publications of PhD Students

- MUMTAZ Adeel** #MUMTAZ, A , *Scalable and Accurate Dynamic Texture Models with Applications to Computer Vision*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 17 December 2014.
- QIU Bite** #QIU, B , *Combating Real Phishing: Target Detection and Applications*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 13 August 2014.
- RAO Yanghui** #RAO, Y , *Statistical Models for Social Emotion and Emerging Event Detection from Online News*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.
- SHI Changhong** #SHI, C , *The Structure and Function of Biological Network Motifs*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 7 August 2014.
- SONG Yibing** #SONG, Y , *Edge Preserving Image Manipulation in Computational Photography*, MPhil Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 18 August 2014.
- SU Xiaojun** #SU, X , *Target Acquisition Techniques in Human Computer Interaction*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 29 January 2015.
- TAN Chun Chet** #TAN, C C , *Video Content Recounting by Commonsense Knowledge*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 15 January 2015.
- TANG Xing** #TANG, X , *Opportunistic Routing in Cognitive Radio Networks and Collaborative Relay WLANs*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 17 December 2014.
- TAO Liang** #TAO, L , *Representation Learning with Low-Rankness and Structural Sparsity for Multimedia Understanding*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 29 January 2015.
- WANG Peng** #WANG, P , "Expeditus: Distributed Load Balancing with Global Congestion Information in Data Centre Networks", Best Paper Award in the Student Workshop held in conjunction with the 10th International Conference on Emerging Networking Experiments and Technologies (ACM CoNext 2014), ACM SIGCOMM, Australia, 14 November 2014.
- XIE Ruitao** #XIE, R T , *Algorithm Optimization in Wireless Sensor Networks and Data Center Networks*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 11 September 2014.
- YANG Lingling** #YANG, L L , *Brain Computer Interfaces (BCIs) Study: From an Online BCI Game Development to the Improvement of BCI Performance in System and Brain Signal Aspects*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 28 October 2014.
- YAO Ting** #YAO, T , *Multimedia Search by Self, External, and Crowdsourcing Knowledge*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 16 September 2014.

Section A: Publications of PhD Students

PAN, Y, #YAO, T, TIAN, X, LI, H and NGO, C W , Third Place Winner in MSR-Bing Image Retrieval Challenge, ACM Multimedia 2014, 3 November 2014.

ZHANG Wei #ZHANG, W , *Searching and Mining Visual Instances in Large Scale Video Collection*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 28 April 2015.

ZHAO Mengying #ZHAO, M , *Optimizing Phase Change Memory for Application Specific Systems*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 25 June 2015.

ZHENG Haixia #ZHENG, H , *Image Understanding Based on Sparse Coding and Semi-supervised Learning*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.

ZHENG Liang #ZHENG, L , *Utility Maximization and Algorithms in Software-defined Radio Networks by Nonlinear Perron-Frobenius Theory*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 29 May 2015.

ZHENG Qian Ru #ZHENG, Q R , *Making Serendipitous Recommendation by Providing Less Obvious Items*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 19 August 2014.

ZHOU Liuyang #ZHOU, L , *Modeling of Single Character Motions with Temporal Sparse Representation and Gaussian Processes for Human Motion Retrieval and Synthesis*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 18 August 2014.

ZHU Chunjiang #ZHU, C , *Efficient Executions of Shortest Path Queries Using Data Broadcast*, PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 27 November 2014.

DEPARTMENT OF ELECTRONIC ENGINEERING

Scholarly books, monographs and chapters

FENG Ruibin WAN, W Y, LEUNG, C S A, #HAN, Z and #FENG, R B , "Online Learning for Faulty RBF Networks with the Concurrent Fault", *Neural Information Processing Lecture Notes in Computer Science*, Vol 8834, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, United Kingdom, 1 November 2014, pp 271-278.

#HAN, Z, #FENG, R B, #HUANG, L, #XIAO, Y, LEUNG, C S A and SO, H C , "Tensor completion based on structural information", *Neural Information Processing*, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, Malaysia, 1 November 2014, pp 479-486.

#FENG, R B, LEUNG, C S A, NG, K T and SUM, J , "The Performance of the Stochastic DNN-k WTA Network", *Neural Information Processing Lecture Notes in Computer Science*, Vol 8834, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, United Kingdom, 1 November 2014, pp 279-286.

Section A: Publications of PhD Students

- HAN Zifa** WAN, W Y, LEUNG, C S A, #HAN, Z and #FENG, R B , "Online Learning for Faulty RBF Networks with the Concurrent Fault", *Neural Information Processing Lecture Notes in Computer Science*, Vol 8834, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, United Kingdom, 1 November 2014, pp 271-278.
- #HAN, Z, #FENG, R B, #HUANG, L, #XIAO, Y, LEUNG, C S A and SO, H C , "Tensor completion based on structural information", *Neural Information Processing*, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, Malaysia, 1 November 2014, pp 479-486.
- HOU Ling** #HOU, L, YEUNG, K H and WONG, K Y , "Energy-Efficient Routing Protocol for Cognitive Radio Ad-hoc Networks : A Q-learning Approach", *Cognitive Networks: Applications and Deployments*, Jaime Lloret Mauri, Kayhan Zrar Ghafoor, Danda B. Rawat, Javier Manuel Aguiar Perez (ed), CRC Press, 9 December 2014.
- HUANG Longting** #HAN, Z, #FENG, R B, #HUANG, L, #XIAO, Y, LEUNG, C S A and SO, H C , "Tensor completion based on structural information", *Neural Information Processing*, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, Malaysia, 1 November 2014, pp 479-486.
- JOSEPH Andreas, Christian** #JOSEPH, A C and CHEN, G R , "Newwork centrality and key economic indicators: A case study", *Network Models in Economics and Finance*, V. A. Kalyagin, P. M. Pardalos and T. M. Bassias (ed), Springer, Germany, October 2014, Chapter 9, pp 159-180.
- #JOSEPH, A C and CHEN, G R , "The composite centrality framework", *Complex Networks and their Applications*, H. Cherifi (ed), Cambridge Schoolars, United Kingdom, October 2014, pp 212-244.
- XIAO Yi** #HAN, Z, #FENG, R B, #HUANG, L, #XIAO, Y, LEUNG, C S A and SO, H C , "Tensor completion based on structural information", *Neural Information Processing*, Chu Kiong Loo, Yap Keem Siah and Kevin Kok Wai Wong et al. (eds), Springer, Malaysia, 1 November 2014, pp 479-486.
- Journal publications*
- AMIN Md. Ashraful** AHMED, M I, #AMIN, M A, POON, B and YAN, H , "Retina based biometric authentication using phase congruency", *International Journal of Machine Learning and Cybernetics*, 5(6), December 2014, pp 933-945, doi: 10.1007/s13042-013-0179-z.
- CHEN Baojie** #QU, S W, WU, W W, #CHEN, B J, YI, H, BAI, X, #NG, K B and CHAN, C H , "Controlling Dispersion Characteristics of Terahertz Metasurface", *Scientific Reports*, Vol 5, 23 March 2015, p 9367, doi: 10.1038/srep09367.
- CHEN Donglong** #CHEN, D, MENTENS, N, VERCAUTEREN, F, ROY, S S, CHEUNG, C C R, PAO, D C W and VERBAUWHEDE, I , "High-speed polynomial multiplication architecture for ring-LWE and SHE cryptosystems", *IEEE Transactions on Circuits and Systems I-Regular Papers*, 62(1), January 2015, pp 157-166.
- CHEN Jiongze** #CHEN, J, ADDIE, R G, ZUKERMAN, M and NEAME, T D , "Performance Evaluation of a Queue Fed by a Poisson Lomax Burst Process", *IEEE Communications Letters*, 19(3), March 2015, pp 367-370, doi: 10.1109/LCOMM.2014.2385083.

Section A: Publications of PhD Students

#CHEN, J, BHATIA, H S, ADDIE, R G and ZUKERMAN, M, "Statistical characteristics of queue with fractional Brownian motion input", *Electronics Letters*, 51(9), 30 April 2015, pp 699-701.

CHEN Long HO, V W S, WONG MING-KIN, AN, X, GUAN, D, SHAO, J, NG, H C K, REN, X, HE, K, LIAO, J, ANG, Y, #CHEN, L, #HUANG, X, YAN, B, XIA, Y, CHAN, L H L, CHOW, K L, YAN, H and ZHAO, Z, "Systems-level quantification of division timing reveals a common genetic architecture controlling asynchrony and fate asymmetry", *Molecular Systems Biology*, Vol 11, 10 June 2015, p 814.

CHEN Shaobo #CHEN, S and LUK, K M, "A Dual-Mode Wideband MIMO Cube Antenna With Magneto-Electric Dipoles", *IEEE Transactions on Antennas and Propagation*, 62(12), 19 September 2014, pp 5951-5959.

CHEN Yuan #CHEN, Y and SO, H C, "Accurate Parameter Estimation for Unbalanced Three-Phase System", *The Scientific World Journal*, Vol 2014, 15 August 2014.

#CHEN, Y, KURUOGLU, E E and SO, H C, "Optimum linear regression in additive Cauchy-Gaussian noise", *Signal Processing*, Vol 106, January 2015, pp 312-318, doi: 10.1016/j.sigpro.2014.07.028.

CHI Haoran LEE, W C, HUNG, F H, TSANG, K F, WU, C K, #CHI, H H, #CHUI, K T J and LAU, W H R, "High accuracy localization of Long Term Evolution based on a new multiple carrier noise model", *Sensors*, 14(12), November 2014, pp 22613-22618.

LEE, W C, HUNG, F H, TSANG, K F, WU, C K, #CHI, H H, #CHUI, K T J and LAU, W H R, "High Accuracy Localization of Long Term Evolution Based on a New Multiple Carrier Noise Model", *Sensors*, 14(1), November 2014, pp 1245-1251.

CHOW Po Wa #CHOW, P W, CHEN, N, CHUNG, S H H and CHAN, L H L, "An Investigation into the Use of Orthogonal Winding in Loosely Coupled Link for Improving Power Transfer Efficiency Under Coil Misalignment", *IEEE Transactions on Power Electronics*, 30(10), November 2014, pp 5632-5649.

CHUI Kwok Tai LEE, W C, HUNG, F H, TSANG, K F, WU, C K, #CHI, H H, #CHUI, K T J and LAU, W H R, "High accuracy localization of Long Term Evolution based on a new multiple carrier noise model", *Sensors*, 14(12), November 2014, pp 22613-22618.

LEE, W C, HUNG, F H, TSANG, K F, WU, C K, #CHI, H H, #CHUI, K T J and LAU, W H R, "High Accuracy Localization of Long Term Evolution Based on a New Multiple Carrier Noise Model", *Sensors*, 14(1), November 2014, pp 1245-1251.

DONG Jianglii #DONG, J and CHIANG, K S, "Mode-locked fiber laser with transverse-mode selection based on a Two-mode FBG", *IEEE Photonics Technology Letters*, 26(17), 1 September 2014, pp 1766-1769.

#DONG, J and CHIANG, K S, "Temperature-insensitive mode converters with CO₂-laser written long-period fiber gratings", *IEEE Photonics Technology Letters*, 27(9), 1 May 2015, pp 1006-1009.

FENG Litong #FENG, L, PO, L M, #XU, X, #LI, Y and MA, R, "Motion-Resistant Remote Imaging Photoplethysmography Based on the Optical Properties of Skin", *IEEE Transactions on Circuits and Systems for Video Technology*, 25(5), 22 October 2014, pp 879-891.

Section A: Publications of PhD Students

#LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W , "No-reference image quality assessment with shearlet transform and deep neural networks", *Neurocomputing*, Vol 154, 22 April 2015, pp 94-109, doi: 10.1016/j.neucom.2014.12.015.

#LI, Y, PO, L M, CHEUNG, C H T, #XU, X, #FENG, L, #YUAN, F and CHEUNG, K W , "No-Reference Video Quality Assessment with 3D Shearlet Transform and Convolutional Neural Networks", *IEEE Transactions on Circuits and Systems for Video Technology*, 6 May 2015, doi: 10.1109/TCSVT.2015.2430711.

FENG Ruibin

#FENG, R B, #XIAO, Y, LEUNG, C S A, TSANG, P W M and SUM, J , "An Improved Fault-Tolerant Objective Function and Learning Algorithm for Training the Radial Basis Function Neural Network", *COGNITIVE COMPUTATION*, 6(3), September 2014, pp 293-303.

#XIAO, Y, #FENG, R B, #HAN, Z and LEUNG, C S A , "GPU Accelerated Self-Organizing Map for High Dimensional Data", *Neural Processing Letters*, 4(3), 1 June 2015, pp 341-355.

#HAN, Z, #FENG, R B, WAN, W Y and LEUNG , "Online training and its convergence for faulty networks with multiplicative weight noise", *Neurocomputing*, Vol 155, 1 May 2015, pp 53-61.

FOUZDER Tama

#FOUZDER, T, CHAN, Y C A and CHAN, D K , "Influence of cerium oxide (CeO₂) nanoparticles on the microstructure and hardness of tin–silver–copper (Sn–Ag–Cu) solders on silver (Ag) surface-finished copper (Cu) substrates", *Journal of Materials Science-Materials in Electronics*, 25(12), December 2014, pp 5375-5387, doi: 10.1007/s10854-014-2316-1.

#FOUZDER, T, #LI, Q, CHAN, Y C A and CHAN, D K , "Interfacial microstructure and hardness of nickel (Ni) nanoparticle-doped tin-silver-copper (Sn-Ag-Cu) solders on immersion silver (Ag)-plated copper (Cu) substrates", *Journal of Materials Science-Materials in Electronics*, 25(9), September 2014, pp 4012-4023, doi: 10.1007/s10854-014-2123-8.

GAO Yayu

#GAO, Y, SUN, X and DAI, L , "IEEE 802.11e EDCA Networks: Modeling, Differentiation and Optimization", *IEEE Transactions on Wireless Communications*, 13(7), July 2014, pp 3863-3879.

GAO Yuan

#GAO, Y, CHEN, G R and CHAN, R H M , "Naming Game on Networks: Let Everyone be Both Speaker and Hearer", *Scientific Reports*, Vol 4, 21 August 2014, pp 6149(1)-6149(9), doi: 10.1038/srep06149.

GE Lei

#GE, L and LUK, K M , "A Three-Element Linear Magneto-Electric Dipole Array With Beamwidth Reconfiguration", *IEEE Antennas and Wireless Propagation Letters*, Vol 14, January 2015, pp 28-31.

HAN Zifa

#XIAO, Y, #FENG, R B, #HAN, Z and LEUNG, C S A , "GPU Accelerated Self-Organizing Map for High Dimensional Data", *Neural Processing Letters*, 4(3), 1 June 2015, pp 341-355.

#HAN, Z, #FENG, R B, WAN, W Y and LEUNG , "Online training and its convergence for faulty networks with multiplicative weight noise", *Neurocomputing*, Vol 155, 1 May 2015, pp 53-61.

Section A: Publications of PhD Students

- HE Yuanbin** WU, W, SUN, Y, LIN, Z, #HE, Y, HUANG, M, BLAABJERG, F and CHUNG, S H H, "A Modified LLCL-filter with the Reduced Conducted EMI Noise", *IEEE Transactions on Power Electronics*, 29(7), July 2014, pp 3393-3402, doi: 10.1109/TPEL.2013.2280672.
- HOU Zhangju** #HOU, Z, CHIU, L and XUE, Q, "High-frequency wideband quadrature coupler using transformer and lumped elements", *Electronics Letters*, 50(25), 4 December 2014, pp 1954-1955, doi: 10.1049/el.2014.2216.
- HU Jingwei** #HU, J, GUO, W, WEI, J and CHEUNG, R C C, "Fast and Generic Inversion Architectures Over GF(2^m) Using Modified Itoh-Tsujii Algorithms", *IEEE Transactions on Circuits and Systems II-Express Briefs*, 62(4), April 2015, pp 367-371.
- HU Xiao** #HU, X and CHAN, Y C A, "Reinforced solder joint performance by incorporation of ZrO₂ nanoparticles in electroless Ni-P composite layer", *Journal of Materials Research*, 29(22), November 2014, pp 2657-2666, doi: 10.1557/jmr.2014.310.
- HUANG Longting** CHAN, K W F, SO, H C, HUANG, L and #HUANG, L, "Underdetermined direction-of-departure and direction-of-arrival estimation in bistatic multiple-input multiple-output radar", *Signal Processing*, Vol 104, November 2014, pp 284-290, doi: 10.1016/j.sigpro.2014.04.019.
- HUANG Xiaotai** HO, V W S, WONG MING-KIN, AN, X, GUAN, D, SHAO, J, NG, H C K, REN, X, HE, K, LIAO, J, ANG, Y, #CHEN, L, #HUANG, X, YAN, B, XIA, Y, CHAN, L H L, CHOW, K L, YAN, H and ZHAO, Z, "Systems-level quantification of division timing reveals a common genetic architecture controlling asynchrony and fate asymmetry", *Molecular Systems Biology*, Vol 11, 10 June 2015, p 814.
- JAISWAL Manish Kumar** #JAISWAL, M K, CHEUNG, C C R, BALAKRISHNAN, M and PAUL, K, "Unified Architecture for Double/Two-Parallel Single Precision Floating Point Adder", *IEEE Transactions on Circuits and Systems II-Express Briefs*, 61(7), July 2014, pp 521-525.
- JIAO Shuming** #JIAO, S, TSANG, P W M, POON, T -, LIU, J -, LEE, C - and #LAM, Y K, "Automatic decomposition of a complex hologram based on the virtual diffraction plane framework", *JOURNAL OF OPTICS*, 16(7), 2014, p 075401.
- #JIAO, S and YOSHIKAWA, H, "Fast computer simulation of reconstructed image from rainbow hologram based on GPU", *Optical Review*, Vol IWH2014, 31 May 2015, pp 1-3.
- #JIAO, S, TSANG, P W M and POON, T C, "Restoration of digital off-axis Fresnel hologram by exemplar and search based image inpainting with enhanced computing speed", *Computer Physics Communications*, Vol 193, 2015, pp 30-37.
- JOSEPH Andreas, Christian** #YAN, F, YEUNG, K H, #JOSEPH, A C and CHEN, G R, "Degree-energy-based local random routing strategies for sensor networks", *Communications in Nonlinear Science and Numerical Simulation*, Vol 20, January 2015, pp 250-262.
- LAM Yau King** #JIAO, S, TSANG, P W M, POON, T -, LIU, J -, LEE, C - and #LAM, Y K, "Automatic decomposition of a complex hologram based on the virtual diffraction plane framework", *JOURNAL OF OPTICS*, 16(7), 2014, p 075401.
- LEE Wai Ki** #LEE, W K, LEUNG, K W and CHOW, Y L, "Dual polarization slotted miniature wideband patch antenna", *IEEE Transactions on Antennas and Propagation*, 63(1), January 2015, pp 353-357.

Section A: Publications of PhD Students

- LI Mingjian** #LI, M and LUK, K M , "A low-profile, low-backlobe and wideband complementary antenna for wireless application", *IEEE Transactions on Antennas and Propagation*, 63(1), January 2015, pp 7-14.
- #LI, M and LUK, K M , "Wideband magnetolectric dipole antennas with dual polarization and circular polarization", *IEEE Antennas and Propagation Magazine*, 57(1), February 2015, pp 110-119.
- LI Qingqian** #SUN, H, #LI, Q and CHAN, Y C A , "A study of Ag additive methods by comparing mechanical properties between Sn57.6Bi0.4Ag and 0.4 wt% nano-Ag-doped Sn58Bi BGA solder joints", *Journal of Materials Science-Materials in Electronics*, 25(10), October 2014, pp 4380-4390, doi: 10.1007/s10854-014-2177-7.
- #FOUZDER, T, #LI, Q, CHAN, Y C A and CHAN, D K , "Interfacial microstructure and hardness of nickel (Ni) nanoparticle-doped tin-silver-copper (Sn-Ag-Cu) solders on immersion silver (Ag)-plated copper (Cu) substrates", *Journal of Materials Science-Materials in Electronics*, 25(9), September 2014, pp 4012-4023, doi: 10.1007/s10854-014-2123-8.
- LI Songsui** ZHONG, Z Q, #LI, S, CHAN, S C, XIA, G Q and WU, Z M , "Polarization-resolved time-delay signatures of chaos induced by FBG-feedback in VCSEL", *Optics Express*, 23(12), 3 June 2015, pp 15459-15468.
- LI Xiaozhou** WANG, X, #LI, X Z, CHAN, S C and WONG, K K Y , "Modulation instability in a highly nonlinear fiber for discrete-time pulsed random bit generation", *Optics Letters*, 40(11), June 2015, pp 2665-2667.
- LI Yee Shing, Benjamin** #LI, Y S B, YEUNG, L F L and KO, K T , "Indefinite kernel ridge regression and its application on QSAR modelling", *Neurocomputing*, Issue 158, 12 February 2015, pp 127-133.
- LI Yi** #LI, Y and CHAN, Y C A , "Effect of silver (Ag) nanoparticle size on the microstructure and mechanical properties of Sn58Bi-Ag composite solders", *Journal of Alloys and Compounds*, Vol 645, 9 May 2015, pp 566-576, doi: 10.1016/j.jallcom.2015.05.023.
- LI Yujian** #LI, Y and LUK, K M , "A water dense dielectric patch antenna", *IEEE Access*, Vol 3, 6 April 2015, pp 274-280.
- LI Yuming** #FENG, L, PO, L M, #XU, X, #LI, Y and MA, R , "Motion-Resistant Remote Imaging Photoplethysmography Based on the Optical Properties of Skin", *IEEE Transactions on Circuits and Systems for Video Technology*, 25(5), 22 October 2014, pp 879-891.
- #LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W , "No-reference image quality assessment with shearlet transform and deep neural networks", *Neurocomputing*, Vol 154, 22 April 2015, pp 94-109, doi: 10.1016/j.neucom.2014.12.015.
- #LI, Y, PO, L M, CHEUNG, C H T, #XU, X, #FENG, L, #YUAN, F and CHEUNG, K W , "No-Reference Video Quality Assessment with 3D Shearlet Transform and Convolutional Neural Networks", *IEEE Transactions on Circuits and Systems for Video Technology*, 6 May 2015, doi: 10.1109/TCSVT.2015.2430711.

Section A: Publications of PhD Students

- LIN Lanxin** #LIN, L, SO, H C and CHAN, K W F, "Multidimensional scaling approach for node localization using received signal strength measurements", *Digital Signal Processing*, Vol 34, November 2014, pp 39-47, doi: 10.1016/j.dsp.2014.07.008.
- LIN Qiuzhen** #LIN, Q, WONG, K W, LI, M and CHEN, J, "An Effective Error Correction Scheme for Arithmetic Coding", *Mathematical Problems in Engineering*, Vol 2015, 1 May 2015, pp 1-11.
- LIN Wei** #LIN, W and WONG, H S, "Circularly polarized conical-beam antenna with wide bandwidth and low profile", *IEEE Transactions on Antennas and Propagation*, 62(12), December 2014, pp 5974-5982.
- #LIN, W and WONG, H S, "Polarization Reconfigurable Wheel-Shaped Antenna With Conical-Beam Radiation Pattern", *IEEE Transactions on Antennas and Propagation*, 63(2), February 2015, pp 491-499.
- LIU Daqing** #LIU, D, ZHAO, P and CHAN, C H, "An improved discrete complex image method based on a special sampling path", *IEEE Transactions on Antennas and Propagation*, 62(7), July 2014, pp 3858-3864.
- LIU Fang** CHENG, L M and #LIU, F, "Wave atom-based Perceptual Image Hashing Against Content-Preserving and Content Altering Attacks", *Transactions on Data Hiding and Multimedia Security*, Summer 2015, pp 21-37, doi: 10.1007/978-3-662-46739-8_2.
- LIU Zhiyang** #LIU, Z and DAI, L, "A Comparative Study of Downlink MIMO Cellular Networks with Co-Located and Distributed Base-Station Antennas", *IEEE Transactions on Wireless Communications*, 13(11), November 2014, pp 6259-6274.
- LU Ziyang** PAO, D C W and #LU, Z Y, "A multi-pipeline architecture for high-speed packet classification", *Computer Communications*, Vol 54, December 2014, pp 84-96.
- PAO, D C W, #LU, Z Y and POON, Y H, "IP address lookup using bit-shuffled trie", *Computer Communications*, Vol 47, July 2014, pp 51-64, doi: 10.1016/j.comcom.2014.04.006.
- LUO Zhen** #LUO, Z, LEUNG, S H and YU, X, "Robust Precoder Design for MIMO Relay Networks Over Double Correlated Rician Channels", *IEEE Transactions on Signal Processing*, 63(9), 1 May 2015, pp 2295-2305, doi: 10.1109/TSP.2015.2408561.
- #LUO, Z, #ZHANG, L, LEUNG, S H and YU, X, "Statistically robust precoder design over correlated Rician MIMO channels", *Signal Processing*, Vol 102, September 2014, pp 177-187, doi: 10.1016/j.sigpro.2014.03.025.
- MA Junjie** YUAN, X, #MA, J and LI, PING, "Energy-Spreading-Transform Based MIMO systems: Iterative equalization, evolution analysis, and precoder optimization", *IEEE Transactions on Wireless Communications*, 13(9), September 2014, pp 5237-5250.
- #MA, J, YUAN, X and LI, PING, "Turbo Compressed Sensing with Partial DFT sensing Matrix", *IEEE Signal Processing Letters*, 22(2), February 2015, pp 158-161.
- MA Lichun** #WANG, D D D W, #MA, L, WONG, M P, LEE, V H and YAN, H, "Contribution of EGFR and ErbB-3 Heterodimerization to the EGFR Mutation-induced Gefitinib- and Erlotinib-resistance in Non-Small-Cell Lung Carcinoma Treatments", *PLoS One*, 10(5), 20 May 2015, pp 1-27.

Section A: Publications of PhD Students

#MA, L, #WANG, D D D W, HUANG, Y, YAN, H, WONG, M P and LEE, V H , "EGFR Mutant Structural Database: computationally predicted 3D structures and the corresponding binding free energies with gefitinib and erlotinib", *BMC Bioinformatics*, Vol 16, 14 March 2015, p 85, doi: 10.1186/s12859-015-0522-3.

MIN Biao

#MIN, B and CHEUNG, C C R , "A Fast CU Size Decision Algorithm for the HEVC Intra Encoder", *IEEE Transactions on Circuits and Systems for Video Technology*, 25(5), May 2015, pp 892-896, doi: 10.1109/TCSVT.2014.2363739.

MUNG Wai Yin

#MUNG, S W Y and CHAN, W S , "Wideband phase inverter integrated in Doherty power amplifier for linearity improvement", *Electronics Letters*, 51(10), 14 May 2015, pp 771-773.

NG Kung Bo

WANG, D, #NG, K B, CHAN, C H and WONG, H S , "A novel wideband differentially-fed higher-order mode millimeter-wave patch antenna", *IEEE Transactions on Antennas and Propagation*, 63(2), February 2015, pp 466-473.

#NG, K B, CHAN, C H, ZHANG, H and ZENG, G , "Bandwidth enhancement of planar slot antenna using complementary source technique for millimeter-wave applications", *IEEE Transactions on Antennas and Propagation*, 62(9), September 2014, pp 4452-4458.

#QU, S W, WU, W W, #CHEN, B J, YI, H, BAI, X, #NG, K B and CHAN, C H , "Controlling Dispersion Characteristics of Terahertz Metasurface", *Scientific Reports*, Vol 5, 23 March 2015, p 9367, doi: 10.1038/srep09367.

#NG, K B, CHAN, C H and LUK, K M , "Low-cost vertical patch antenna with wide axial-ratio beamwidth for handheld satellite communications terminals", *IEEE Transactions on Antennas and Propagation*, 63(4), 2015, pp 1417-1424.

QU Shiwei

#QU, S W, WU, W W, #CHEN, B J, YI, H, BAI, X, #NG, K B and CHAN, C H , "Controlling Dispersion Characteristics of Terahertz Metasurface", *Scientific Reports*, Vol 5, 23 March 2015, p 9367, doi: 10.1038/srep09367.

SHEN Lifan

XIONG, H H, #SHEN, L, PUN, Y B E and LIN, H , "High-efficiency fluorescence radiation of Dy³⁺ in alkaline earth borate glasses", *Journal of Luminescence*, Vol 153, September 2014, pp 227-232, doi: 10.1016/j.jlumin.2014.03.029.

CHEN, B, #SHEN, L, PUN, Y B E and LIN, H , "Nd³⁺-doped ion-exchanged aluminum germanate glass channel waveguide", *Optical Materials Express*, 5(1), 1 January 2015, pp 113-123, doi: 10.1364/OME.5.000113.

#FANG, M, LIN, H, CHEUNG, H Y, XIU, F, #SHEN, L, #YIP, S P, PUN, Y B E, WONG, C Y and HO, J C Y , "Polymer-Confined Colloidal Monolayer: A Reusable Soft Photomask for Rapid Wafer-Scale Nanopatterning", *ACS Applied Materials & Interfaces*, Vol 6, 6 November 2014, pp 20837-20841.

#SHEN, L, CHEN, B, LIN, H and PUN, Y B E , "Praseodymium ion doped phosphate glasses for integrated broadband ion-exchanged waveguide amplifier", *Journal of Alloys and Compounds*, Vol 622, 15 February 2015, pp 1093-1097, doi: 10.1016/j.jallcom.2014.11.033.

#SHEN, L, CHEN, B, PUN, Y B E and LIN, H , "Sm³⁺-doped alkaline earth borate glasses as UV -> visible photon conversion layer for solar cells", *Journal of Luminescence*, Vol 160, April 2015, pp 138-144, doi: 10.1016/j.jlumin.2014.11.052.

Section A: Publications of PhD Students

YANG, P, CHEN, B, #SHEN, L, PUN, Y B E and LIN, H , "Visible photon multiplication in Ce³⁺-Tb³⁺ doped borate glasses for enhanced solar cells", *Journal of Physics D-Applied Physics*, 47(44), 5 November 2014, p 445101, doi: 10.1088/0022-3727/47/44/445101.

SITU Wuchao

TSANG, P W M, POON, T C, LIU, J - and #SITU, W , "Review of holographic-based three-dimensional object recognition techniques [invited]", *Applied Optics*, 53(27), 2014, pp 95-104.

SOO Kwok Kai

YANG, L, SIU, Y M, #SOO, K K and LI, S , "New Construction Scheme to Reduce the PAPR of M-QAM OFDM Signal", *Wireless Personal Communications*, 80(3), February 2015, pp 1217-1230, doi: 10.1007/s11277-014-2083-6.

YANG, L, HU, W, #SOO, K K and SIU, Y M , "Swapped SLM scheme for reducing PAPR of OFDM systems", *Electronics Letters*, 50(22), 23 October 2014, pp 1608-1609, doi: 10.1049/el.2014.1310.

SUN Huayu

#SUN, H, #LI, Q and CHAN, Y C A , "A study of Ag additive methods by comparing mechanical properties between Sn_{57.6}Bi_{0.4}Ag and 0.4 wt% nano-Ag-doped Sn₅₈Bi BGA solder joints", *Journal of Materials Science-Materials in Electronics*, 25(10), October 2014, pp 4380-4390, doi: 10.1007/s10854-014-2177-7.

TANG Qingyuan

#LI, W, #TANG, Q Y C, JADHAV, A, NARANG, A, QIAN, W, SHI, P and PANG, S W , "Large-scale Topographical Screen for Investigation of Physical Neural-Guidance Cues", *Scientific Reports*, 5(8644), 2 March 2015, pp 1-8, doi: 10.1038/srep08644.

WANG Dan

#WANG, D D D W, #MA, L, WONG, M P, LEE, V H and YAN, H , "Contribution of EGFR and ErbB-3 Heterodimerization to the EGFR Mutation-induced Gefitinib- and Erlotinib-resistance in Non-Small-Cell Lung Carcinoma Treatments", *PLoS One*, 10(5), 20 May 2015, pp 1-27.

#MA, L, #WANG, D D D W, HUANG, Y, YAN, H, WONG, M P and LEE, V H , "EGFR Mutant Structural Database: computationally predicted 3D structures and the corresponding binding free energies with gefitinib and erlotinib", *BMC Bioinformatics*, Vol 16, 14 March 2015, p 85, doi: 10.1186/s12859-015-0522-3.

#WANG, D D D W, #ZHOU, W and YAN, H , "Mining of Protein-Protein Interfacial Residues from Massive Protein Sequential and Spatial Data", *Fuzzy Sets and Systems*, Vol 258, 1 January 2015, pp 101-116, doi: doi:10.1016/j.fss.2014.01.017.

WANG Jianjing

#WANG, J and CHUNG, S H H , "A Novel RCD Level Shifter for Elimination of Spurious Turn-on in the Bridge-Leg Configuration", *IEEE Transactions on Power Electronics*, 30(2), February 2015, pp 976-984, doi: 10.1109/TPEL.2014.2310898.

#WANG, J and CHUNG, S H H , "Impact of Parasitic Elements on the Spurious Triggering Pulse in Synchronous Buck Converter", *IEEE Transactions on Power Electronics*, 29(12), December 2014, pp 6672-6685, doi: 10.1109/TPEL.2014.2304454.

WANG Junyuan

#WANG, J and DAI, L , "Asymptotic Rate Analysis of Downlink Multi-user Systems with Co-located and Distributed Antennas", *IEEE Transactions on Wireless Communications*, 14(6), June 2015, pp 3046-3058.

Section A: Publications of PhD Students

- WANG Kewei** LIU, W, #WANG, K T, CHUNG, S H H and CHUANG, T H , "Modeling and Design of Series Voltage Compensator for Reduction of DC-Link Capacitance in Grid-Tie Solar Inverter", *IEEE Transactions on Power Electronics*, 30(5), 10 July 2014, pp 2534-2548, doi: 10.1109/TPEL.2014.2336856.
- WANG Xiong** WU, X, #WANG, X and CHEN, G R , "F-mixing property and (F1, F2)-everywhere chaos of inverse limit dynamical systems", *Nonlinear Analysis-Theory Methods & Applications*, Vol 104, July 2014, pp 147-155.
- #WANG, X and CHEN, G R , "Generating Lorenz-like and Chen-like attractors from a simple algebraic structure", *SCIENCE CHINA-INFORMATION SCIENCES*, Vol 57, July 2014, pp 072201:1-072201:7, doi: 10.1007/s11432-013-4932-4.
- WANG Zhixin** #WANG, Z and CHAN, C F S , "Continuous Function Modeling of Head-Related Impulse Response", *IEEE Signal Processing Letters*, 22(3), March 2015, pp 283-287, doi: 10.1109/LSP.2014.2345577.
- WEI Min** #WEI, M, CHOW, W S T and CHAN, R H M , "Clustering Heterogeneous Data with k-Means by Mutual Information-Based Unsupervised Feature Transformation", *Entropy*, 17(3), 9 March 2015, pp 1535-1548, doi: 10.3390/e17031535.
- WONG Oi Ying** #WONG, O Y, WONG, H, TAM, W S and KOK, C W , "A Dynamic-Biasing 4× Charge Pump Based on Exponential Topology", *International Journal of Circuit Theory and Applications*, 43(3), 4 September 2014, pp 401-414.
- #WONG, O Y, WONG, H, TAM, W - and KOK, C - , "Modelling of maximum power efficiency of charge pump circuits", *Electronics Letters*, 50(17), 14 August 2014, pp 1233-1234.
- WU Jingjin** #WU, J, ZHANG, Y, ZUKERMAN, M and YUNG, E K N , "Energy-Efficient Base-Stations Sleep-Mode Techniques in Green Cellular Networks: A Survey", *IEEE Communications Surveys and Tutorials*, 17(2), 12 February 2015, pp 803-826.
- WU Peng** LIAO, S, #WU, P, SHUM, K M K and XUE, Q , "Differentially Fed Planar Aperture Antenna With High Gain and Wide Bandwidth for Millimeter-Wave Application", *IEEE Transactions on Antennas and Propagation*, 63(3), March 2015, pp 966-977, doi: 10.1109/TAP.2015.2389256.
- #WU, P, LIU, J and XUE, Q , "Wideband Excitation Technology of TE₂₀ Mode Substrate Integrated Waveguide (SIW) and Its Applications", *IEEE Transactions on Microwave Theory and Techniques*, 63(6), June 2015, pp 1863-1874, doi: 10.1109/TMTT.2015.2427808.
- XIAO Yi** #FENG, R B, #XIAO, Y, LEUNG, C S A, TSANG, P W M and SUM, J , "An Improved Fault-Tolerant Objective Function and Learning Algorithm for Training the Radial Basis Function Neural Network", *COGNITIVE COMPUTATION*, 6(3), September 2014, pp 293-303.
- #XIAO, Y, #FENG, R B, #HAN, Z and LEUNG, C S A , "GPU Accelerated Self-Organizing Map for High Dimensional Data", *Neural Processing Letters*, 4(3), 1 June 2015, pp 341-355.
- #XIAO, Y, WAN, L, LEUNG, C S A, LAI, Y K and WONG, T T , "Optimization-Based Gradient Mesh Colour Transfer", *Computer Graphics Forum*, 19 January 2015.

Section A: Publications of PhD Students

- XIN Yao** #XIN, Y, LI, X, ZHANG, Z, CHEUNG, C C R, SONG, D and BERGER, T W , "An Application Specific Instruction Set Processor (ASIP) for Adaptive Filters in Neural Prosthetics", *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 3 June 2015.
- XU Sha** ZHU, X, KOTADIA, H, #XU, S, LU, H, MANNAN, S H, BAILEY, C and CHAN, Y C A , "Electromigration in Sn–Ag solder thin films under high current density", *Thin Solid Films*, Vol 565, 28 August 2014, pp 193-201, doi: 10.1016/j.tsf.2014.06.030.
- XU Wanjie** #XU, W, WONG, H, KAKUSHIMA, K and IWAI, H , "Quasi-analytical model of ballistic cylindrical surrounding gate nanowire MOSFET", *Microelectronic Engineering*, Vol 138, 20 April 2015, pp 111-117, doi: 10.1016/j.mee.2015.03.002.
- XU Xuyuan** #FENG, L, PO, L M, #XU, X, #LI, Y and MA, R , "Motion-Resistant Remote Imaging Photoplethysmography Based on the Optical Properties of Skin", *IEEE Transactions on Circuits and Systems for Video Technology*, 25(5), 22 October 2014, pp 879-891.
- #LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W , "No-reference image quality assessment with shearlet transform and deep neural networks", *Neurocomputing*, Vol 154, 22 April 2015, pp 94-109, doi: 10.1016/j.neucom.2014.12.015.
- #LI, Y, PO, L M, CHEUNG, C H T, #XU, X, #FENG, L, #YUAN, F and CHEUNG, K W , "No-Reference Video Quality Assessment with 3D Shearlet Transform and Convolutional Neural Networks", *IEEE Transactions on Circuits and Systems for Video Technology*, 6 May 2015, doi: 10.1109/TCSVT.2015.2430711.
- YAN Fan** #YAN, F, YEUNG, K H, #JOSEPH, A C and CHEN, G R , "Degree-energy-based local random routing strategies for sensor networks", *Communications in Nonlinear Science and Numerical Simulation*, Vol 20, January 2015, pp 250-262.
- YANG Cuili** #YANG, C L and TANG, K S , "Design and Topological Analysis of Complex Networks with Optimal Controllability", *International Journal of Bifurcation and Chaos*, 24(7), July 2014, p 1450103, doi: 10.1142/S021812741450103X.
- YE Guodong** #YE, G and #ZHOU, J , "A block chaotic image encryption scheme based on self-adaptive modelling", *Applied Soft Computing*, Vol 22, September 2014, pp 351-357, doi: 10.1016/j.asoc.2014.05.025.
- HUANG, X and #YE, G , "An efficient self-adaptive model for chaotic image encryption algorithm", *Communications in Nonlinear Science and Numerical Simulation*, 19(12), December 2014, pp 4094-4104, doi: 10.1016/j.cnsns.2014.04.012.
- HUANG, X and #YE, G , "An image encryption algorithm based on hyper-chaos and DNA sequence", *Multimedia Tools and Applications*, 72(1), September 2014, pp 57-70, doi: 10.1007/s11042-012-1331-6.
- YU Yanyan** #YU, Y, QIU, W, CHIU, B and SUN, L , "Feasibility of multiple micro-particle trapping—A simulation study", *Sensors*, 15(3), 27 February 2015, pp 4958-4974.
- YUAN Fang** #LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W , "No-reference image quality assessment with shearlet transform and deep neural networks", *Neurocomputing*, Vol 154, 22 April 2015, pp 94-109, doi: 10.1016/j.neucom.2014.12.015.

Section A: Publications of PhD Students

#LI, Y, PO, L M, CHEUNG, C H T, #XU, X, #FENG, L, #YUAN, F and CHEUNG, K W , "No-Reference Video Quality Assessment with 3D Shearlet Transform and Convolutional Neural Networks", *IEEE Transactions on Circuits and Systems for Video Technology*, 6 May 2015, doi: 10.1109/TCSVT.2015.2430711.

YUEN Kuen Faat

#YUEN, K F and CHUNG, S H H , "A Low-Loss "RL-Plus-C" Filter for Overvoltage Suppression in Inverter-Fed Drive System With Long Motor Cable", *IEEE Transactions on Power Electronics*, 30(4), April 2015, pp 2167-2181, doi: 10.1109/TPEL.2014.2325824.

ZHANG Jieqiong

WONG, H, ZHOU, J, #ZHANG, J, JIN, H, KAKUSHIMA, K and IWAI, H , "The interfaces of lanthanum oxide-based subnanometer EOT gate dielectrics", *Nanoscale Research Letters*, 9(1), 5 September 2014, p 472, doi: 10.1186/1556-276X-9-472.

WONG, H, #ZHANG, J, DONG, S, KAKUSHIMA, K and IWAI, H , "Thermal annealing, interface reaction, and lanthanum-based sub-nanometer EOT gate dielectrics", *Vacuum*, 118(1), 2015, pp 2-7.

#ZHANG, J, WONG, H, YU, D, KAKUSHIMA, K and IWAI, H , "X-ray photoelectron spectroscopy study of high-k CeO₂/La₂O₃ stacked dielectrics", *AIP Advances*, 4(11), 2014, p 117.

ZHANG Lin

#LUO, Z, #ZHANG, L, LEUNG, S H and YU, X , "Statistically robust precoder design over correlated Rician MIMO channels", *Signal Processing*, Vol 102, September 2014, pp 177-187, doi: 10.1016/j.sigpro.2014.03.025.

ZHANG Ruihong

CHUNG, S H H and #ZHANG, R K , "Paralleled LED Strings An Overview of Current-Balancing Techniques", *IEEE Industrial Electronics Magazine*, 9(2), June 2015, pp 17-23, doi: 10.1109/MIE.2014.2354681.

#ZHANG, R K and CHUNG, S H H , "Transformer-Isolated Resonant Driver for Parallel Strings With Robust Balancing and Stabilization of Individual LED Current", *IEEE Transactions on Power Electronics*, 29(7), July 2014, pp 3694-3708, doi: 10.1109/TPEL.2013.2278978.

ZHANG Weiguan

#ZHANG, W, #ZHU, H and LEE, E Y J , "Piezoresistive transduction in a double-ended tuning fork SOI MEMS resonator for enhanced linear electrical performance", *IEEE Transactions on Electron Devices*, 62(5), 20 April 2015, pp 1596-1602.

ZHANG Yu

CHENGQING, L, YUANSHENG, L, #ZHANG, Y L and K., W W , "Cryptanalyzing a class of image encryption schemes based on Chinese remainder theorem", *Signal Processing-Image Communication*, 29(8), 1 July 2014, pp 914-920, doi: <http://dx.doi.org/10.1016/j.image.2014.06.011>.

ZENG, L, LIU, R, #ZHANG, Y L, LIU, Y and WONG, K W , "Cryptanalyzing an image encryption algorithm based on scrambling and Veginère cipher", *Multimedia Tools and Applications*, 7 March 2015, pp 1-12, doi: 10.1007/s11042-015-2511-y.

ZHANG Zhonghao

XU, C, WANG, P, #ZHANG, Z and LI, PING , "Transmitter Design for Uplink MIMO Systems With Antenna Correlation", *IEEE Transactions on Wireless Communications*, 14(4), 1 April 2015, p 1772-1784.

Section A: Publications of PhD Students

- ZHOU Junwei** #YE, G and #ZHOU, J , "A block chaotic image encryption scheme based on self-adaptive modelling", *Applied Soft Computing*, Vol 22, September 2014, pp 351-357, doi: 10.1016/j.asoc.2014.05.025.
- ZHOU Weiqiang** #WANG, D D D W, #ZHOU, W and YAN, H , "Mining of Protein-Protein Interfacial Residues from Massive Protein Sequential and Spatial Data", *Fuzzy Sets and Systems*, Vol 258, 1 January 2015, pp 101-116, doi: doi:10.1016/j.fss.2014.01.017.
- ZHU Haoshen** #ZHU, H, TU, C, #SHAN, G and LEE, E Y J , "Dependence of Temperature Coefficient of Frequency (TCf) on Crystallography and Eigenmode in N-Doped Silicon Contour Mode Micromechanical Resonators", *Sensors and Actuators A-Physical*, Vol 215, 15 August 2014, pp 189-196.
- #ZHANG, W, #ZHU, H and LEE, E Y J , "Piezoresistive transduction in a double-ended tuning fork SOI MEMS resonator for enhanced linear electrical performance", *IEEE Transactions on Electron Devices*, 62(5), 20 April 2015, pp 1596-1602.
- ZHU Jing** #ZHU, J, QI, T and CHEN, J , "Small-gain stability conditions for linear systems with time-varying delays", *Systems and Control Letters*, Vol 81, 26 May 2015, p 42-48.
- #ZHU, J and CHEN, J , "Stability of systems with time-varying delays: An L1 small-gain perspective .", *Automatica*, Vol 52, February 2015, pp 260-265, doi: 10.1016/j.automatica.2014.12.011.
- ZHUANG Junping** #ZHUANG, J, PUSINO, V, DING, Y, CHAN, S C and SOREL, M , "Experimental investigation of anti-colliding pulse mode-locked semiconductor lasers", *Optics Letters*, 40(4), 15 February 2015, pp 617-620, doi: 10.1364/OL.40.000617.
- #ZHUANG, J and CHAN, S C , "Phase noise characteristics of microwave signals generated by semiconductor laser dynamics", *Optics Express*, 23(3), 9 February 2015, pp 2777-2797, doi: 10.1364/OE.23.002777.
- ZOU Bing** #ZOU, B and CHIANG, K S , "Application of the Hilbert Transform Method for the Retrieval of the Phase Characteristics of Plasmonic Metal Bragg Gratings", *Plasmonics*, 10(1), 2015, pp 107-115.
- Conference papers**
- BISHARAT Dia'aaldin J** #BISHARAT, D J, LIAO, S and XUE, Q , "A new circularly polarized monopole antenna for 60 GHz communications", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 173-174.
- XUE, Q, LIAO, S, #WU, P and #BISHARAT, D J , "A novel unidirectional circularly polarized antenna", *3rd Asia-Pacific Conference on Antennas and Propagation, APCAP 2014*, PRC, 26-29 July 2014, pp 90-92.
- #BISHARAT, D J, LIAO, S and XUE, Q , "Differentially Driven Circularly Polarized Cavity-backed Aperture Antenna for 60 GHz Applications", *The 15th IEEE HK AP/MTT Postgraduate Conference*, Hong Kong, PRC, 11 October 2014.
- #BISHARAT, D J, LIAO, S and XUE, Q , "Single-Layer Differentially-Fed Circularly Polarized Aperture Antenna for 60 GHz Applications", *The 9th European Conference on Antennas and Propagation (EuCAP 2015)*, Portugal, 12-17 April 2015.

Section A: Publications of PhD Students

- CHAN Yin Chi** #CHAN, Y C, GUO, J, WONG, E W M and ZUKERMAN, M , "Performance Analysis for Overflow Loss Systems of Processor-Sharing Queues", *2015 IEEE Conference on Computer Communications (INFOCOM)*, IEEE, Hong Kong, Hong Kong, PRC, 27-30 April 2015, pp 1409-1417.
- CHEN Baojie** QU, S W, WU, W W, #NG, K B, #CHEN, B and CHAN, C H , "Wideband terahertz frequency-scanning reflectarray", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 100-101.
- QU, S W, WU, W W, #NG, K B, #CHEN, B, CHAN, C H and PUN, Y B E , "Wideband terahertz reflectarrays with fixed/frequency-scanning beams", *31st General Assembly and Scientific Symposium of the International Union of Radio Science, URSI GASS 2014*, PRC, 16-23 August 2014.
- CHEN Long** #CHEN, L, ZHAO, Z and YAN, H , "C. ELEGANS CELL MATCHING AND TRACKING IN A 4D IMAGING SYSTEM", *40th IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2015*, IEEE, Brisbane, Australia, 19-24 April 2015.
- CHEN Nan** #CHOW, P W, #CHEN, N, CHUNG, S H H and CHAN, L H L , "Modeling and Experimentation of MisalignmentTolerable Loosely-coupled Coil Structure", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.
- CHEN Shaobo** #CHEN, S and LUK, K M , "High performance dual-band dual-polarized magneto-electric dipole base station antenna", *2014 Asia-Pacific Microwave Conference, APMC 2014*, Japan, 4-7 November 2014, pp 321-323.
- CHEN Yimin** #CHEN, Y, KISHIMOTO, J, QIU, W, DE RIBAUPIERRE, S, FENSTER, A and CHIU, B , "Quantification of Cerebral Ventricle Volume Change of Preterm Neonates Using 3D Ultrasound Images", *Conference on Medical Imaging - Ultrasonic Imaging and Tomography*, Orlando, FL, USA, 22-23 February 2015, p 94190V.
- CHI Haoran** HUNG, F H, #CHI, H H, #LI, Y S B and TSANG, K F , "Sensors positioning in outdoor environment with signal strength", *IECON 2014 - 40th Annual Conference of the IEEE, Industrial Electronics Society*, Dallas, USA, 29 October - 1 November 2014, pp 3926-3931.
- CHOW Po Wa** #CHOW, P W, #CHEN, N, CHUNG, S H H and CHAN, L H L , "Modeling and Experimentation of MisalignmentTolerable Loosely-coupled Coil Structure", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.
- #CHOW, P W and CHUNG, S H H , "Use of Primary-Side Information to Perform Online Estimation of the Secondary-Side Information and Mutual Inductance in Wireless Inductive Link", *IEEE Applied Power Electronics Conference and Exposition*, USA, 15-19 March 2015.
- CHUI Kwok Tai** WANG, H Y, WANG, Y R, LING, W K B, GUI, Y, TSANG, K F and #CHUI, K T J , "Single-channel music speech separation using fractional Fourier transform and log-nonnegative matrix factorization", *IEEE The International Conference on Consumer Electronics-China (ICCE-China)*, PRC, 9-11 April 2015.

Section A: Publications of PhD Students

CHOW, W H, WU, C K, TSANG, K F, #LI, Y S B and #CHUI, K T J, "Wrist Pulse Signal Classification for Inflammation of Appendix, Pancreas, and Duodenum", *IECON'2014 The 40th Annual Conference of the IEEE Industrial Electronics Society*, IEEE Industrial Electronics Society, USA, 29 October - 1 November 2014.

DAI Wangchen

#DAI, W, WU, H and CHEUNG, C C R, "Time-Efficient Computation of Digit Serial Montgomery Multiplication", *International Symposium on Integrated Circuits 2014 (ISIC'14)*, Singapore, 10-12 December 2014.

DONG Jianglii

#DONG, J, JIN, W and CHIANG, K S, "Mode multiplexer based on integrated horizontal and vertical polymer-waveguide directional couplers", *CLEO 2015*, Optical Society of America, San Jose, USA, 10-15 May 2015.

#DONG, J and CHIANG, K S, "Temperature-insensitive LP 01 -LP 11 mode converters based on CO₂-laser written long-period fiber gratings", *Asia Communications and Photonics Conference, ACPC 2014*, Shanghai, PRC, 11-14 November 2014.

#DONG, J and CHIANG, K S, "TRANSVERSE-MODE SWITCHABLE PASSIVELY MODE-LOCKED FIBER LASER BASED ON A TWO-MODE FIBER BRAGG GRATING", *19th OptoElectronics and Communication Conference (OECC) / 39th Australian Conference on Optical Fibre Technology (ACOFT)*, Melbourne, Australia, 6-10 July 2014, pp 65-67.

FAN Wei

FAN, W, #FAN, W, LIAO, S S and YEUNG, K H, "Community-based cheater detection in location-based social networks", *Proceedings of 2014 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Beijing, PRC, 17-20 August 2014, pp 936-941.

FAN Wing To

#YUEN, K F, #FAN, W T and CHUNG, S H H, "A Ripple-Free Input Current PFC Using Power Semiconductor Filter", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.

#FAN, W T, #YUEN, K F and CHUNG, S H H, "Dynamical modeling of power converters with power semiconductor filter", *IEEE Applied Power Electronics Conference and Exposition*, USA, 15-19 March 2015.

#FAN, W T, #YUEN, K F and CHUNG, S H H, "Power Semiconductor Filter: Use of Series-Pass Device in Switching Converters for Input Filtering", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.

FENG Litong

#FENG, L, PO, L M, #XU, X, #LI, Y, CHEUNG, C H T, CHEUNG, K W and #YUAN, F, "DYNAMIC ROI BASED ON K-MEANS FOR REMOTE PHOTOPLETHYSMOGRAPHY", *40th IEEE International Conference on Acoustics, Speech and Signal Processing 2015*, Australia, 19-24 April 2015.

#FENG, L, PO, L M, #XU, X and #LI, Y, "Motion artifacts suppression for remote imaging photoplethysmography", *19th International Conference on Digital Signal Processing 2014*, Hong Kong, PRC, 20-23 August 2014.

#LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W, "No-Reference Image Quality Assessment Using Shearlet Transform and Stacked Autoencoders", *IEEE International Symposium on Circuits and Systems.*, IEEE, Lisbon, Portugal, 24-27 May 2015.

Section A: Publications of PhD Students

- FENG Liying** #FENG, L and LEUNG, K W , "Gain enhanced omnidirectional rectangular dielectric resonator antenna", *2015 1st IEEE International Conference on Computational Electromagnetics, ICCEM 2015*, Hong Kong, PRC, 2-5 February 2015, pp 235-236.
- #FENG, L and LEUNG, K W , "Gain enhancement of omnidirectional dielectric resonator antenna using a higher-order mode", *2014 IEEE Antennas and Propagation Society International Symposium, APSURSI 2014*, USA, 6-11 July 2014, pp 1970-1971.
- FENG Ruibin** #FENG, R B, LEUNG, C S A and CONSTANTINIDES, A G , "An Analog Network Approach to train RBF Networks based on Sparse Recovery", *The 19th International Conference on Digital Signal Processing*, Hong Kong, PRC, 20-23 August 2014.
- FOUZDER Tama** #FOUZDER, T, CHAN, Y C A and CHAN DK , "Interfacial microstructure and shear strength of Sn-Ag-Cu based composite solders on Cu and Au/Ni metallized Cu substrates", *Electronics Packaging Technology Conference (EPTC), 2014 IEEE 16th*, Singapore, 3-5 December 2014, pp 69-74.
- FU Jing** #FU, J, GUO, J, WONG, E W M and ZUKERMAN, M , "Energy-Efficient Heuristics for Job Assignment in Processor-Sharing Server Farms", *2015 IEEE Conference on Computer Communications (INFOCOM)*, IEEE, Hong Kong, PRC, 26 April - 30 May 2015.
- GONG Xueqing** #SUNG, C W and #GONG, X , "Combination network coding: Alphabet size and zigzag decoding", *2014 International Symposium on Information Theory and Its Applications, ISITA 2014*, Australia, 26-29 October 2014, pp 699-703.
- HE Jiguang** #HE, J, KIM, T, GHAUCH, H, LIU, K and WANG, G , "Millimeter Wave MIMO Channel Tracking Systems", *IEEE Global Communications Workshops*, USA, 8-12 December 2014, pp 1-5.
- HE Yuanbin** #HE, Y, #WANG, K and CHUNG, S H H , "Utilization of Proportional Filter Capacitor Voltage Feedforward to Realize Active Damping for Digitally-Controlled Grid-Tied Inverter Operating Under Wide Grid Impedance Variation", *IEEE Energy Conversion Congress & Expo*, USA, 14-18 September 2014.
- HU Ping** #HU, P, SHUM, K W and SUNG, C W , "The fundamental theorem of distributed storage systems revisited", *Proc. IEEE ITW*, Hobart, Australia, 2-5 November 2014, pp 65-69.
- #HU, P, SUNG, C W, HO, S W and CHAN, T H , "Three-level storage and nested MDS codes for perfect secrecy in multiple clouds", *Proc. IEEE ISIT*, Honolulu, USA, 29 June - 4 July 2014, pp 1356-1360.
- HU Xiao** #HU, X and CHAN, Y C A , "Electroless Ni-P-ZrO₂ metallization for lead-free solder interconnection", *The 15th International Conference on Electronic Packaging Technology (ICEPT2014)*, IEEE, Chengdu, China, PRC, 12-15 August 2014, pp 820-824.
- HUANG Linyu** #HUANG, L, SUNG, C W and CHEN, C S , "Context-aware wireless broadcast for next generation cellular networks", *2014 IEEE International Conference on Communication Systems, IEEE ICCS 2014*, Macau, PRC, 19-21 November 2014, pp 349-353.
- JAISWAL Manish Kumar** #JAISWAL, M K, CHEUNG, C C R, BALAKRISHNAN, M and PAUL, K , "Dynamically Configurable Architecture for Double / Two-Parallel Single Precision F.P. Division", *IEEE Computer Society Annual Symposium on VLSI*, IEEE Computer Society, Tampa, Florida, U.S.A., USA, 9-11 July 2014, pp 1-6, (Accepted for publication).

Section A: Publications of PhD Students

- JIAO Shuming** #JIAO, S and TSANG, P W M , "A Hologram Watermarking Scheme Based on Scrambling Embedding and Image Inpainting", *Digital Holography & 3-D Imaging Meeting*, Optical Society of America, Shanghai, PRC, 24-28 May 2015.
- #JIAO, S and TSANG, P W M , "Recovery of Partially Occluded Object Image in Digital Holography Based on Image Inpainting", *Digital Holography & 3-D Imaging (DH) 2014*, USA, 13-17 July 2014.
- #JIAO, S and TSANG, P W M , "Recovery of partially occluded object image in digital holography based on image inpainting", *Digital Holography and Three-Dimensional Imaging, DH 2014*, Seattle, WA, USA, 13-17 July 2014.
- LI Shuo** #LI, S, #WANG, M, WONG, E W M and ZUKERMAN, M , "Improving OBS Efficiency", *16th International Conference on Transparent Optical Networks (ICTON)*, Graz, AUSTRIA, Austria, 6-10 July 2014.
- LI Songsui** #ZHUANG, J, #LI, S, #LI, X Z and CHAN, S C , "Dual-loop optical feedback for microwave phase noise reduction in nonlinear dynamics of semiconductor lasers", *The 20th OptoElectronics and Communications Conference*, PRC, 28 June - 2 July 2015.
- #ZHUANG, J, #LI, S, #LI, X Z, PUSINO, V, DING, Y, SOREL, M and CHAN, S C , "Photonic Microwave generation utilizing dynamics of laser diodes", *IEEE 7th International Conference on Advanced Infocomm Technology*, PRC, 14-16 November 2014.
- LI Xiaozhou** #ZHUANG, J, #LI, S, #LI, X Z and CHAN, S C , "Dual-loop optical feedback for microwave phase noise reduction in nonlinear dynamics of semiconductor lasers", *The 20th OptoElectronics and Communications Conference*, PRC, 28 June - 2 July 2015.
- #ZHUANG, J, #LI, S, #LI, X Z, PUSINO, V, DING, Y, SOREL, M and CHAN, S C , "Photonic Microwave generation utilizing dynamics of laser diodes", *IEEE 7th International Conference on Advanced Infocomm Technology*, PRC, 14-16 November 2014.
- LI Yee Shing, Benjamin** HUNG, F H, #CHI, H H, #LI, Y S B and TSANG, K F , "Sensors positioning in outdoor environment with signal strength", *IECON 2014 - 40th Annual Conference of the IEEE, Industrial Electronics Society*, Dallas, USA, 29 October - 1 November 2014, pp 3926-3931.
- CHOW, W H, WU, C K, TSANG, K F, #LI, Y S B and #CHUI, K T J , "Wrist Pulse Signal Classification for Inflammation of Appendix, Pancreas, and Duodenum", *IECON'2014 The 40th Annual Conference of the IEEE Industrial Electronics Society*, IEEE Industrial Electronics Society, USA, 29 October - 1 November 2014.
- LI Yujian** #LI, Y and LUK, K M , "60 GHz substrate integrated waveguide fed dense dielectric patch antenna array", *2014 International Symposium on Antennas and Propagation, ISAP 2014*, Taiwan, 2-5 December 2014, pp 37-38.
- #LI, Y and LUK, K M , "A low-cost high gain substrate integrated waveguide fed patch antenna array for 60-GHz applications", *2014 Asia-Pacific Microwave Conference, APMC 2014*, Japan, 4-7 November 2014, pp 459-461.
- LI Yuming** #FENG, L, PO, L M, #XU, X, #LI, Y, CHEUNG, C H T, CHEUNG, K W and #YUAN, F , "DYNAMIC ROI BASED ON K-MEANS FOR REMOTE PHOTOPLETHYSMOGRAPHY", *40th IEEE International Conference on Acoustics, Speech and Signal Processing 2015*, Australia, 19-24 April 2015.

Section A: Publications of PhD Students

#FENG, L, PO, L M, #XU, X and #LI, Y, "Motion artifacts suppression for remote imaging photoplethysmography", *19th International Conference on Digital Signal Processing 2014*, Hong Kong, PRC, 20-23 August 2014.

#LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W, "No-Reference Image Quality Assessment Using Shearlet Transform and Stacked Autoencoders", *IEEE International Symposium on Circuits and Systems.*, IEEE, Lisbon, Portugal, 24-27 May 2015.

LIN Wei

WONG, H S and #LIN, W, "Circularly-polarized conical -beam patch antenna with wide bandwidth and polarization diversity", *2014 International Symposium on Antennas and Propagation (ISAP)*, Taiwan, 2-5 December 2014.

#LIN, W and WONG, H S, "Pattern Reconfigurable Wideband Circularly-Polarized Quadrifilar Helix with Broadside and Backfire Radiation Patterns", *9th European Conference on Antennas and Propagation, EuCAP 2015.*, Portugal, 12-17 April 2015.

#LIN, W and WONG, H S, "Wideband Circularly-Polarized Conical Beam Wheel-Shaped Antenna with Reflector for Axial Ratio Bandwidth and Pattern Improvement", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition*, IEEE, Sapporo, Hokkaido, Japan, Japan, 4-6 August 2014.

LIU Daqing

#LIU, D, ZHAO, P, #NG, K B and CHAN, C H, "A hybrid 2D/3D multilevel Green's function interpolation method for microstrip antenna array", *2014 International Symposium on Antennas and Propagation, ISAP 2014*, Taiwan, 2-5 December 2014, pp 565-566.

ZHAO, P, #LIU, D and CHAN, C H, "A parallelized multilevel Green's function interpolation method for open and closed objects", *International Symposium on Antennas and Propagation*, Taiwan, 2-5 December 2014.

LIU Fang

#LIU, F, WONG, H, CHENG, L M, HO, A T S and LI, S, "Enhanced Perceptual Image Authentication with Tamper Localization and Self-restoration", *IEEE International Conference on Multimedia & Expo 2014*, IEEE, Chengdu, PRC, 14-18 July 2014, pp 1-6.

MAO Tian

#MAO, T, LAU, W H R, #SHUM, C S, CHUNG, S H H, TSANG, K F and TSE, C F N, "An Intelligent Scatter Search (ISS) Algorithm for Scheduling of Charging a Single EV", *IEEE PES APPEEC 2014*, IEEE, Hong Kong, Hong Kong, PRC, 7-10 December 2014.

#SHUM, C S, LAU, W H R, #MAO, T, CHUNG, S H H, TSE, C F N, TSANG, K F and LAI, L L, "HLA Based Co-simulation Framework for Multiagent-Based Smart Grid Applications", *IEEE PES APPEEC 2014*, IEEE, Hong Kong, Hong Kong, PRC, 7-10 December 2014.

NG Kung Bo

YI, H, QU, S -, #NG, K B and CHAN, C H, "3-D printed discrete dielectric lens antenna with matching layer", *2014 International Symposium on Antennas and Propagation, ISAP 2014*, Taiwan, 2-5 December 2014, pp 115-116.

#LIU, D, ZHAO, P, #NG, K B and CHAN, C H, "A hybrid 2D/3D multilevel Green's function interpolation method for microstrip antenna array", *2014 International Symposium on Antennas and Propagation, ISAP 2014*, Taiwan, 2-5 December 2014, pp 565-566.

Section A: Publications of PhD Students

#ZHU, Q, #NG, K B and CHAN, C H, "Complementary source based circularly polarized antenna arrays for millimeter-wave applications", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 260-261.

WANG, D, #NG, K B, WONG, H S and CHAN, C H, "Differential-fed higher-order mode patch antenna at 60GHz band", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 175-176.

CHAN, C H, #NG, K B and QU, S W, "Gain Enhancement for Low-Cost Terahertz Fresnel Zone Plate Lens Antennas", *International Workshop on Antenna Technology*, South Korea, 4-6 March 2015.

QU, S W, YI, H, CHAN, C H and #NG, K B, "Low-cost discrete dielectric terahertz lens antenna using 3D printing", *2014 IEEE Conference on Antenna Measurements and Applications, CAMA 2014*, France, 16-19 November 2014.

BAI, X, QU, S -, CHAN, C H and #NG, K B, "Millimeter-wave spiral microstrip-based leaky-wave antenna for circularly polarized radiation", *2015 1st IEEE International Conference on Computational Electromagnetics, ICCEM 2015*, Hong Kong, PRC, 2-5 February 2015, pp 353-354.

QU, S W, WU, W W, #NG, K B, #CHEN, B and CHAN, C H, "Wideband terahertz frequency-scanning reflectarray", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 100-101.

QU, S W, WU, W W, #NG, K B, #CHEN, B, CHAN, C H and PUN, Y B E, "Wideband terahertz reflectarrays with fixed/frequency-scanning beams", *31st General Assembly and Scientific Symposium of the International Union of Radio Science, URSI GASS 2014*, PRC, 16-23 August 2014.

SHUM Chong

#MAO, T, LAU, W H R, #SHUM, C S, CHUNG, S H H, TSANG, K F and TSE, C F N, "An Intelligent Scatter Search (ISS) Algorithm for Scheduling of Charging a Single EV", *IEEE PES APPEEC 2014*, IEEE, Hong Kong, Hong Kong, PRC, 7-10 December 2014.

#SHUM, C S, LAU, W H R, #MAO, T, CHUNG, S H H, TSE, C F N, TSANG, K F and LAI, L L, "HLA Based Co-simulation Framework for Multiagent-Based Smart Grid Applications", *IEEE PES APPEEC 2014*, IEEE, Hong Kong, Hong Kong, PRC, 7-10 December 2014.

SUN Huayu

#SUN, H and CHAN, Y C A, "Drawbacks of the nanoparticle reinforced lead-free BGA solder joints", *5th Electronics System-Integration Technology Conference, ESTC 2014*, Helsinki, Finland, 16-18 September 2014, pp 1-3.

SUN Yuxiang

#SUN, Y, FANG, X and LEUNG, K W, "Wideband two-layer transparent cylindrical dielectric resonator antenna used as a light cover", *2015 1st IEEE International Conference on Computational Electromagnetics, ICCEM 2015*, Hong Kong, PRC, 2-5 February 2015, pp 286-287.

Section A: Publications of PhD Students

- TANG Qingyuan** XUE, Q, #ZHU, H, CHIU, L, #TANG, Q Y C, ZHAO, X and PANG, S W, "Dielectric microstrip line (DML) - A new transmission line for terahertz applications", *31st General Assembly and Scientific Symposium of the International Union of Radio Science, URSI GASS 2014*, PRC, 16-23 August 2014.
- TU Cheng** #ZHU, H, #TU, C, RUFER, L and LEE, E Y J, "Active electronic cancellation of nonlinearity in a high-Q longitudinal-mode silicon resonator by current biasing", *28th European Frequency and Time Forum*, Neuchatel, Switzerland, November 2014, pp 12-15.
- WANG Jia** CHENG, L M and #WANG, J, "A Dynamic Scalable Cryptosystem Based-on Reduced Key Size ECC", *10th International Conference on Digital Telecommunications*, IARIA, Barcelona, Spain, 19-24 April 2015, pp 7-11.
- WANG Kewei** #HE, Y, #WANG, K and CHUNG, S H H, "Utilization of Proportional Filter Capacitor Voltage Feedforward to Realize Active Damping for Digitally-Controlled Grid-Tied Inverter Operating Under Wide Grid Impedance Variation", *IEEE Energy Conversion Congress & Expo*, USA, 14-18 September 2014.
- WANG Meiqian** #LI, S, #WANG, M, WONG, E W M and ZUKERMAN, M, "Improving OBS Efficiency", *16th International Conference on Transparent Optical Networks (ICTON)*, Graz, AUSTRIA, Austria, 6-10 July 2014.
- WANG Yi** KUMAR, G, #WANG, Y, #AU, N P B, MAK, Y L, CHAN, L L, LAM, K S P, CHAN, L H L and MA, C H E, "Pacific Ciguatoin-1 modulates motor function and EEG activity in mice", *Neuroscience 2014*, Society for Neuroscience, Washington, USA, 15-19 November 2014.
- WU Peng** XUE, Q, LIAO, S, #WU, P and #BISHARAT, D J, "A novel unidirectional circularly polarized antenna", *3rd Asia-Pacific Conference on Antennas and Propagation, APCAP 2014*, PRC, 26-29 July 2014, pp 90-92.
- #WU, P, LIAO, S and XUE, Q, "A substrate integrated slot antenna array using higher order mode feeding network", *2014 Asia-Pacific Microwave Conference, APMC 2014*, Japan, 4-7 November 2014, pp 348-350.
- WU Yun Fei** #WU, Y F and CHIANG, K S, "Broadband Photonic Lantern Mode Multiplexers Based on Multilayer Polymer Waveguides", *OECC 2015*, PRC, 28 June - 2 July 2015.
- XU Xuyuan** #FENG, L, PO, L M, #XU, X, #LI, Y, CHEUNG, C H T, CHEUNG, K W and #YUAN, F, "DYNAMIC ROI BASED ON K-MEANS FOR REMOTE PHOTOPLETHYSMOGRAPHY", *40th IEEE International Conference on Acoustics, Speech and Signal Processing 2015*, Australia, 19-24 April 2015.
- #FENG, L, PO, L M, #XU, X and #LI, Y, "Motion artifacts suppression for remote imaging photoplethysmography", *19th International Conference on Digital Signal Processing 2014*, Hong Kong, PRC, 20-23 August 2014.
- #LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W, "No-Reference Image Quality Assessment Using Shearlet Transform and Stacked Autoencoders", *IEEE International Symposium on Circuits and Systems.*, IEEE, Lisbon, Portugal, 24-27 May 2015.

Section A: Publications of PhD Students

- YANG Cuili** #YANG, C L, FAN, Z and TANG, K S , "Routing design for transmission capacity maximization in complex networks", *International Symposium on Circuits and Systems*, IEEE Circuits and Systems Society, Lisbon, Portugal, 24-27 May 2015.
- YU Quan** #YU, Q, SUNG, C W and CHAN, T H , "Locally repairable codes over a network", *2014 IEEE Information Theory Workshop, ITW 2014*, Australia, 2-5 November 2014, pp 70-74.
- CHEN, J, SHUM, K, #YU, Q and SUNG, C W , "Sector-disk codes and partial MDS codes with up to three global parities", *Proc. IEEE ISIT*, IEEE, Hong Kong, Hong Kong, PRC, 14-19 June 2015.
- YUAN Fang** #FENG, L, PO, L M, #XU, X, #LI, Y, CHEUNG, C H T, CHEUNG, K W and #YUAN, F , "DYNAMIC ROI BASED ON K-MEANS FOR REMOTE PHOTOPLETHYSMOGRAPHY", *40th IEEE International Conference on Acoustics, Speech and Signal Processing 2015*, Australia, 19-24 April 2015.
- #LI, Y, PO, L M, #XU, X, #FENG, L, #YUAN, F, CHEUNG, C H T and CHEUNG, K W , "No-Reference Image Quality Assessment Using Shearlet Transform and Stacked Autoencoders", *IEEE International Symposium on Circuits and Systems.*, IEEE, Lisbon, Portugal, 24-27 May 2015.
- YUEN Kuen Faat** #YUEN, K F, #FAN, W T and CHUNG, S H H , "A Ripple-Free Input Current PFC Using Power Semiconductor Filter", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.
- #FAN, W T, #YUEN, K F and CHUNG, S H H , "Dynamical modeling of power converters with power semiconductor filter", *IEEE Applied Power Electronics Conference and Exposition*, USA, 15-19 March 2015.
- #FAN, W T, #YUEN, K F and CHUNG, S H H , "Power Semiconductor Filter: Use of Series-Pass Device in Switching Converters for Input Filtering", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.
- ZHANG Jianwen** #ZHANG, J, YUAN, X and LI, PING , "Doubly hermitian precoding for parallel MIMO relay networks", *IEEE GlobeCom*, USA, 8-12 December 2014.
- ZHANG Ruihong** #ZHANG, R K and CHUNG, S H H , "A Parallel LED String Driver Using Capacitors for Source and String Ground Separation", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.
- #ZHANG, R H and CHUNG, S H H , "A ring diode-capacitor network for current-balancing multiple LED strings", *IEEE Applied Power Electronics Conference and Exposition*, USA, 15-19 March 2015.
- ZHOU, R, #ZHANG, R H and CHUNG, S H H , "Inductive Power Transfer System for Driving Multiple OLED Lighting Panels", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.
- ZHANG Weiguan** #ZHANG, W and LEE, E Y J , "Electromagnetic induction readout silicon-on-insulator MEMS resonant magnetometer", *28th European Frequency and Time Forum*, Neuchatel, Switzerland, November 2014.

Section A: Publications of PhD Students

#ZHANG, W, #ZHU, H and LEE, E Y J, "Enhanced linear electrical characterization of a silicon double-ended tuning fork resonator by piezoresistive detection at the fundamental excitation frequency", *40th Int. Conf. on Micro and Nano Engineering (MNE 2014)*, Switzerland, 22-26 September 2014.

ZHANG Xin

YUEN, K S Y and #ZHANG, X, "Multiobjective evolutionary algorithm portfolio: Choosing suitable algorithm for multiobjective optimization problem", *2014 IEEE Congress on Evolutionary Computation, CEC 2014*, PRC, 6-11 July 2014, pp 1967-1973.

ZHANG Zhonghao

XU, C, WANG, P, #ZHANG, Z and LI, PING, "Joint FEC encoder and linear precoder design for MIMO systems with antenna correlation", *IEEE Int. Symp. Turbo Codes and Iterative Information Processing*, Hong Kong, PRC, 17-22 August 2014.

ZHOU Shufan

#ZHOU, S F, SINGARAM, G, XU, Y H, LAM, Y W and PANG, S W, "Cell Migration Direction Switched by Angular Gratings", *59th International Conference on Electron, Ion, and Photon Beam Technology and Nanofabrication (EIPBN2015)*, San Diego, USA, 26-29 May 2015.

ZHU Haoshen

#ZHU, H, DI, X and LEE, E Y J, "2D phononic crystal acoustic bandgap for anchor loss reduction in a contour mode 142MHz piezoelectric AlN-on-silicon micromechanical resonator", *40th Int. Conf. on Micro and Nano Engineering (MNE 2014)*, Switzerland, 22-26 September 2014.

#ZHU, H, #TU, C, RUFER, L and LEE, E Y J, "Active electronic cancellation of nonlinearity in a high-Q longitudinal-mode silicon resonator by current biasing", *28th European Frequency and Time Forum*, Neuchatel, Switzerland, November 2014, pp 12-15.

#ZHU, H and LEE, E Y J, "AlN piezoelectric on silicon MEMS resonator with boosted Q using planar patterned phononic crystals on anchors", *28th IEEE International Conference on Micro Electro Mechanical Systems (MEMS 2015)*, Estoril, Portugal, 18-22 January 2015, pp 797-800.

#ZHU, H, TU, C and LEE, E Y J, "Controlled amplification of quality factor in n-doped silicon micromechanical bulk mode resonators by thermodynamic feedback", *7th Asia-Pacific Conf. on Transducers and Micro/Nano Technologies (APCOT 2014)*, Daegu, South Korea, 29 June - 2 July 2014.

#ZHANG, W, #ZHU, H and LEE, E Y J, "Enhanced linear electrical characterization of a silicon double-ended tuning fork resonator by piezoresistive detection at the fundamental excitation frequency", *40th Int. Conf. on Micro and Nano Engineering (MNE 2014)*, Switzerland, 22-26 September 2014.

TU, C, #ZHU, H, RUFER, L and LEE, E Y J, "Low impedance very-high-frequency (VHF) band thermal piezoresistive silicon bulk acoustic resonator", *7th Asia-Pacific Conf. on Transducers and Micro/Nano Technologies (APCOT 2014)*, South Korea, 29 June - 2 July 2014.

ZHU Haotian

XUE, Q, #ZHU, H, CHIU, L, #TANG, Q Y C, ZHAO, X and PANG, S W, "Dielectric microstrip line (DML) - A new transmission line for terahertz applications", *31st General Assembly and Scientific Symposium of the International Union of Radio Science, URSI GASS 2014*, PRC, 16-23 August 2014.

Section A: Publications of PhD Students

#ZHU, H, XUE, Q, CHIU, L, LIAO, S, PANG, S W and ZHAO, X, "Narrowed-Dielectric Microstrip Line (N-DML) Analysis and Test for THz Applications", *15th IEEE Hong Kong AP/MTT Conference*, Hong Kong, PRC, 11 October 2014.

ZHU Jing

QI, T, #ZHU, J and CHEN, J, "Fundamental Bounds on Delay Margin: When is a Delay System Stabilizable?", *Chinese Control Conference, CCC*, PRC, 28-30 July 2014, pp 6006-6013.

QI, T, #ZHU, J and CHEN, J, "Fundamental Bounds on Delay Margin: When is a Delay System Stabilizable?", *2015 Chinese Control Conference*, PRC, 28-30 July 2014.

ZHU Qian

#ZHU, Q, #NG, K B and CHAN, C H, "Complementary source based circularly polarized antenna arrays for millimeter-wave applications", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 260-261.

ZHUANG Junping

#ZHUANG, J, #LI, S, #LI, X Z and CHAN, S C, "Dual-loop optical feedback for microwave phase noise reduction in nonlinear dynamics of semiconductor lasers", *The 20th OptoElectronics and Communications Conference*, PRC, 28 June - 2 July 2015.

#ZHUANG, J, #LI, S, #LI, X Z, PUSINO, V, DING, Y, SOREL, M and CHAN, S C, "Photonic Microwave generation utilizing dynamics of laser diodes", *IEEE 7th International Conference on Advanced Infocomm Technology*, PRC, 14-16 November 2014.

ZOU Bing

#ZOU, B and CHIANG, K S, "Unidirectional coupling with two matched dielectric and metal long-period gratings along a polymer waveguide", *CLEO 2015*, Optical Society of America, San Jose, USA, 10-15 May 2015.

Patents, agreements, assignments and companies

CHEUNG Wai Keung

TSANG, P W M and #CHEUNG, W K, Computer Implemented Method for Generating Binary Holograms, Patent No.: US8,873,120, United States Patent and Trademark Office, USA, 28 October 2014.

TSANG, P W M and #CHEUNG, W K, Fast Generation of Holograms, Patent No.: US8,890,931, United States Patent and Trademark Office, USA, 18 November 2014.

TSANG, P W M, #CHEUNG, W K and SITU, W, Multiple View Display of Three-Dimensional Images, Patent No.: US8,994,786, United States Patent and Trademark Office, USA, 31 March 2015.

LI Sinan

HUI, S Y R, CHEN, W, #ZHONG, W and #LI, S, Current Balancing Circuit and Method, Patent No.: US8,829,884, United States Patent and Trademark Office, USA, 9 September 2014.

LIN Deyan

HUI, S Y R, #LIN, D and NG, W M, Passive LC Ballast and Method of Manufacturing a Passive LC Ballast, Patent No.: US8,952,617, United States Patent and Trademark Office, USA, 10 February 2015.

TANG Xihui

XUE, Q, WONG, H S and #TANG, X, 寬帶圓極化貼片天綫, Patent No.: ZL201110159803.8, 中華人民共和國國家知識產權局, PRC, 8 April 2015.

Section A: Publications of PhD Students

- ZHONG Wenxing** HUI, S Y R, CHEN, W, #ZHONG, W and #LI, S , Current Balancing Circuit and Method, Patent No.: US8,829,884, United States Patent and Trademark Office, USA, 9 September 2014.
- HUI, S Y R, HO, W C and #ZHONG, W , Self-Driven AC-DC Synchronous Rectifier for Power Applications, Patent No.: US8,913,409, United States Patent and Trademark Office, USA, 16 December 2014.
- All other outputs*
- AHLGREN John, Bengt stureson** #AHLGREN, J B S , *Automated Programming Using Constrained Inductive Logic Programming*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 24 October 2014.
- CHAN Wai Ying** #CHAN, W Y , *Optical Waveguide Devices with Mach-Zehnder Interferometer Structure for Optical Communication and Sensing Applications*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 31 July 2014.
- CHEN Yuan** #CHEN, Y , *Algorithm Development for Robust Parameter Estimation*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 22 December 2014.
- CHI Haoran** #CHI, H H , "A Design of ZigBee Based Advanced Metering Infrastructure with Interference Avoidance", IET Younger Members Section - Exhibition/Conference 1st Runner-up (Postgraduate Category), IET Younger Members Section, 2014.
- CHUI Kwok Tai** #CHUI, K T J and #LI, Y S B , "Driver Fatigue Detection using A Novel ECG based Drowsiness Detection Algorithm with Head Distraction Detection", 2014 IEEE Region 10 Student Paper Contest 2nd Prize Award (Post-Graduate Category), IEEE Region 10, 1 July 2014.
- WANG, H Y, WANG, Y R, LING, B W K, GUI, Y, TSANG, K F and #CHUI, K T J , "Single-channel Music/Speech separation using fractional fourier transform and log-nonnegative matrix factorization", Overall Best Paper of the Conference Award, This award is shared with Hong-Ying Wang, Ya-Ru Wang, Bingo W. K. Ling, Yuping Gui, and K. F. Tsang, IEEE International Conference on Consumer Electronics - China 2015, 11 April 2015.
- FAN Wei** #FAN, W , *Community Structure and Its Applications in Online Social Networks*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- GAO Yuan** #GAO, Y , Outstanding Academic Performance Award for Research Degree Students, 17 September 2014.
- GE Lei** #GE, L , *Reconfigurable Magneto-electric Dipole Antennas for Wireless Communications*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 2 April 2015.
- #GE, L , "Unidirectional antenna for cognitive radio applications", Student Innovation Competition (First Prize), 2014 IEEE International Workshop on Electromagnetics, 5 August 2014.

Section A: Publications of PhD Students

- HOU Ling** #HOU, L , *Routing on Cognitive Radio Ad-Hoc Networks: Link Availability, Efficiency and Virus Propagation*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 5 September 2014.
- HU Xiao** #HU, X , "Electroless Ni-P-ZrO₂ Metallization for Lead-free Solder Interconnection", JCAP Outstanding Paper Award, The International Conference on Electronic Packaging (ICEP), 2014.
- HUANG Linyu** #HUANG, L , *Wireless Broadcast with Network Coding*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 3 September 2014.
- HUANG Zhe** #HUANG, Z , *Design and Fabrication of Terahertz Thin Film Polarizer*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 14 April 2015.
- LAM Yau King** #LAM, Y K , *Digital-hologram Segmentation Based on the Virtual-diffraction-plane Framework, Vector Quantization and Density-based Clustering*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 5 February 2015.
- LEE Wah Ching** #LEE, W C , *Ubiquitous Techniques and Applications for Smart Mobility*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 26 May 2015.
- LEE Wai Ki** #LEE, W K , *Novel Antenna Minimization Techniques*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 12 March 2015.
- LI Mingjian** #LI, M , *Wideband Antennas and Arrays for 60-GHz Wireless Communications*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 3 September 2014.
- LI Weiwei** #LI, W , *Omnidirectional Dielectric Resonator Antennas for Achieving Circularly Polarized Diversity*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 29 August 2014.
- LI Yee Shing, Benjamin** #CHUI, K T J and #LI, Y S B , "Driver Fatigue Detection using A Novel ECG based Drowsiness Detection Algorithm with Head Distraction Detection", 2014 IEEE Region 10 Student Paper Contest 2nd Prize Award (Post-Graduate Category), IEEE Region 10, 1 July 2014.
- #LI, Y S B , *Characterization and Learning with Structured Objects in Bioinformatics and Chemoinformatics*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 9 June 2015.
- LIANG Jiayu** #LIANG, J , *A Novel Saliency Prediction Method Based on Fast Radial Symmetry Transform and Its Extensions*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 18 May 2015.
- LIN Wei** #LIN, W , "Novel Wideband and Reconfigurable Circularly-Polarized Antennas for Satellite Communication Systems", IEEE HK Section Student Paper Contest Second Prize (Postgraduate Category), IEEE HK Section, 2014.

Section A: Publications of PhD Students

#LIN, W , Second Prize in the IEEE Hong Kong Section 2014 (PG) Student Paper Contest, IEEE Hong Kong Section, 27 March 2015.

LIU Daqing #LIU, D , *The Multilevel Green's Function Interpolation Method and Its Application in the Analysis of Microstrip Antenna Array*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 22 January 2015.

LIU Ye #LIU, Y , *Quality-aware Network Coding for Wireless Networks*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 5 September 2014.

LIU Zhiyang #LIU, Z , *To Co-locate or to Distribute: A Comparative Study on the Asymptotic Downlink Performance of MIMO Cellular Networks with Massive Base-station Antennas*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 8 October 2014.

LU Ziyang #LU, Z Y , *SRAM-based Architectures for High-speed IP Address Lookup and Packet Classification*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 4 August 2014.

MAO Tian #MAO, T , "An Intelligent Scatter Search (ISS) Algorithm for Scheduling of Charging a Single EV", IEEE PES Asia-Pacific Power and Energy Engineering Conference Best Student Paper Award, IEEE PES Asia-Pacific Power and Energy Engineering Conference, 2014.

QIAN Fengyong #QIAN, F , *Linear Transceiver Designs for Multi-Antenna Systems*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 14 July 2014.

ULLAH Zahid #ULLAH, Z , *SRAM-based Ternary Content Addressable Memory*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 1 August 2014.

WANG Dan #WANG, D D D W , *Deciphering Inter- and Intra-molecular Interactions Based on the Dynamic and Structural Properties of Molecules*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 22 August 2014.

WANG Dian #WANG, D , *Research on Microwave and Millimeter-wave Microstrip Antennas Using Printed and Plated-through-hole Technologies*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 29 April 2015.

WANG Junyuan #WANG, J , *Downlink Rate Analysis of Large-scale Multi-user Distributed Antenna System (DAS): From Cellular DAS to Virtual-cell Based DAS* , PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 10 April 2015.

WANG Meilin #WANG, M , *Routing in Internet of Things: Connectivity, Energy Efficiency and Security*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 22 December 2014.

WANG Zhixin #WANG, Z , *Head-related Transfer Function Modeling and Customization*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 3 September 2014.

Section A: Publications of PhD Students

- XIN Yao** #XIN, Y , *Customizable Architectures for Data-intensive Bio-signal Processing*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 15 March 2015.
- XU Sha** #XU, S , *Metal/Carbon Nanotube Composite Materials and Their Application in Advanced Electronic Packaging*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 31 October 2014.
- XU Xuyuan** #XU, X , *Depth Estimation and Enhancement for 3D Video View Synthesis*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 22 August 2014.
- YANG Cuili** #YANG, C L , *Synchronizability and Controllability of Complex Networks: An Optimization Perspective*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 17 July 2014.
- YE Guodong** #YE, G , *Design and Analysis of Some New Chaotic Image Encryption Schemes*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 19 May 2015.
- YU Quan** #YU, Q , *Heterogeneous Distributed Storage Systems: Modeling, Optimization and Coding*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 3 October 2014.
- ZHANG Jianwen** #ZHANG, J , *Distributive Cooperation in Multiple Input Multiple Output Systems*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 5 August 2014.
- ZHANG Weiguan** #ZHANG, W , *Micromechanical Resonators for Magnetic Field Sensing*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2014.
- ZHOU Junwei** #ZHOU, J , *Distributed Arithmetic Coding: Theory and Applications*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 24 October 2014.
- ZHOU Shufan** #ZHOU, S F , *Polymer Fiber Bragg Gratings in Terahertz Region*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 13 August 2014.
- ZHU Haoshen** #ZHU, H , *Nonlinear Behavior and Temperature-dependence of Frequency in Silicon Bulk-mode Micromechanical Resonators*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 10 March 2015.
- ZOU Bing** #ZOU, B , *Optical Waveguide Gratings: Phase Retrieval and Unidirectional Coupling*, PhD Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 19 November 2014.

Section A: Publications of PhD Students

All other outputs

GAO Huadong #GAO, H, *Analysis of Linearized Finite Element Methods for Several Nonlinear Parabolic Equations in Physics and Material Sciences*, PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 15 August 2014.

GUO Wenxuan #GUO, W, *Universality of Finger Growth in Rayleigh-Taylor and Richtmyer-Meshkov Instabilities with All Density Ratios*, PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 4 May 2015.

LIU Yang #LIU, Y, *Analytic Studies on Bifurcations of a Hyperelastic Layer-substrate Structure under Uniaxial Compression*, PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 11 June 2015.

DEPARTMENT OF MECHANICAL AND BIOMEDICAL ENGINEERING

Journal publications

BAI Tianxiang #BAI, T X B, LI, Y F and #ZHOU, X, "Learning Local Appearances With Sparse Representation for Robust and Fast Visual Tracking", *IEEE Transactions on Cybernetics*, 45(4), April 2015, pp 663-675, doi: 10.1109/TCYB.2014.2332279.

CHALASANI Dharmendra #CHALASANI, D, KAMINENI, P R, PRASAD, Y V R K, HORT, N and KAINER, K U, "Comparative study of microstructure and texture of cast and homogenized TX32 magnesium alloy after hot deformation", *Metals and Materials International*, 21(1), January 2015, pp 134-146, doi: 10.1007/s12540-015-1016-6.

#CHALASANI, D, KAMINENI, P R, ZHAO, F, PRASAD, Y V R K, HORT, N and KAINER, K U, "Effect of aluminum on microstructural evolution during hot deformation of TX32 magnesium alloy", *Journal of Materials Science*, 49(17), 2014, pp 5885-5898, doi: 10.1007/s10853-014-8300-6.

CHEN Xuemei #HAO, C, #LIU, Y, #CHEN, X, #HE, Y, #LI, Q, #LI, K Y and #WANG, Z, "Electrowetting on liquid-infused film (EWOLF): Complete reversibility and controlled droplet oscillation suppression for fast optical imaging", *Scientific Reports*, Vol 4, 30 October 2014, p 6846, doi: 10.1038/srep06846.

#HOU, Y, #YU, M, #CHEN, X, #WANG, Z and #YAO, S, "Recurrent Filmwise and Dropwise Condensation on a Beetle Mimetic Surface", *ACS Nano*, 9(1), January 2015, pp 71-81, doi: 10.1021/nm505716b.

CUI Xin #YIP, H M, #LI, C S, #XIE, K, #CUI, X, #PRASAD, A, #GAO, Q, #LEUNG, C C and #LAM, R H W, "Automated Long-Term Monitoring of Parallel Microfluidic Operations Applying a Machine Vision-Assisted Positioning Method", *Scientific World Journal*, Vol 2014, 15 July 2014, p 608184, doi: 10.1155/2014/608184.

#YANG, C, #HU, D, #SUN, B, #CUI, X, #ZHU, Q and #LAM, R H W, "Mixing in an Enclosed Microfluidic Chamber through Moving Boundary Motions", *Microfluidics and Nanofluidics*, Vol 19, Summer 2015, pp 1-10, doi: 10.1007/s10404-015-1596-y.

DONG Jichen #ZHANG, Q, #WANG, J, #DONG, J, #DING, F, #LI, X, #ZHANG, B, #YANG, S and #ZHANG, K, "Facile general strategy toward hierarchical mesoporous transition metal oxides arrays on three-dimensional macroporous foam with superior lithium storage properties", *Nano Energy*, Vol 13, 17 February 2015, p 77-91, doi: 10.1016/j.nanoen.2015.01.029.

Section A: Publications of PhD Students

HE, M, #DONG, J, ZHANG, K, DING, F, JIANG, H, LOISEAU, A, LEHTONEN, J and KAUPPINEN, E I , "Precise Determination of the Threshold Diameter for a Single-Walled Carbon Nanotube To Collapse", *ACS Nano*, 8(9), 18 August 2014, pp 9657-9663.

FANG Yuqiang

#FANG, Y Q, IU, C Y Y, LUI, C N P, ZOU, Y, FUNG, C K M, LI, H W, XI, N, YUNG, K K L and LAI, W C K , "Investigating dynamic structural and mechanical changes of neuroblastoma cells associated with glutamate-mediated neurodegeneration", *Scientific Reports*, 4(7074), 17 November 2014, pp 1-10, doi: 10.1038/srep07074.

GAO Qing

#GAO, Q, FENG, G, XI, Z, WANG, Y and QIU, J , "A New Design of Robust H-infinity Sliding Mode Control for Uncertain Stochastic T-S Fuzzy Time-Delay Systems", *IEEE Transactions on Cybernetics*, 44(9), September 2014, pp 1556-1566, doi: 10.1109/TCYB.2013.2289923.

#GAO, Q, FENG, G, LIU, L, QIU, J and WANG, Y , "Robust H-infinity Control for Stochastic T-S Fuzzy Systems via Integral Sliding-Mode Approach", *IEEE Transactions on Fuzzy Systems*, 22(4), August 2014, pp 870-881, doi: 10.1109/TFUZZ.2013.2277732.

GHESHLAGHI Behnam

KOUHIHABIBI, M, #TOURKI SAMAEL, A, #GHESHLAGHI, B, LU, J and LU, Y , "Asymmetric flexural behavior from bamboo's functionally graded hierarchical structure: Underlying mechanisms", *Acta Biomaterialia*, Vol 16, 1 April 2015, pp 178-186, doi: 10.1016/j.actbio.2015.01.038.

GOU Xue

#YANG, H, #GOU, X, WANG, Y, FAHMY, T M, LEUNG, A Y -, LU, J and SUN, D , "A Dynamic Model of Chemoattractant-Induced Cell Migration", *Biophysical Journal*, 108(7), 7 April 2015, pp 1645-1651, doi: 10.1016/j.bpj.2014.12.060.

#GOU, X, #YANG, H, FAHMY, T M, WANG, Y and SUN, D , "Direct measurement of cell protrusion force utilizing a robot-aided cell manipulation system with optical tweezers for cell migration control", *International Journal of Robotics Research*, 33(14), December 2014, pp 1782-1792, doi: 10.1177/0278364914546536.

GUO Jing

LIU, S Y, LIU, S, LI, D, WANG, S, #GUO, J and SHEN, Y , "Ab initio atomistic thermodynamics study on the oxidation mechanism of binary and ternary alloy surfaces", *Journal of Chemical Physics*, 142(6), 14 February 2015, p 064705, doi: 10.1063/1.4907718.

#GUO, J, LIU, Z, WANG, S and SHEN, Y , "Enhancement of thermal stability by microstructural refinement in nanocomposite materials", *Scripta Materialia*, Vol 87, 15 September 2014, pp 33-36, doi: 10.1016/j.scriptamat.2014.05.015.

GUO Liang

LIU, H C, GUO, F, #GUO, L and WONG, P P L , "A Dichromatic Interference Intensity Modulation Approach to Measurement of Lubricating Film Thickness", *Tribology Letters*, 58(15), April 2015, pp 1-11, doi: 10.1007/s11249-015-0480-y.

#GUO, L, WONG, P P L and GUO, F , "Correlation of contact angle hysteresis and hydrodynamic lubrication", *Tribology Letters*, 58(3), 2015.

#GUO, L, WONG, P P L, GUO, F and LIU, H C , "Determination of thin hydrodynamic lubricating film thickness using dichromatic interferometry", *Applied Optics*, 53(26), 2014, pp 6066-6072.

Section A: Publications of PhD Students

- GUO Meichen** #GUO, M G and LIU, L, "Adaptive output regulation problem for a class of nonlinear systems (一类非线性输出反馈系统的自适应输出调节问题)", *Journal of Control Theory and Applications*, 31(7), July 2014, pp 987-992.
- HAO Chonglei** #HAO, C, #LIU, Y, #CHEN, X, HE, Y, LI, Q, LI, K Y and WANG, Z, "Electrowetting on liquid-infused film (EWOLF): Complete reversibility and controlled droplet oscillation suppression for fast optical imaging", *Scientific Reports*, Vol 4, 30 October 2014, p 6846, doi: 10.1038/srep06846.
- HUANG, Y, HU, H, #HUANG, Y, #ZHU, M, MENG, W, LIU, C, #PEI, Z, #HAO, C, WANG, Z and ZHI, C, "From Industrially Weavable and Knittable Highly Conductive Yarns to Large Wearable Energy Storage Textiles", *ACS Nano*, Vol 9, 5 April 2015, pp 4766-4775.
- HU Dinglong** #YANG, C, #HU, D, #SUN, B, #CUI, X, ZHU, Q and LAM, R H W, "Mixing in an Enclosed Microfluidic Chamber through Moving Boundary Motions", *Microfluidics and Nanofluidics*, Vol 19, Summer 2015, pp 1-10, doi: 10.1007/s10404-015-1596-y.
- HU Wenfeng** #HU, W, LIU, L and FENG, G, "Consensus of Linear Multi-Agent Systems by Distributed Event-Triggered Strategy", *IEEE Transactions on Cybernetics*, 13 February 2015, doi: 10.1109/TCYB.2015.2398892.
- HUAN Zhijie** CHU, K H H, #HUAN, Z, MILLS, J K, YANG, J and SUN, D, "Three-dimensional cell manipulation and patterning using dielectrophoresis via a multi-layer scaffold structure", *Lab on a Chip*, 15(3), 2015, pp 920-930, doi: 10.1039/c4lc01247j.
- JU Tao** #JU, T, LIU, S, YANG, J and SUN, D, "Rapidly Exploring Random Tree Algorithm-Based Path Planning for Robot-Aided Optical Manipulation of Biological Cells", *IEEE Transactions on Automation Science and Engineering*, 11(3), July 2014, pp 649-657, doi: 10.1109/TASE.2013.2289311.
- LAI Hok Sum Sam** #ZHAO, Y, #LAI, H S S, ZHANG, G, LEE, G and LI, W J, "Measurement of single leukemia cell's density and mass using optically induced electric field in a microfluidics chip", *Biomicrofluidics*, 9(2), 17 April 2015, pp 022406-1-022406-10.
- LIU, N, WEI, F, LIU, L, #LAI, H S S, YU, H, WANG, Y, LEE, G and LI, W J, "Optically-controlled digital electrodeposition of thin-film metals for fabrication of nano-devices", *Optical Materials Express*, 5(4), 1 April 2015, pp 838-848, doi: 10.1364/OME.5.000838.
- LIANG, W, LIU, L, #LAI, H S S, WANG, Y, LEE, G and LI, W J, "Rapid assembly of gold nanoparticle-based microstructures using optically-induced electrokinetics", *Optical Materials Express*, 4(11), 1 November 2014, pp 2368-2380, doi: 10.1364/OME.4.002368.
- #ZHAO, Y, #LAI, H S S, ZHANG, G, LEE, G and LI, W J, "Rapid determination of cell mass and density using digitally controlled electric field in a microfluidic chip", *Lab on a Chip*, 14(22), 2014, pp 4426-4434.
- WANG, F F, #LAI, H S S, LIU, L, LI, P, YU, H, LIU, Z, WANG, Y and LI, W J, "Super-resolution endoscopy for real-time wide-field imaging", *Optics Express*, 23(13), 29 June 2015, pp 16803-16811.

Section A: Publications of PhD Students

- LI Jing** CHOW, P K, SINGH, E, VIANA, B C, GAO, J, LUO, J, #LI, J, LIN, Z, ELIAS, A L, SHI, Y, WANG, Z, TERRONES, M and KORATKAR, N , "Wetting of Mono and Few-Layered WS₂ and MoS₂ Films Supported on Si/SiO₂ Substrates", *ACS Nano*, 9(3), March 2015, pp 3023-3031, doi: 10.1021/nn5072073.
- LI Jun Yang** XUE, C, #LI, J Y, ZHANG, Q, ZHANG, Z, HAI, Z, GAO, L, FENG, R, TANG, J, LIU, J, ZHANG, W and SUN, D , "A Novel Arch-Shape Nanogenerator Based on Piezoelectric and Triboelectric Mechanism for Mechanical Energy Harvesting", *Nanomaterials*, 5(1), 26 December 2014, pp 36-46, doi: 10.3390/nano5010036.
- LI Shaobao** #LI, S, FENG, G, WANG, J, LUO, X and GUAN, X , "Adaptive control for cooperative linear output regulation of heterogeneous multi-agent systems with periodic switching topology", *IET Control Theory and Applications*, 9(1), 2015, pp 34-41.
- LI Wai Tsun, Vincent** #LIN, X, WANG, S, YU, X, LIU, Z, WANG, F, #LI, W T V, CHENG, S H, DAI, Q and SHI, P , "High-throughput mapping of brain-wide activity in awake and drug-responsive vertebrates", *Lab on a Chip*, 15(3), 7 February 2015, pp 680-689, doi: 10.1039/c4lc01186d.
- LI Wei** #LI, W, #TANG, Q Y C, JADHAV, A, NARANG, A, QIAN, W, SHI, P and PANG, S W , "Large-scale Topographical Screen for Investigation of Physical Neural-Guidance Cues", *Scientific Reports*, 5(8644), 2 March 2015, pp 1-8, doi: 10.1038/srep08644.
- JADHAV, A, BAO, Y, LUO, R, #LI, W, #XU, Z, CHEN, C and SHI, P , "Photoresponsive microvalve for remote actuation and flow control in microfluidic devices", *Biomicrofluidics*, 9(3), May 2015, p 034114, doi: 10.1063/1.4923257.
- #WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P , "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.
- #LI, W, LUO, R, #LIN, X, JADHAV, A, ZHANG, Z, #YAN, L, CHUNG YUEN, C, CHEN, X F, HE, J, CHEN, C H and SHI, P , "Remote modulation of neural activities via near-infrared triggered release of biomolecules", *Biomaterials*, Vol 65, 2015, pp 76-85.
- LI Xiangpeng** #LI, X, #YANG, H, #WANG, J and SUN, D , "Design of a robust unified controller for cell manipulation with a robot-aided optical tweezers system", *Automatica*, Vol 55, May 2015, pp 279-286, doi: 10.1016/j.automatica.2015.03.013.
- LIN Xudong** JU, Q, #CHEN, X, #AI, F, PENG, D, #LIN, X, KONG, W, SHI, P, ZHU, G and WANG, F , "An upconversion nanoprobe operating in the first biological window", *JOURNAL OF MATERIALS CHEMISTRY B*, Vol 3, 19 March 2015, pp 3548-3555, doi: 10.1039/c5tb00025d.
- #LIN, X, WANG, S, YU, X, LIU, Z, WANG, F, #LI, W T V, CHENG, S H, DAI, Q and SHI, P , "High-throughput mapping of brain-wide activity in awake and drug-responsive vertebrates", *Lab on a Chip*, 15(3), 7 February 2015, pp 680-689, doi: 10.1039/c4lc01186d.
- #LI, W, LUO, R, #LIN, X, JADHAV, A, ZHANG, Z, #YAN, L, CHUNG YUEN, C, CHEN, X F, HE, J, CHEN, C H and SHI, P , "Remote modulation of neural activities via near-infrared triggered release of biomolecules", *Biomaterials*, Vol 65, 2015, pp 76-85.

Section A: Publications of PhD Students

- LIU Chang** #WU, G, LIU, Y, #LIU, C, TANG, Q, MIAO, X and LU, J, "Novel multilayer structure design of metallic glass film deposited Mg alloy with superior mechanical properties and corrosion resistance", *Intermetallics*, Vol 62, 2015, pp 22-26, doi: 10.1016/j.intermet.2015.02.019.
- LIU Jianyang** #LIU, J, LI, Y F and CHEN, S, "Robust Camera Calibration by Optimal Localization of Spatial Control Points", *IEEE Transactions on Instrumentation and Measurement*, 63(12), December 2014, pp 3076-3087, doi: 10.1109/TIM.2014.2324792.
- LIU Wei** LI, Y, #ZHAO, Z, LAM, M L, #LIU, W, YEUNG, P P, CHIENG, C and CHEN, T, "Hybridization-induced suppression of coffee ring effect for nucleic acid detection", *Sensors and Actuators B-Chemical*, Vol 206, January 2015, pp 56-64, doi: 10.1016/j.snb.2014.09.006.
- LIU Weihong** #LIU, W, HE, J Y, HUANG, H L, WANG, H, LU, Z P and LIU, C T, "Effects of Nb additions on the microstructure and mechanical property of CoCrFeNi high-entropy alloys", *Intermetallics*, Vol 60, 1 May 2015, pp 1-8.
- LIU Xiaowei** LI, W, #LIU, X, LU, Y and YAO, H, "Microscopic pillars and tubes fabricated by using fish dentine as a molding template", *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 15(9), 25 August 2014, pp 14909-14920.
- LIU Yahua** #HAO, C, #LIU, Y, #CHEN, X, HE, Y, LI, Q, LI, K Y and WANG, Z, "Electrowetting on liquid-infused film (EWOLF): Complete reversibility and controlled droplet oscillation suppression for fast optical imaging", *Scientific Reports*, Vol 4, 30 October 2014, p 6846, doi: 10.1038/srep06846.
- MOEVIUS, L, #LIU, Y, WANG, Z and YEOMANS, J M, "Pancake Bouncing: Simulations and Theory and Experimental Verification", *Langmuir*, 30(43), 4 November 2014, pp 13021-13032, doi: 10.1021/la5033916.
- SUN Baoce** #YANG, C, #HU, D, #SUN, B, #CUI, X, ZHU, Q and LAM, R H W, "Mixing in an Enclosed Microfluidic Chamber through Moving Boundary Motions", *Microfluidics and Nanofluidics*, Vol 19, Summer 2015, pp 1-10, doi: 10.1007/s10404-015-1596-y.
- TORABI Mohsen** #TORABI, M, ZHANG, K, YANG, G, WANG, J and WU, P, "Heat transfer and entropy generation analyses in a channel partially filled with porous media using local thermal non-equilibrium model", *Energy*, Vol 82, 15 March 2015, pp 922-938, doi: 10.1016/j.energy.2015.01.102.
- #TORABI, M and ZHANG, K, "Heat transfer and thermodynamic performance of convective-radiative cooling double layer walls with temperature-dependent thermal conductivity and internal heat generation", *Energy Conversion and Management*, Vol 89, 1 January 2015, pp 12-23, doi: 10.1016/j.enconman.2014.09.032.
- #TORABI, M and ZHANG, K, "Multi-dimensional dual-phase-lag heat conduction in cylindrical coordinates: Analytical and numerical solutions", *International Journal of Heat and Mass Transfer*, Vol 78, 2014, pp 960-966.
- #TORABI, M, ZHANG, K and MAHMUD, S, "Temperature and Entropy Generation Analyses Between and Inside Rotating Cylinders Using Copper-Water Nanofluid", *Journal of Heat Transfer-Transactions of the ASME*, 137(5), May 2015, pp 051701-1-051701-10, doi: 10.1115/1.4029596.

Section A: Publications of PhD Students

#TORABI, M and ZHANG, K , "Temperature distribution and classical entropy generation analyses in an asymmetric cooling composite hollow cylinder with temperature-dependent thermal conductivity and internal heat generation", *Energy*, Vol 73, 2014, pp 484-496.

#TORABI, M, ZHANG, K, YANG, G, WANG, J and WU, P , "Temperature distribution, local and total entropy generation analyses in asymmetric cooling composite geometries with multiple nonlinearities: Effect of imperfect thermal contact", *Energy*, Vol 78, 15 December 2014, pp 218-234, doi: 10.1016/j.energy.2014.10.009.

TOURKI SAMAEL
Arash

#KOUHIHABIBI, M, #TOURKI SAMAEL, A, #GHESHLAGHI, B, LU, J and LU, Y , "Asymmetric flexural behavior from bamboo's functionally graded hierarchical structure: Underlying mechanisms", *Acta Biomaterialia*, Vol 16, 1 April 2015, pp 178-186, doi: 10.1016/j.actbio.2015.01.038.

WANG Jianjun

#LI, X, #YANG, H, #WANG, J and SUN, D , "Design of a robust unified controller for cell manipulation with a robot-aided optical tweezers system", *Automatica*, Vol 55, May 2015, pp 279-286, doi: 10.1016/j.automatica.2015.03.013.

WANG Ying

#WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P , "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.

WU Ge

#WU, G, LIU, Y, #LIU, C, TANG, Q, MIAO, X and LU, J , "Novel multilayer structure design of metallic glass film deposited Mg alloy with superior mechanical properties and corrosion resistance", *Intermetallics*, Vol 62, 2015, pp 22-26, doi: 10.1016/j.intermet.2015.02.019.

XIE Kai

YIP, H M, LI, C S, #XIE, K, #CUI, X, PRASAD, A, GAO, Q, LEUNG, C C and LAM, R H W , "Automated Long-Term Monitoring of Parallel Microfluidic Operations Applying a Machine Vision-Assisted Positioning Method", *Scientific World Journal*, Vol 2014, 15 July 2014, p 608184, doi: 10.1155/2014/608184.

XU Daguo

#ZHOU, X, #XU, D, LU, J and ZHANG, K , "CuO/Mg/fluorocarbon sandwich-structure superhydrophobic nanoenergetic composite with anti-humidity property", *Chemical Engineering Journal*, Vol 266, 15 April 2015, pp 163-170, doi: 10.1016/j.cej.2014.12.087.

XU Shang

XU, J, #WANG, C, LIU, J, #XU, S, ZHANG, W J and LU, Y , "Facile fabrication of a novel nanoporous Au/AgO composite for electrochemical double-layer capacitor", *RSC Advances*, 5(49), 15 April 2015, pp 38995-39002.

XU Zhen

JADHAV, A, BAO, Y, LUO, R, #LI, W, #XU, Z, CHEN, C and SHI, P , "Photoresponsive microvalve for remote actuation and flow control in microfluidic devices", *Biomicrofluidics*, 9(3), May 2015, p 034114, doi: 10.1063/1.4923257.

YAN Xiao

#YAN, X and SUN, D , "Multilevel-Based Topology Design and Cell Patterning With Robotically Controlled Optical Tweezers", *IEEE Transactions on Control Systems Technology*, 23(1), January 2015, pp 176-185, doi: 10.1109/TCST.2014.2317798.

YANG Chengpeng

#YANG, C, #HU, D, #SUN, B, #CUI, X, ZHU, Q and LAM, R H W , "Mixing in an Enclosed Microfluidic Chamber through Moving Boundary Motions", *Microfluidics and Nanofluidics*, Vol 19, Summer 2015, pp 1-10, doi: 10.1007/s10404-015-1596-y.

Section A: Publications of PhD Students

- YANG Hao** #YANG, H, #GOU, X, WANG, Y, FAHMY, T M, LEUNG, A Y -, LU, J and SUN, D , "A Dynamic Model of Chemoattractant-Induced Cell Migration", *Biophysical Journal*, 108(7), 7 April 2015, pp 1645-1651, doi: 10.1016/j.bpj.2014.12.060.
- #LI, X, #YANG, H, #WANG, J and SUN, D , "Design of a robust unified controller for cell manipulation with a robot-aided optical tweezers system", *Automatica*, Vol 55, May 2015, pp 279-286, doi: 10.1016/j.automatica.2015.03.013.
- #GOU, X, #YANG, H, FAHMY, T M, WANG, Y and SUN, D , "Direct measurement of cell protrusion force utilizing a robot-aided cell manipulation system with optical tweezers for cell migration control", *International Journal of Robotics Research*, 33(14), December 2014, pp 1782-1792, doi: 10.1177/0278364914546536.
- YANG Runhuai** #YANG, R, TAM, C H, CHEUNG, K L, WONG, K C, XI, N, YANG, J and LAI, W C K , "Cell Segmentation and Pipette Identification for Automated Patch Clamp Recording", *Robotics and Biomimetics*, 1(20), 1 December 2014, pp 1-12, doi: 10.1186/s40638-014-0020-5.
- YANG Weilin** #YANG, W, FENG, G and ZHANG, T , "Robust model predictive control for discrete-time Takagi-Sugeno fuzzy systems with structured uncertainties and persistent disturbances", *IEEE Transactions on Fuzzy Systems*, 22(5), 2014, pp 1213-1228.
- YE Yifan** #YE, Y F, LIU, C T and YANG, Y , "A geometric model for intrinsic residual strain and phase stability in high entropy alloys", *Acta Materialia*, Vol 94, 2015, pp 152-161, doi: 10.1016/j.actamat.2015.04.051.
- #YE, Y F, WANG, Q, LU, J, LIU, C T and YANG, Y , "Design of high entropy alloys: A single-parameter thermodynamic rule", *Scripta Materialia*, Vol 104, 2015, pp 53-55, doi: 10.1016/j.scriptamat.2015.03.023.
- YANG, Y, FU, X, WANG, S, LIU, Z, #YE, Y F, SUN, B and LIU, C T , "Probing Stochastic Nano-Scale Inelastic Events in Stressed Amorphous Metal", *Scientific Reports*, Vol 4, 21 October 2014, pp 6699-1-6699-7.
- WANG, S, #YE, Y F, SUN, B, LIU, C T, SHI S. Q. and YANG, Y , "Softening-induced plastic flow instability and indentation size effect in metallic glass", *Journal of the Mechanics and Physics of Solids*, Vol 77, 2015, pp 70-85, doi: 10.1016/j.jmps.2015.01.008.
- #YE, Y, WANG, Q, LU, J, LIU, C T and YANG, Y , "The generalized thermodynamic rule for phase selection in multicomponent alloys", *Intermetallics*, Vol 59, April 2015, pp 75-80, doi: 10.1016/j.intermet.2014.12.011.
- YU Chunyan** #YU, C, LIU, X J, ZHENG, G P, NIU, X and LIU, C T , "Atomistic approach to predict the glass-forming ability in Zr-Cu-Al ternary metallic glasses", *Journal of Alloys and Compounds*, Vol 627, 5 April 2015, pp 48-53, doi: 10.1016/j.jallcom.2014.12.023.
- JIAO, Z, LUAN, J, MILLER, M K, #YU, C and LIU, C T , "Effects of Mn partitioning on nanoscale precipitation and mechanical properties of ferritic steels strengthened by NiAl nanoparticles", *Acta Materialia*, Vol 84, 1 February 2015, pp 283-291.
- #YU, C, LIU, X J and LIU, C T , "First-principles prediction of the glass-forming ability in Zr-Ni binary metallic glasses", *Intermetallics*, Vol 53, 1 October 2014, pp 177-182.

Section A: Publications of PhD Students

- YUAN Xiaoyun** #YUAN, X and MA, W Y, "Parametric mesh regularization for interpolatory shape design and isogeometric analysis over a mesh of arbitrary topology", *Computer Methods in Applied Mechanics and Engineering*, Vol 284, 1 February 2015, pp 906-942, doi: 10.1016/j.cma.2014.10.056.
- ZHAN Yuexing** #ZHAN, Y and NIU, X, "Tuning Methods and Mechanical Modeling of Hydrogels", *BIOINSPIRED BIOMIMETIC AND NANOBIO MATERIALS*, 4(2), 20 December 2014, pp 140-154, doi: 10.1680/bbn.14.00029.
- ZHANG Hongti** WANG, W, LI, S, #ZHANG, H and LU, Y, "Recent developments in testing techniques for elastic mechanical properties of 1-D nanomaterials", *Recent Patents on Nanotechnology*, 9(1), April 2015, pp 33-42.
- ZHANG Hui** #ZHANG, H, ZHANG, D Y, HUA, M, DONG, G N and CHIN, K S, "A Study on the Tribological Behavior of Surface Texturing on Babbitt Alloy under Mixed or Starved Lubrication", *Tribology Letters*, 56(2), 2014, pp 305-315.
- #ZHANG, H, QIN, L G, HUA, M, DONG, G N and CHIN, K S, "A tribological study of the petaloid surface texturing for Co–Cr–Mo alloy artificial joints", *Applied Surface Science*, Vol 332, 2015, pp 557-564.
- #ZHANG, H, DONG, G N, HUA, M, GUO, F F and CHIN, K S, "Parametric design of surface textures on journal bearing", *Industrial Lubrication and Tribology*, 67(4), 2015, pp 359-369.
- ZHANG Jie** #ZHANG, J, ZHAN, Y, BIAN, H, LI, Z, #TSANG, C K, #LEE, C M C, CHENG, H, #SHU, S, LI, Y Y and LU, J, "Electrochemical dealloying using pulsed voltage waveforms and its application for supercapacitor electrodes", *Journal of Power Sources*, Vol 257, 1 July 2014, pp 374-379, doi: 10.1016/j.jpowsour.2013.11.039.
- ZHANG Mei** #ZHANG, M, #WANG, P, SUN, H and WANG, Z, "Superhydrophobic Surface with Hierarchical Architecture and Bimetallic Composition for Enhanced Antibacterial Activity", *ACS Applied Materials & Interfaces*, 6(24), 24 December 2014, pp 22108-22115, doi: 10.1021/am505490w.
- ZHANG Qiaobao** LI, L, CHEN, Z, #ZHANG, Q, XU, M, #ZHOU, X, ZHU, H and ZHANG, K, "A hydrolysis-hydrothermal route for the synthesis of ultrathin LiAlO₂-inlaid LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ as a high-performance cathode material for lithium ion batteries", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(2), 2015, pp 894-904, doi: 10.1039/c4ta05902f.
- #ZHANG, Q, WANG, J, #DONG, J, DING, F, LI, X, ZHANG, B, YANG, S and ZHANG, K, "Facile general strategy toward hierarchical mesoporous transition metal oxides arrays on three-dimensional macroporous foam with superior lithium storage properties", *Nano Energy*, Vol 13, 17 February 2015, p 77–91, doi: 10.1016/j.nanoen.2015.01.029.
- CHEN, H, #ZHANG, Q, WANG, J, WANG, Q, #ZHOU, X, LI, X, YANG, Y and ZHANG, K, "Mesoporous ZnCo₂O₄ microspheres composed of ultrathin nanosheets cross-linked with metallic NiSi_x nanowires on Ni foam as anodes for lithium ion batteries", *Nano Energy*, Vol 10, 2 October 2014, p 245–258.

Section A: Publications of PhD Students

WANG, J, #ZHANG, Q, LI, X, ZHANG, B, MAI, L and ZHANG, K , "Smart construction of three-dimensional hierarchical tubular transition metal oxide core/shell heterostructures with high-capacity and long-cycle-life lithium storage", *Nano Energy*, Vol 12, 9 January 2015, p 437–446.

ZHAO Yuliang

#ZHAO, Y, #LAI, H S S, ZHANG, G, LEE, G and LI, W J , "Measurement of single leukemia cell's density and mass using optically induced electric field in a microfluidics chip", *Biomicrofluidics*, 9(2), 17 April 2015, pp 022406-1-022406-10.

#ZHAO, Y, #LAI, H S S, ZHANG, G, LEE, G and LI, W J , "Rapid determination of cell mass and density using digitally controlled electric field in a microfluidic chip", *Lab on a Chip*, 14(22), 2014, pp 4426-4434.

ZHAO Zichen

LI, Y, #ZHAO, Z, LAM, M L, #LIU, W, YEUNG, P.P, CHIENG, C and CHEN, T , "Hybridization-induced suppression of coffee ring effect for nucleic acid detection", *Sensors and Actuators B-Chemical*, Vol 206, January 2015, pp 56-64, doi: 10.1016/j.snb.2014.09.006.

ZHENG Ronghao

#ZHENG, R, LIN, Z, FU, M and SUN, D , "Distributed control for uniform circumnavigation of ring-coupled unicycles", *Automatica*, Vol 53, March 2015, pp 23-29, doi: 10.1016/j.automatica.2014.11.012.

#ZHENG, R, LIU, Y and SUN, D , "Enclosing a target by nonholonomic mobile robots with bearing-only measurements", *Automatica*, Vol 53, March 2015, pp 400-407, doi: 10.1016/j.automatica.2015.01.014.

#ZHENG, R and SUN, D , "Multirobot rendezvous with bearing-only or range-only measurements", *Robotics and Biomimetics*, 1(4), 2014, pp 1-13.

ZHENG Yan

#ZHENG, Y and FENG, G , "Two slow stabilizing switching laws for discrete time positive switched systems", *International Journal of Robust and Nonlinear Control*, 24(17), 25 November 2014, pp 2909-2927, doi: 10.1002/rnc.3032.

ZHOU Feng

#ZHOU, F, LIU, L and FENG, G , "Fuzzy decentralized control for a class of networked systems with time delay and missing measurements", *Asian Journal of Control*, 17(1), 2015, pp 84-98.

ZHOU Xiang

LI, L, CHEN, Z, #ZHANG, Q, XU, M, #ZHOU, X, ZHU, H and ZHANG, K , "A hydrolysis-hydrothermal route for the synthesis of ultrathin LiAlO₂-inlaid LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ as a high-performance cathode material for lithium ion batteries", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(2), 2015, pp 894-904, doi: 10.1039/c4ta05902f.

#ZHOU, X, #XU, D, LU, J and ZHANG, K , "CuO/Mg/fluorocarbon sandwich-structure superhydrophobic nanoenergetic composite with anti-humidity property", *Chemical Engineering Journal*, Vol 266, 15 April 2015, pp 163-170, doi: 10.1016/j.cej.2014.12.087.

CHEN, H, #ZHANG, Q, WANG, J, WANG, Q, #ZHOU, X, LI, X, YANG, Y and ZHANG, K , "Mesoporous ZnCo₂O₄ microspheres composed of ultrathin nanosheets cross-linked with metallic NiSi_x nanowires on Ni foam as anodes for lithium ion batteries", *Nano Energy*, Vol 10, 2 October 2014, p 245–258.

Section A: Publications of PhD Students

- ZHOU Xiaolong** #BAI, T X B, LI, Y F and #ZHOU, X , "Learning Local Appearances With Sparse Representation for Robust and Fast Visual Tracking", *IEEE Transactions on Cybernetics*, 45(4), April 2015, pp 663-675, doi: 10.1109/TCYB.2014.2332279.
- ZHUANG Enyu** #ZHUANG, E Y, SMALL, M and FENG, G , "Time series analysis of the developed financial markets' integration using visibility graphs", *Physica A-Statistical Mechanics and Its Applications*, Vol 410, September 2014, pp 483-495, doi: 10.1016/j.physa.2014.05.058, (Available online 23 May 2014).
- Conference papers**
- BAI Tianxiang** #BAI, T X B, LI, Y F and #SHAO, Z , "Online visual object tracking with supervised sparse representation and learning", *2014 13th International Conference on Control Automation Robotics and Vision, ICARCV 2014*, Singapore, 10-12 December 2014, pp 827-832.
- CHEN Shan** #CHEN, S and CHEN, T H , "AuNPs Amplified Magnetophoretic Effect for Colorimetric Detection of Nucleic Acid", *Proceedings of the 10th IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS 2015)*, PRC, 7 April - 11 July 2015.
- FANG Yuqiang** #FANG, Y Q, LAI, W C K, LUI, C N P, FUNG, C K M, LI, H W, YUNG, K K L and XI, N , "Investigation of Retinoic Acid Induced Phenotype of Neuroblastoma Cells", *Proceeding of the 14th IEEE International Conference on Nanotechnology*, Canada, 18-21 August 2014, pp 4-7.
- GOU Xue** #YANG, H, #GOU, X, CHU, K H H, WANG, Y and SUN, D , "Quantitative analysis of chemoattractant gradient induced cell migration velocity and automatic controller design", *The 14th IEEE International Conference on Nanotechnology, IEEE-NANO 2014*, Canada, 18-21 August 2014, pp 742-746.
- GUO Meichen** #GUO, M G, LIU, L and FENG, G , "Global robust output regulation for a class of nonlinear output feedback systems", *Proceedings of the 13th International Conference on Control, Automation, Robotics and Vision (ICARCV'14)*, Singapore, 10-12 December 2014, pp 717-721.
- HU Wenfeng** #HU, W, LIU, L and FENG, G , "Consensus of Multi-Agent Systems by Distributed Event-Triggered Control", *The 19th World Congress of the International Federation of Automatic Control*, Cape Town, South Africa, 24-29 August 2014, pp 9768-9773.
- #HU, W, LIU, L and FENG, G , "Output Consensus of Heterogeneous Linear Multi-Agent Systems by Event-Triggered Control", *Proceeding of the 11th World Congress on Intelligent Control and Automation*, Shenyang, PRC, 29 June - 4 July 2014, pp 220-225.
- HUAN Zhijie** #HUAN, Z, CHU, K H H, YANG, J and SUN, D , "Automated assembly of biological cells in a 3D scaffold via Dielectrophoresis manipulation", *IEEE International Conference on Information and Automation*, PRC, 26-31 July 2014.
- CHU, K H H, #HUAN, Z, MILLS, J K, YANG, J and SUN, D , "Conductive, multilayer scaffold with micro-porous structure for tissue engineering", *IEEE International Conference on Robotics and Biomimetics*, Indonesia, 5-10 December 2014.

Section A: Publications of PhD Students

CHU, K H H, #HUAN, Z, MILLS, J K, YANG, J and SUN, D , "Dielectrophoresis-based Automatic 3D Cell Manipulation and Patterning through a Micro-electrode Integrated Multi-layer Scaffold", *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, Chicago, IL, USA, 14-18 September 2014, pp 2003-2008.

**HUANG Yaozhun,
Giovanna**

LAM, M L, #CHEN, B, LAM, K Y and #HUANG, Y G , "3D Fog Display using Parallel Linear Motion Platforms", *2014 International Conference on Virtual Systems & Multimedia (VSMM)*, Hong Kong, PRC, 9-12 December 2014, pp 234-237.

LAM, M L, #CHEN, B and #HUANG, Y G , "A Novel Volumetric Display using Fog Emitter Matrix", *2015 IEEE International Conference on Robotics and Automation (ICRA)*, Seattle, USA, 26-30 May 2015, pp 4452-4457.

LI Xiangpeng

#MA, W, NIU, F, #LI, X, JI, H, YANG, J and SUN, D , "Modeling and closed-loop control of electromagnetic manipulation of a microparticle", *IEEE International Conference on Robotics and Automation*, USA, 26-30 May 2015.

#NIU, F, #MA, W, #LI, X, CHU, K H H, YANG, J, JI, H and SUN, D , "Modeling and development of a magnetically actuated system for micro-particle manipulation", *IEEE International Conference on Nanotechnology*, Toronto, Canada, 18-21 August 2014.

#XIE, M, MILLS, J K, #LI, X, WANG, Y and SUN, D , "Modelling and control of optical manipulation for cell rotation", *IEEE International Conference on Robotics and Automation*, USA, 26-30 May 2015.

#LI, X and SUN, D , "Topology design for router networks to accomplish a cooperative exploring task", *IEEE International Conference on Robotics and Biomimetics*, Indonesia, 5-10 December 2014.

LIU Rong

ZHOU, W and #LIU, R , "Enhanced Thermal Conductivity UO₂-BeO Fuels Fabrication Methods and Their Thermal Performance in Light Water Reactors", *Proceedings of 2014 22nd International Conference on Nuclear Engineering*, Czech Republic, 7-11 July 2014.

#LIU, R and ZHOU, W , "Fission Gas Generation, Diffusion and Release Fully Coupled with Fuel Deformation in a (U_{1-y}, Pu)_yO_{2-x} Mixed Oxide Fast Reactor Fuel", *Proceedings of the 11th International Conference on Diffusion in Solids and Liquids (DSL 2015)*, Munich, Germany, 22-26 June 2015.

#LIU, R, PRUDIL, A and ZHOU, W , "Fully Coupled Modeling of Burnup Dependent Light Water Fuel Performance using COMSOL Multiphysics", *Proceedings of the 23rd International Conference on Nuclear Engineering (ICONE 23)*, Chiba, Japan, 17-21 May 2015.

#LIU, R and ZHOU, W , "Fully Coupled Modeling of Burnup Dependent (U_{1-y}, Pu)_yO_{2-x} Fast Reactor Fuel performance", *Proceedings of the 23rd International Conference on Nuclear Engineering (ICONE 23)*, Chiba, Japan, 17-21 May 2015.

#LIU, R and ZHOU, W , "Fully Coupled Multiphysics Simulation of Fast Reactor Mixed Oxide Fuels Performance under Extreme Conditions", *TMS 2015 144th Annual Meeting & Exhibition*, Orlando, FL, USA, 15-19 March 2015.

Section A: Publications of PhD Students

#LIU, R and ZHOU, W , "Fully coupled multiphysics simulations for burnup dependent nuclear fuels performance analysis – part 1 mixed oxide (U_{1-y}, Pu)_yO_{2-x} fast reactor fuels", *2nd Frontiers in Computational Physics Conference 2015*, Zurich, Switzerland, 3-5 June 2015.

#LIU, R and ZHOU, W , "Fully coupled multiphysics simulations for burnup dependent nuclear fuels performance analysis – part 2 light water reactor oxide UO₂ fuels", *2nd Frontiers in Computational Physics Conference 2015*, Zurich, Switzerland, 3-5 June 2015.

ZHOU, W and #LIU, R , "Fully coupled simulation of oxygen and heat diffusion for (U, Pu)O₂ fuel in both FBR and LWR", *Proceedings of the ASME 2014 International Mechanical Engineering Congress and Exposition (IMECE2014)*, Montreal, Quebec, Canada, 14-20 November 2014.

SHAHMOHAMMADI, B M, #LIU, R and ZHOU, W , "Liquid Droplet Impact on Super-Hydrophobic Solid and Slippery Liquid Surfaces", *Proceedings of the 9th International Conference on Advanced Computational Engineering and Experimenting (ACE-X 2015)*, Munich, Germany, Germany, 29 June - 2 July 2015.

YANG, G, #LIU, R and ZHOU, W , "Numerical Investigation of Tube Bundle Pool Boiling in a Passive Cooling System", *Proceedings of the 23rd International Conference on Nuclear Engineering (ICONE 23)*, Chiba, Japan, 17-21 May 2015.

#LIU, R and ZHOU, W , "Plutonium and Oxygen Diffusion in a (U_{1-y}, Pu)_yO_{2-x} Mixed Oxide Fast Reactor Fuel", *Proceedings of the 11th International Conference on Diffusion in Solids and Liquids (DSL 2015)*, Munich, Germany, 22-26 June 2015.

#LIU, R, ZHOU, W and YANG, G , "Three Dimensional Coupled Simulation of Plutonium, Oxygen and Heat Diffusion in Mixed Oxide (U, Pu)O₂ Fast Reactor Fuel", *Proceedings of 2014 22nd International Conference on Nuclear Engineering*, Czech Republic, 7-11 July 2014.

MA Weicheng

#MA, W, NIU, F, #LI, X, JI, H, YANG, J and SUN, D , "Modeling and closed-loop control of electromagnetic manipulation of a microparticle", *IEEE International Conference on Robotics and Automation*, USA, 26-30 May 2015.

#NIU, F, #MA, W, #LI, X, CHU, K H H, YANG, J, JI, H and SUN, D , "Modeling and development of a magnetically actuated system for micro-particle manipulation", *IEEE International Conference on Nanotechnology*, Toronto, Canada, 18-21 August 2014.

MA Yue

MA, W Y, #YUAN, X, #MA, Y and #MAHMUD, M A , "Evaluation of convergence rate in extraordinary regions for isogeometric analysis of models with arbitrary topology", *IGA 2015 - The Third International Conference on Isogeometric Analysis*, Norwegian University of Science and Technology, Trondheim., Norway, 1-3 June 2015.

MAHMUD Md Asif

MA, W Y, #YUAN, X, #MA, Y and #MAHMUD, M A , "Evaluation of convergence rate in extraordinary regions for isogeometric analysis of models with arbitrary topology", *IGA 2015 - The Third International Conference on Isogeometric Analysis*, Norwegian University of Science and Technology, Trondheim., Norway, 1-3 June 2015.

NIU Fuzhou

#NIU, F, #MA, W, #LI, X, CHU, K H H, YANG, J, JI, H and SUN, D , "Modeling and development of a magnetically actuated system for micro-particle manipulation", *IEEE International Conference on Nanotechnology*, Toronto, Canada, 18-21 August 2014.

Section A: Publications of PhD Students

- OUYANG Bo** #OUYANG, B, LIU, Y and SUN, D, "Design of a 3-segment continuum robot for minimally invasive surgery", *International Conference on Real-time Computing and Robotics*, PRC, 23-26 June 2015.
- SHAO Zhanpeng** #SHAO, Z and LI, Y F, "Multiscale Integral Invariant for Motion Trajectory Matching and Recognition", *International Conference on Mechatronics and Automation*, PRC, 3-6 August 2014, pp 126-131, (best conference paper).
- #BAI, T X B, LI, Y F and #SHAO, Z, "Online visual object tracking with supervised sparse representation and learning", *2014 13th International Conference on Control Automation Robotics and Vision, ICARCV 2014*, Singapore, 10-12 December 2014, pp 827-832.
- TANG Xin** #TANG, X and LAI, W C K, "Quantitative Study of AFM-based Nanopatterning of Graphene Nanoplate", *Proceeding of the 14th IEEE International Conference on Nanotechnology*, Canada, 18-21 August 2014, pp 54-57.
- TANG Yazhe** #TANG, Y, LI, Y F and LUO, J, "Geometric neighborhood model for visual tracking in central catadioptric omnidirectional vision", *2014 IEEE International Conference on Robotics and Biomimetics, IEEE ROBIO 2014*, Indonesia, 5-10 December 2014, pp 1817-1822.
- XIE Mingyang** #XIE, M, MILLS, J K, #LI, X, WANG, Y and SUN, D, "Modelling and control of optical manipulation for cell rotation", *IEEE International Conference on Robotics and Automation*, USA, 26-30 May 2015.
- YANG Hao** #YANG, H, #GOU, X, CHU, K H H, WANG, Y and SUN, D, "Quantitative analysis of chemoattractant gradient induced cell migration velocity and automatic controller design", *The 14th IEEE International Conference on Nanotechnology, IEEE-NANO 2014*, Canada, 18-21 August 2014, pp 742-746.
- YANG Runhuai** #YANG, R, TAM, C H, CHEUNG, K L, WONG, K C and LAI, W C K, "Analysis of Visual-based Micromanipulation for Patch Clamp Recording", *Proc. of the 2014 IEEE International Conference on Robotics and Biomimetics*, Indonesia, 5-10 December 2014, pp 487-492.
- #YANG, R, LAI, W C K, XI, N and YANG, J, "Development of a Microfluidic Perfusion System for Patch Clamp Recording", *Proceeding of the 14th IEEE International Conference on Nanotechnology*, Canada, 18-21 August 2014.
- YU Xiao** #YU, X, LIU, L and FENG, G, "Trajectory Tracking for Nonholonomic Vehicles with Velocity Constraints", *1st IFAC Conference on Modelling, Identification and Control of Nonlinear Systems (MICNON'15)*, Russian Federation, 24-26 June 2015, pp 928-933.
- YUAN Xiaoyun** MA, W Y, #YUAN, X, #MA, Y and #MAHMUD, M A, "Evaluation of convergence rate in extraordinary regions for isogeometric analysis of models with arbitrary topology", *IGA 2015 - The Third International Conference on Isogeometric Analysis*, Norwegian University of Science and Technology, Trondheim., Norway, 1-3 June 2015.
- ZHANG Hongti** BANERJEE, A, #ZHANG, H, #YUEN, M F and ZHANG, W J, "High flexible bending deformation in single crystalline diamond nanoneedles for biomedical applications", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

Section A: Publications of PhD Students

BANERJEE, A, #ZHANG, H, #YUEN, M F, ZHANG, W J and LU, Y, "Highly flexible bending deformation in single crystalline diamond nanoneedles for biomedical applications", *International Conference on Molecular Electronic Materials and Devices*, Hong Kong, PRC, 5-8 January 2015.

ZHANG Qiaobao #ZHANG, Q and ZHANG, K, "Synthesis and characterization of CuO/NiCo₂O₄ core/shell nanowire arrays directly grown on copper foam", *Proceedings of the 3rd Global Conference on Materials Science and Engineering*, PRC, 20-23 October 2014, pp 76-80.

ZHENG Ronghao #ZHENG, R and SUN, D, "Circumnavigation by a Mobile Robot Using Bearing Measurements", *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, Chicago, IL, USA, 14-18 September 2014, pp 4643-4648.

All other outputs

GOU Xue #GOU, X, *Probing the Functional Mechanism of Cell-to-Cell Interaction and Cell Migration with Optical Tweezer-Based Cell Manipulation Tool*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 24 July 2014.

GUO Liang #GUO, L, "Parallel Plane Sliding Bearing based on Surface Heterogeneity by Bovine Serum Albumin (BSA) Aqueous Solution", Best Paper Award at the 2014 International Conference on Engineering Tribology Technology, Taiwan Society of Tribology Technology, 23 November 2014.

LAI Hok Sum Sam #ZHAO, Y, #LAI, H S S, ZHANG, G, LEE, G B and LI, W J, "Determination of Cell Mass and Density using Digital Electric Field", Best Paper Award at the 8th IEEE International Conference on Nano/Molecular Medicine and Engineering, IEEE NANOMED 2014, Taiwan, November 2014.

LI Shaobao #LI, S, *Output Consensus of Heterogeneous Linear Multi-Agent Systems*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 6 August 2014.

LIU Jianyang #LIU, J, *A Short-Baseline Structured-Light System for Accurate 3D Measurements*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 8 August 2014.

LIU Yahua #LIU, Y, *Fast Drop Detachment on Superhydrophobic Surfaces*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 12 January 2015.

#LIU, Y, Materials Research Society Graduate Student Silver Award, Materials Research Society (MRS), USA, 8 April 2015.

SHAO Zhanpeng #SHAO, Z, "Multiscale Integral Invariant for Motion Trajectory Matching and Recognition", Best Conference Paper Award at the 2014 IEEE International Conference on Mechatronics and Automation (IEEE ICMA 2014), IEEE, USA, 5 August 2014.

XU Daguo #XU, D, *Development of Nanoenergetic Arrays Based on Core/Shell Nanothermites*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 March 2015.

Section A: Publications of PhD Students

- YANG Hao** #YANG, H , *Dynamic Modeling and Control of Cell Migration Using a Robot-Tweezers Cell Manipulation System*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 23 June 2015.
- YANG Runhuai** #YANG, R , *Development of Automated Micro-Biomanipulation System for Electrophysiology Study*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 30 June 2015.
- YU Chunyan** #YU, C , *Prediction and Verification of the Glass Forming Ability in Bulk Metallic Glasses - An Atomistic Approach*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 August 2014.
- YUAN Xiaoyun** #YUAN, X , *Isogeometric Analysis of Models with Arbitrary Topology for CAD/CAE Integration*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 27 March 2015.
- ZHAN Yuexing** #ZHAN, Y , "Poro-Visco-Hyperelastic Modeling of Hydrogel Composites", Best Student Presentation Award at the 19th Hong Kong Society for Theoretical and Applied Mechanics (HKSTAM) Annual Conference, Hong Kong Society of Theoretical and Applied Mechanics (HKSTAM), Hong Kong, PRC, 28 March 2015.
- ZHANG Mei** #ZHANG, M , *Rational Synthesis of Nanostructured Silver Composites for Multifunctional Applications*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 December 2014.
- ZHAO Yuliang** #ZHAO, Y , #LAI, H S S , #ZHANG, G , LEE, G B and #LI, W J , "Determination of Cell Mass and Density using Digital Electric Field", Best Paper Award at the 8th IEEE International Conference on Nano/Molecular Medicine and Engineering, IEEE NANOMED 2014, Taiwan, November 2014.
- ZHENG Ronghao** #ZHENG, R , *Distributed Control of Networked Multirobot Systems*, PhD Thesis, Department of Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 4 July 2014.
- #ZHENG, R , *Distributed Formation Control of Networked Multirobot Systems*, PhD Thesis, Mechanical and Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 30 August 2014.

DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE

Scholarly books, monographs and chapters

- WU Shuilin** #WU, S L and #CHU, P K H , "Biomimetic Interfaces of Plasma Modified Titanium Alloy", *Biomimetic Architectures by Plasma Processing: Fabrication and Applications*, S. Chattopadhyay (ed), Pan Stanford Publishing, Hong Kong, PRC, 2015, pp 179-223.

Journal publications

- BIAN Juncao** #BIAN, J , LI, Q, #HUANG, C , #GUO, Y , #ZAW, M W and #ZHANG, R Q , "A durable surface-enhanced Raman scattering substrate: ultrathin carbon layer encapsulated Ag nanoparticle arrays on indium-tin-oxide glass", *Physical Chemistry Chemical Physics*, 17(22), 2015, pp 14849-14855, doi: 10.1039/c4cp05803h.

Section A: Publications of PhD Students

#BIAN, J C, #LI, J F, #KALYTCHUK, S, #WANG, Y, LI, Q, #LAU, T C, #NIEHAUS, T A, #ROGATCH, A and #ZHANG, R Q, "Efficient Emission Facilitated by Multiple Energy Level Transitions in Uniform Graphitic Carbon Nitride Films Deposited by Thermal Vapor Condensation", *Chemphyschem*, 16(5), 7 April 2015, pp 954-959, doi: 10.1002/cphc.201402898.

#BIAN, J, #SHU, S, #LI, J, #HUANG, C, #LI, Y Y and #ZHANG, R Q, "Reproducible and recyclable SERS substrates: Flower-like Ag structures with concave surfaces formed by electrodeposition", *Applied Surface Science*, Vol 333, 1 April 2015, pp 126-133, doi: 10.1016/j.apsusc.2015.02.007.

#BIAN, J, #LI, Q, #HUANG, C, #LI, J, #GUO, Y, #ZAW, M W and #ZHANG, R Q, "Thermal vapor condensation of uniform graphitic carbon nitride films with remarkable photocurrent density for photoelectrochemical applications", *Nano Energy*, Vol 15, 2015, pp 353-361.

CAO Chenwei

#DONG, Y, #CAO, C, #CHUI, Y S and #ZAPIEN, J A, "Facile hydrothermal synthesis of CuFeO₂ hexagonal platelets/rings and graphene composites as anode materials for lithium ion batteries", *CHEMICAL COMMUNICATIONS*, 50(70), 2014, pp 10151-10154.

#CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, #LU, Z and #CHUNG, C Y, "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}]O₂ as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.

#LIU, Y, #CAO, L, #CAO, C, #WANG, M, #LEUNG, K L, #ZENG, S, #HUNG, T F, #CHUNG, C Y and #LU, Z, "Facile synthesis of spinel CuCo₂O₄ nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries", *CHEMICAL COMMUNICATIONS*, 50(93), 2014, pp 14635-14638, doi: 10.1039/c4cc04682j.

#DONG, Y, #CHUI, Y S, #MA, R, #CAO, C, #CHENG, H, #LI, Y Y and #ZAPIEN, J A, "One-pot scalable synthesis of Cu-CuFe₂O₄/graphene composites as anode materials for lithium-ion batteries with enhanced lithium storage properties", *JOURNAL OF MATERIALS CHEMISTRY A*, 2(34), 2014, pp 13892-13897.

#DONG, Y, #YANG, X, #CHUI, Y S, #CAO, C and #ZAPIEN, J A, "Self-assembled three-dimensional mesoporous ZnFe₂O₄-graphene composites for lithium ion batteries with significantly enhanced rate capability and cycling stability", *Journal of Power Sources*, Vol 275, 1 February 2015, pp 769-776, doi: 10.1016/j.jpowsour.2014.11.005.

CHAN Chiu Yee

#LO, M F, #GUAN, Z, #CHAN, C Y, #NG, T W and #LEE, C S, "Degradation of interface between boron subphthalocyanine chloride and fullerene", *Journal of Electron Spectroscopy and Related Phenomena*, Vol 203, 2015.

#LO, M F, #GUAN, Z Q, #NG, T W, #CHAN, C Y and #LEE, C S, "Electronic Structures and Photoconversion Mechanism in Perovskite/Fullerene Heterojunctions", *ADVANCED FUNCTIONAL MATERIALS*, 25(8), 25 February 2015, pp 1213-1218, doi: 10.1002/adfm.201402692.

#NG, T W, #CHAN, C Y, #LO, M F, #GUAN, Z Q and #LEE, C S, "Formation chemistry of perovskites with mixed iodide/chloride content and the implications on charge transport properties", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(17), 2015, pp 9081-9085, doi: 10.1039/c4ta05819d.

Section A: Publications of PhD Students

- CHEN Changjiu** #WONG, K K, #CHEN, C, MICHAEL, M K, KONRAD, S and MAVILA CHATHOTH, S , "Atomic caging in multicomponent glass-forming metallic liquids", *EPL*, 110(46001), 27 May 2015, pp 46001-p1-46001-p4, doi: 10.1209/0295-5075/110/46001.
- #WONG, K K, #CHEN, C, KONG, W, VELLAISAMY, A L R and MAVILA CHATHOTH, S , "Diffusion of gold nanoparticles in toluene and water as seen by dynamic light scattering", *Journal of Nanoparticle Research*, Vol 17, 20 May 2015, pp 153-1-153-8, doi: 10.1007/s11051-015-2965-x.
- CHEN Rui** HUANG, H, #CHEN, R, #MA, J, LI, Y, ZHAO, Y, #WANG, Y, ZHANG, W J, FAN, J and CHEN, X F , "Graphitic carbon nitride solid nanofilms for selective and recyclable sensing of Cu²⁺ and Ag⁺ in water and serum", *CHEMICAL COMMUNICATIONS*, 50(97), 2014, pp 15415-15418, doi: 10.1039/c4cc06659f.
- CHEN Xian** #AI, F, JU, Q, ZHANG, X, #CHEN, X, WANG, F and ZHU, G , "A core-shell-shell nanoplatfrom upconverting near-infrared light at 808 nm for luminescence imaging and photodynamic therapy of cancer", *Scientific Reports*, Vol 5, 2 June 2015, pp 10785-1-10785-11.
- JU, Q, #CHEN, X, #AI, F, PENG, D, #LIN, X, KONG, W, SHI, P, ZHU, G and WANG, F , "An upconversion nanoprobe operating in the first biological window", *JOURNAL OF MATERIALS CHEMISTRY B*, Vol 3, 19 March 2015, pp 3548-3555, doi: 10.1039/c5tb00025d.
- ZHOU, Y, #HAN, S, #CHEN, X, WANG, F, TANG, Y and VELLAISAMY, A L R , "An upconverted photonic nonvolatile memory", *Nature Communications*, Vol 5, August 2014, pp 4720-1-4720-8, doi: 10.1038/ncomms5720.
- PENG, D, JU, Q, #CHEN, X, MA, R, CHEN, B, BAI, G, HAO, J, QIAO, X, FAN, X and WANG, F , "Lanthanide-Doped Energy Cascade Nanoparticles: Full Spectrum Emission by Single Wavelength Excitation", *Chemistry of Materials*, 27(8), 28 April 2015, pp 3115-3120, doi: 10.1021/acs.chemmater.5b00775.
- #CHEN, X, PENG, D, JU, Q and WANG, F , "Photon upconversion in core-shell nanoparticles", *Chemical Society Reviews*, 44(6), 2015, pp 1318-1330, doi: 10.1039/c4cs00151f.
- CHENG Yuanhang** #CHENG, Y, TIAN, Y, TSANG, S W S and YAN, C , "Ag Nanoparticles on Boron Doped Multi-walled Carbon Nanotubes as a Synergistic Catalysts for Oxygen Reduction Reaction in Alkaline Media", *Electrochimica Acta*, Vol 174, 25 June 2015, pp 919-924.
- CHOI Wing Yan** #CHOI, W Y and YU, K N , "Embryos of the zebrafish *Danio rerio* in studies of non-targeted effects of ionizing radiation", *Cancer Letters*, 356(1), 1 January 2015, pp 91-104, doi: 10.1016/j.canlet.2013.10.020.
- KONG, E Y, #CHOI, W Y, CHENG, S H and YU, K N , "Some properties of the signals involved in unirradiated zebrafish embryos rescuing alpha-particle irradiated zebrafish embryos", *International Journal of Radiation Biology*, 90(12), December 2014, pp 1133-1142, doi: 10.3109/09553002.2014.932031.

CHUI Ying San

LAN, M, #ZHANG, J P, #CHUI, Y S, WANG, H, YANG, Q, #ZHU, X, WEI, H, LIU, W, GE, J, WANG, P, CHEN, X F, LEE, C S and ZHANG, W J, "A recyclable carbon nanoparticle-based fluorescent probe for highly selective and sensitive detection of mercapto biomolecules", *JOURNAL OF MATERIALS CHEMISTRY B*, 3(1), 2015, pp 127-134, doi: 10.1039/c4tb01354a.

LAN, M, #ZHANG, J, #CHUI, Y S, WANG, P, CHEN, X F, LEE, C S, KWONG, H L and ZHANG, W J, "Carbon Nanoparticle-based Ratiometric Fluorescent Sensor for Detecting Mercury Ions in Aqueous Media and Living Cells.", *ACS Applied Materials & Interfaces*, Vol 6, 13 November 2014, pp 21270-21278.

DONG, Y, #CAO, C, #CHUI, Y S and ZAPIEN, J A, "Facile hydrothermal synthesis of CuFeO₂ hexagonal platelets/rings and graphene composites as anode materials for lithium ion batteries", *CHEMICAL COMMUNICATIONS*, 50(70), 2014, pp 10151-10154.

DONG, Y, YUNG, K C, MA, R, #YANG, X, #CHUI, Y S, LEE, J and ZAPIEN, J A, "Graphene/acid assisted facile synthesis of structure-tuned Fe₃O₄ and graphene composites as anode materials for lithium ion batteries", *Carbon*, Vol 86, May 2015, pp 310-317, doi: 10.1016/j.carbon.2015.01.062.

#ZHANG, Z, LI, W, ZOU, R, KANG, W, #CHUI, Y S, #YUEN, M F, LEE, C S and ZHANG, W J, "Layer-stacked cobalt ferrite (CoFe₂O₄) mesoporous platelets for high-performance lithium ion battery anodes", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(13), 2015, pp 6990-6997, doi: 10.1039/c5ta00073d.

DONG, Y, #CHUI, Y S, MA, R, #CAO, C, CHENG, H, LI, Y Y and ZAPIEN, J A, "One-pot scalable synthesis of Cu-CuFe₂O₄/graphene composites as anode materials for lithium-ion batteries with enhanced lithium storage properties", *JOURNAL OF MATERIALS CHEMISTRY A*, 2(34), 2014, pp 13892-13897.

NIU, L, LI, K, ZHEN, H, #CHUI, Y S, ZHANG, W J, YAN, F and ZHENG, Z, "Salt-Assisted High-Throughput Synthesis of Single- and Few-Layer Transition Metal Dichalcogenides and Their Application in Organic Solar Cells", *Small*, 10(22), 26 November 2014, pp 4651-4657, doi: 10.1002/sml.201401647.

DONG, Y, #YANG, X, #CHUI, Y S, #CAO, C and ZAPIEN, J A, "Self-assembled three-dimensional mesoporous ZnFe₂O₄-graphene composites for lithium ion batteries with significantly enhanced rate capability and cycling stability", *Journal of Power Sources*, Vol 275, 1 February 2015, pp 769-776, doi: 10.1016/j.jpowsour.2014.11.005.

GAO, T, NG, S, LIU, X, NIU, L, XIE, Z, GUO, R, CHEN, C, ZHOU, X, MA, J, JIN, W, #CHUI, Y S, ZHANG, W J, ZHOU, F and ZHENG, Z, "Transferable, transparent and functional polymer@graphene 2D objects", *NPG ASIA MATERIALS*, Vol 6, September 2014, p e130, doi: 10.1038/am.2014.79.

DENG Bei

#DENG, B, LUISA DA, R A, FRAUENHEIM, T, XIAO, J P, SHI, X Q, ZHANG, R Q and VAN HOVE, M, "Oxygen vacancy diffusion in bare ZnO nanowires", *Nanoscale*, 6(20), 12 August 2014, pp 11882-11886.

DONG Guofa

#DONG, G, #FANG, M, WANG, H, #YIP, S P, CHEUNG, H Y, WANG, F Y, WONG, C Y, CHU, S T and HO, J C Y, "Insight into the Electrochemical Activation of Carbon-Based Cathodes for Hydrogen Evolution Reaction", *JOURNAL OF MATERIALS CHEMISTRY A*, Vol 3, 6 May 2015, pp 13080-13086.

Section A: Publications of PhD Students

HAN, N A, WANG, F Y, YANG, Z, #YIP, S P, #DONG, G, LIN, H, #FANG, M, HUNG, T F and HO, J C Y, "Low-temperature growth of highly crystalline β -Ga₂O₃ nanowires by solid-source chemical vapor deposition", *Nanoscale Research Letters*, Vol 9, 7 October 2014, p 347.

HAN, N A, YANG, Z, WANG, F Y, #YIP, S P, #DONG, G, #LIANG, X, HUNG, T F, CHEN, Y and HO, J C Y, "Modulating the morphology and electrical properties of GaAs nanowires via the catalyst stabilization by oxygen", *ACS Applied Materials & Interfaces*, Vol 7, 20 February 2015, pp 5591-5597.

DU Hongbo

#DU, H, HUANG, S, DE SARKAR, A, FAN, W J, JIA, Y and ZHANG, R Q, "Electronic and Vibrational Properties of Stable Isomers of (SiO)_n((0,+/-)) (n=2-7) Clusters", *Journal of Physical Chemistry A*, 118(39), 2 October 2014, pp 8893-8900, doi: 10.1021/jp412682f.

FAN Wenjie

ZHANG, R Q and #FAN, W J, "Economical Basis Sets and Their Uses in Ab Initio Calculations", *International Journal of Quantum Chemistry*, 115(9), 5 May 2015, pp 570-577, doi: 10.1002/qua.24830.

FANG Ming

LIN, H, #FANG, M, CHEUNG, H Y, XIU, F, #YIP, S P, WONG, C Y and HO, J C Y, "Hierarchical Silicon Nanostructured Arrays via Metal-Assisted Chemical Etching", *RSC Advances*, Vol 4, 17 September 2014, pp 50081-50085, doi: 10.1039/c4ra06172a.

#DONG, G, #FANG, M, WANG, H, #YIP, S P, CHEUNG, H Y, WANG, F Y, WONG, C Y, CHU, S T and HO, J C Y, "Insight into the Electrochemical Activation of Carbon-Based Cathodes for Hydrogen Evolution Reaction", *JOURNAL OF MATERIALS CHEMISTRY A*, Vol 3, 6 May 2015, pp 13080-13086.

HAN, N A, WANG, F Y, YANG, Z, #YIP, S P, #DONG, G, LIN, H, #FANG, M, HUNG, T F and HO, J C Y, "Low-temperature growth of highly crystalline β -Ga₂O₃ nanowires by solid-source chemical vapor deposition", *Nanoscale Research Letters*, Vol 9, 7 October 2014, p 347.

#FANG, M, LIN, H, #CHEUNG, H Y, #YIP, S P, #XIU, F, WONG, C Y and HO, J C Y, "Optical Nanoscale Patterning through Surface-Textured Polymer Films", *Advanced Optical Materials*, Vol 2, September 2014, pp 855-860.

#FANG, M, LIN, H, CHEUNG, H Y, XIU, F, #SHEN, L, #YIP, S P, PUN, Y B E, WONG, C Y and HO, J C Y, "Polymer-Confined Colloidal Monolayer: A Reusable Soft Photomask for Rapid Wafer-Scale Nanopatterning", *ACS Applied Materials & Interfaces*, Vol 6, 6 November 2014, pp 20837-20841.

YANG, Z, HAN, N A, #FANG, M, LIN, H, CHEUNG, H Y, #YIP, S P, WANG, E, HUNG, T F, WONG, C Y and HO, J C Y, "Surfactant-assisted Chemical Vapor Deposition of High-performance Small-diameter GaSb Nanowires", *Nature Communications*, Vol 5, 16 October 2014, p 5249.

FOO Yishu

NG, A, YIU, W K, #FOO, Y, SHEN, Q, BEJAOU, A, ZHAO, Y, GOKKAYA, H C, DJURISIC, A B, ZAPIEN, J A, CHAN, W K and SURYA, C, "Enhanced Performance of PTB7:PC71BM Solar Cells via Different Morphologies of Gold Nanoparticles", *ACS Applied Materials & Interfaces*, 6(23), 19 November 2014, pp 20676-20684.

Section A: Publications of PhD Students

#FOO, Y, CHEUNG, K T M, TO, C H J and ZAPIEN, J A , "On the development of Finite-Difference Time-Domain for modeling the spectroscopic ellipsometry response of 1D periodic structures", *Thin Solid Films*, Vol 571, 2014, pp 356-363.

#FOO, Y, CHEUNG, K T M, TO, C H J and ZAPIEN, J A , "On the modeling of ellipsometry data at large angles of incidence using finite-difference time-domain", *Thin Solid Films*, Vol 571, 2014, pp 669-674.

GAO Ang

HANG, R, LIU, Y, ZHAO, L, #GAO, A, BAI, L, HUANG, X, ZHANG, X, TANG, B and CHU, P K H , "Fabrication of Ni-Ti-O nanotube arrays by anodization of NiTi alloy and their potential applications", *Scientific Reports*, Vol 4, 18 December 2014, pp 7547-1-7547-9, doi: 10.1038/srep07547.

HANG, R, LIU, Y, #GAO, A, BAI, L, HUANG, X, ZHANG, X, LIN, N, TANG, B and CHU, P K H , "Highly ordered Ni-Ti-O nanotubes for non-enzymatic glucose detection", *Materials Science & Engineering C-Materials for Biological Applications*, Vol 51, 1 June 2015, pp 37-42, doi: 10.1016/j.msec.2015.02.027.

GUAN Zhiqiang

LO, M F, #GUAN, Z, #CHAN, C Y, NG, T W and LEE, C S , "Degradation of interface between boron subphthalocyanine chloride and fullerene", *Journal of Electron Spectroscopy and Related Phenomena*, Vol 203, 2015.

LO, M F, #GUAN, Z Q, NG, T W, #CHAN, C Y and LEE, C S , "Electronic Structures and Photoconversion Mechanism in Perovskite/Fullerene Heterojunctions", *ADVANCED FUNCTIONAL MATERIALS*, 25(8), 25 February 2015, pp 1213-1218, doi: 10.1002/adfm.201402692.

XIAO, Y, WANG, H, ZHOU, S, YAN, K, #GUAN, Z, TSANG, S W S and XU, J , "Enhanced Performance of Polymeric Bulk Heterojunction Solar Cells via Molecular Doping with TFSA", *ACS Applied Materials & Interfaces*, Vol 7(24), 3 June 2015, pp 13415-13421, doi: 10.1021/acsami.5b02104.

NG, T W, #CHAN, C Y, LO, M F, #GUAN, Z Q and LEE, C S , "Formation chemistry of perovskites with mixed iodide/chloride content and the implications on charge transport properties", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(17), 2015, pp 9081-9085, doi: 10.1039/c4ta05819d.

GUO Nan

#GUO, N, CHEUNG, K W, WONG, H T and HO, D , "CMOS Time-Resolved, Contact, and Multispectral Fluorescence Imaging for DNA Molecular Diagnostics", *Sensors*, 14(11), November 2014, pp 20602-20619, doi: 10.3390/s141120602.

GUPTA Shuchi

KALYTCHUK, S, #GUPTA, S, ZHOVTIUK, O, #VANESKI, A, KERSHAW, S V, FU, H, FAN, Z, KWOK, E C H, WANG, C, TEOH, W Y and ROGATCH, A , "Semiconductor Nanocrystals as Luminescent Down-Shifting Layers To Enhance the Efficiency of Thin-Film CdTe/CdS and Crystalline Si Solar Cells", *Journal of Physical Chemistry C*, 118(30), 31 July 2014, pp 16393-16400, doi: 10.1021/jp410279z.

HAN Suting

ZHOU, Y, #HAN, S, #CHEN, X, WANG, F, TANG, Y and VELLAISAMY, A L R , "An upconverted photonic nonvolatile memory", *Nature Communications*, Vol 5, August 2014, pp 4720-1-4720-8, doi: 10.1038/ncomms5720.

#HUANG, L, ZHOU, Y, #HAN, S, #YAN, Y, #ZHOU, L, CHEN, W, #ZHOU, P, CHEN, X F and VELLAISAMY, A L R , "Controlled assembly of silver nanoparticles monolayer on 3D polymer nanotubes and their applications", *Small*, 10(22), 2014, pp 4645-4650.

#ZHUANG, J, #HAN, S, ZHOU, Y and VELLAISAMY, A L R , "Flash memory based on solution processed hafnium dioxide charge trapping layer", *JOURNAL OF MATERIALS CHEMISTRY C*, 2(21), 2014, pp 4233-4238.

#HUANG, L, XU, Z, CHEN, X F, TIAN, W, #HAN, S, ZHOU, Y, #XU, J, #YANG, X and VELLAISAMY, A L R , "Poly(3-hexylthiophene) nanotubes with tunable aspect ratios and charge transport properties", *ACS Applied Materials & Interfaces*, 6(15), 2014, pp 11874-11881.

ZHOU, Y, #HAN, S, SONAR, P, MA, X, CHEN, J, ZHENG, Z and VELLAISAMY, A L R , "Reversible Conversion of Dominant Polarity in Ambipolar Polymer/Graphene Oxide Hybrids", *Scientific Reports*, Vol 5, 2015, p 9446.

HETSCH Frederik

FU, M, QIAN, L, LONG, H, WANG, K, LU, P, RAKOVICH, Y P, #HETSCH, F, SUSHU, A and ROGATCH, A , "Tunable plasmon modes in single silver nanowire optical antennas characterized by far-field microscope polarization spectroscopy", *Nanoscale*, 6(15), 7 August 2014, pp 9192-9197, doi: 10.1039/c4nr01497a.

HU Tingwei

#HU, T, LIU, X T, MA, F, MA, D Y, XU, K W and CHU, P K H , "High-Quality, Single-Layered Epitaxial Graphene Fabricated on 6H-SiC (0001) by Flash Thermal Annealing in Pb Atmosphere and Mechanism", *Nanotechnology*, Vol 26, 20 February 2015, pp 105708-1-105708-7.

LIU, X T, #HU, T, MIAO, Y P, MA, D Y, CHU, P K H, MA, F and XU, K W , "Selective growth of Pb islands on graphene/SiC buffer layers", *Journal of Applied Physics*, 117(6), 14 February 2015, p 065304, doi: 10.1063/1.4908013.

HUANG Chao

#BIAN, J, LI, Q, #HUANG, C, GUO, Y, #ZAW, M W and ZHANG, R Q , "A durable surface-enhanced Raman scattering substrate: ultrathin carbon layer encapsulated Ag nanoparticle arrays on indium-tin-oxide glass", *Physical Chemistry Chemical Physics*, 17(22), 2015, pp 14849-14855, doi: 10.1039/c4cp05803h.

#BIAN, J, #SHU, S, #LI, J, #HUANG, C, LI, Y Y and ZHANG, R Q , "Reproducible and recyclable SERS substrates: Flower-like Ag structures with concave surfaces formed by electrodeposition", *Applied Surface Science*, Vol 333, 1 April 2015, pp 126-133, doi: 10.1016/j.apsusc.2015.02.007.

#BIAN, J, LI, Q, #HUANG, C, #LI, J, GUO, Y, #ZAW, M W and ZHANG, R Q , "Thermal vapor condensation of uniform graphitic carbon nitride films with remarkable photocurrent density for photoelectrochemical applications", *Nano Energy*, Vol 15, 2015, pp 353-361.

HUANG He

WANG, H, #HUANG, H, NIU, C and ROGATCH, A , "Ternary Sn-Ti-O Based Nanostructures as Anodes for Lithium Ion Batteries", *Small*, 11(12), 25 March 2015, pp 1364-1383, doi: 10.1002/sml.201402682.

HUANG Jianan

ZHAO, Y, ZHANG, Y, #HUANG, J, #ZHANG, Z, CHEN, X F and ZHANG, W J , "Plasmonic nanopillar array embedded microfluidic chips: an in situ SERS monitoring platform", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(12), 2015, pp 6408-6413, doi: 10.1039/c4ta07076c.

ZHAO, Y, #HUANG, J, #ZHANG, Z, CHEN, X F and ZHANG, W J, "Quantitative analysis of multiplex-components and double stranded DNA by wide-range surface-enhanced Raman spectroscopy based on ordered Ag/Si nanowire arrays", *JOURNAL OF MATERIALS CHEMISTRY A*, 2(26), 14 July 2014, pp 10218-10224, doi: 10.1039/c4ta00904e.

HUANG Longbiao

TIAN, W, #HUANG, L, WANG, D and VELLAISAMY, A L R, "A general, rapid and solvent-free approach to fabricating nanostructured polymer surfaces", *SCIENCE CHINA - Technological Sciences*, Vol 57, 2014, pp 2328-2334.

, ZHOU, Y, #ZHOU, L, #YAN, Y, #HUANG, L, WU, W and VELLAISAMY, A L R, "CdSe/ZnS core-shell quantum dots charge trapping layer for flexible photonic memory", *JOURNAL OF MATERIALS CHEMISTRY C*, 3(13), 2015, pp 3173-3180.

#HUANG, L, ZHOU, Y, #HAN, S, #YAN, Y, #ZHOU, L, CHEN, W, #ZHOU, P, CHEN, X F and VELLAISAMY, A L R, "Controlled assembly of silver nanoparticles monolayer on 3D polymer nanotubes and their applications", *Small*, 10(22), 2014, pp 4645-4650.

#ZHOU, L, YANG, J, ZHOU, Y, #HUANG, L, #YAN, Y and VELLAISAMY, A L R, "Dual plasmonic-enhanced bulk-heterojunction solar cell incorporating gold nanoparticles into solution-processed anode buffer layer and active layer", *Physica Status Solidi-Rapid Research Letters*, 9(2), 2015, pp 115-119.

#HUANG, L, XU, Z, CHEN, X F, TIAN, W, #HAN, S, ZHOU, Y, #XU, J, #YANG, X and VELLAISAMY, A L R, "Poly(3-hexylthiophene) nanotubes with tunable aspect ratios and charge transport properties", *ACS Applied Materials & Interfaces*, 6(15), 2014, pp 11874-11881.

HUANG Yang

HUANG, Y, #HUANG, Y, MENG, W J, #ZHU, M S, #XUE, H T, LEE, C S and ZHI, C Y, "Enhanced Tolerance to Stretch-Induced Performance Degradation of Stretchable MnO₂-Based Supercapacitors", *ACS Applied Materials & Interfaces*, 7(4), 4 February 2015, pp 2569-2574, doi: 10.1021/am507588p.

#HUANG, Y, DING, D, #ZHU, M, MENG, W, HUANG, Y, GENG, F, LI, J, LIN, J, TANG, C, LEI, Z, ZHANG, Z and ZHI, C, "Facile synthesis of alpha-Fe₂O₃ nanodisk with superior photocatalytic performance and mechanism insight", *Science and Technology of Advanced Materials*, 16(1), February 2015, p 014801, doi: 10.1088/1468-6996/16/1/014801.

HUANG, Y, HU, H, #HUANG, Y, #ZHU, M, MENG, W, LIU, C, #PEI, Z, #HAO, C, WANG, Z and ZHI, C, "From Industrially Weavable and Knittable Highly Conductive Yarns to Large Wearable Energy Storage Textiles", *ACS Nano*, Vol 9, 5 April 2015, pp 4766-4775.

#HUANG, Y, HUANG, Y, #ZHU, M, MENG, W, #PEI, Z, LIU, C, HU, H and ZHI, C, "Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor", *ACS Nano*, Vol 9(6), 1 June 2015, pp 6242-6251, doi: 10.1021/acsnano.5b01602.

MENG, W, #HUANG, Y, FU, Y, WANG, Z and ZHI, C, "Polymer composites of boron nitride nanotubes and nanosheets", *JOURNAL OF MATERIALS CHEMISTRY C*, 2(47), 2014, pp 10049-10061, doi: 10.1039/c4tc01998a.

MENG, W, CHEN, W, ZHAO, L, #HUANG, Y, #ZHU, M, HUANG, Y, FU, Y, GENG, F, YU, J, CHEN, X F and ZHI, C, "Porous Fe₃O₄/carbon composite electrode material prepared from metal-organic framework template and effect of temperature on its capacitance", *Nano Energy*, Vol 8, September 2014, pp 133-140, doi: 10.1016/j.nanoen.2014.06.007.

#ZHU, M, MENG, W, HUANG, Y, #HUANG, Y and ZHI, C , "Proton-Insertion-Enhanced Pseudocapacitance Based on the Assembly Structure of Tungsten Oxide", *ACS Applied Materials & Interfaces*, 6(21), 12 November 2014, pp 18901-18910, doi: 10.1021/am504756u.

#HUANG, Y, #ZHU, M, MENG, W, FU, Y, WANG, Z, HUANG, Y, #PEI, Z and ZHI, C , "Robust reduced graphene oxide paper fabricated with a household non-stick frying pan: a large-area freestanding flexible substrate for supercapacitors", *RSC Advances*, 5(43), 2015, pp 33981-33989, doi: 10.1039/c5ra02868j.

HUANG, Y, TAO, J, MENG, W, #ZHU, M, #HUANG, Y, FU, Y, GAO, Y and ZHI, C , "Super-high rate stretchable polypyrrole-based supercapacitors with excellent cycling stability", *Nano Energy*, Vol 11, January 2015, pp 518-525, doi: 10.1016/j.nanoen.2014.10.031.

JIN Weihong

SALEEM, S, ADMAD, R, IKHLAQ, U, AYUB, R, #JIN, W, #XU, R, #LI, P, ABBAS, K and CHU, P K H , "Effects of N₂/O₂ Flow Rate on the Surface Properties and Biocompatibility of Nano-Structured TiO_xN_y Thin Films Prepared by High Vacuum Magnetron Sputtering", *Chinese Physics B*, Vol 24(7), 2015, pp 075202-1-075202-6.

#ZHANG, X M, GAO, B, HU, L, #LI, L, #JIN, W, HUO, K F and CHU, P K H , "Hydrothermal Synthesis of Perovskite-type MTiO₃ (M=Zn, Co, Ni)/TiO₂ Nanotube Arrays from an Amorphous TiO₂ Template", *Crystengcomm*, Vol 16, 2014, pp 10280-10285, doi: 10.1039/c4ce00992d.

#JIN, W, WU, G, #LI, P and CHU, P K H , "Improved Corrosion Resistance of Mg-Y-RE Alloy Coated with Niobium Nitride", *Thin Solid Films*, Vol 572, 27 August 2014, pp 85-90.

#JIN, W, WU, G, FENG, H, WANG, W, #ZHANG, X M and CHU, P K H , "Improvement of corrosion resistance and biocompatibility of rare-earth WE43 magnesium alloy by neodymium self-ion implantation", *Corrosion Science*, Vol 94, May 2015, pp 142-155, doi: 10.1016/j.corsci.2015.01.049.

KAN Wai Kwan

#KAN, W K, LEUNG, L H T and YU, K N , "The Use of Biologically Related Model (Eclipse) for the Intensity-Modulated Radiation Therapy Planning of Nasopharyngeal Carcinomas", *PLoS One*, 9(11), 5 November 2014, p e112229, doi: 10.1371/journal.pone.0112229.

KWOK So Ying

#WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P , "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.

LAM Kong Kwan

#LAM, K K, FUNG, Y K, HAN, W, #LI, L, CHIU, S K, CHENG, S H and YU, K N , "MODULATION OF NF- κ B IN RESCUED IRRADIATED CELLS", *Radiation Protection Dosimetry*, 24 April 2015, pp 1-7.

#LAM, K K, FUNG, Y K, HAN, W and YU, K N , "Rescue Effects: Irradiated Cells Helped by Unirradiated Bystander Cells", *International Journal of Molecular Sciences*, 16(2), February 2015, pp 2591-2609, doi: 10.3390/ijms16022591.

LEE Christopher Michael, Chris

#ZHANG, J, ZHAN, Y, BIAN, H, LI, Z, #TSANG, C K, #LEE, C M C, CHENG, H, #SHU, S, LI, Y Y and LU, J , "Electrochemical dealloying using pulsed voltage waveforms and its application for supercapacitor electrodes", *Journal of Power Sources*, Vol 257, 1 July 2014, pp 374-379, doi: 10.1016/j.jpowsour.2013.11.039.

Section A: Publications of PhD Students

- CHENG, H, #SHU, S, LU, Z, #LEE, C M C, #ZENG, S, LU, J and LI, Y Y, "Electrochemical fabrication and optical properties of porous tin oxide films with structural colors", *Journal of Applied Physics*, 116(15), 21 October 2014, p 153511, doi: 10.1063/1.4897362.
- LEI Yanqiang** DENG, Z, #LEI, Y, LU, X, WANG, W, ZHU, H, NG, S P R, GUO, W and WU, C M L, "Hydrodenitrogenation of pyridine on MoP(010): Competition between hydrogenation and denitrification", *Inorganica Chimica Acta*, Vol 435, 2015, pp 30-37, doi: 10.1016/j.ica.2015.06.008.
- LEUNG Kwan Lan** #CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, LU, Z and CHUNG, C Y, "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}]O₂ as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.
- #LIU, Y, CAO, L, #CAO, C, #WANG, M, #LEUNG, K L, #ZENG, S, HUNG, T F, CHUNG, C Y and LU, Z, "Facile synthesis of spinel CuCo₂O₄ nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries", *CHEMICAL COMMUNICATIONS*, 50(93), 2014, pp 14635-14638, doi: 10.1039/c4cc04682j.
- LEUNG Yu Hang** DJURISIC, A B, #LEUNG, Y H, NG, A M C, XU, X, LEE, P K H, DEGGER, N and WU, R S S, "Toxicity of metal oxide nanoparticles: Mechanisms, characterization, and avoiding experimental artefacts", *Small*, 11(1), 2015, pp 26-44.
- LI Jianfu** #BIAN, J C, #LI, J F, KALYTCHUK, S, #WANG, Y, LI, Q, LAU, T C, NIEHAUS, T A, ROGATCH, A and ZHANG, R Q, "Efficient Emission Facilitated by Multiple Energy Level Transitions in Uniform Graphitic Carbon Nitride Films Deposited by Thermal Vapor Condensation", *Chemphyschem*, 16(5), 7 April 2015, pp 954-959, doi: 10.1002/cphc.201402898.
- #BIAN, J, #SHU, S, #LI, J, #HUANG, C, LI, Y Y and ZHANG, R Q, "Reproducible and recyclable SERS substrates: Flower-like Ag structures with concave surfaces formed by electrodeposition", *Applied Surface Science*, Vol 333, 1 April 2015, pp 126-133, doi: 10.1016/j.apsusc.2015.02.007.
- #BIAN, J, LI, Q, #HUANG, C, #LI, J, GUO, Y, #ZAW, M W and ZHANG, R Q, "Thermal vapor condensation of uniform graphitic carbon nitride films with remarkable photocurrent density for photoelectrochemical applications", *Nano Energy*, Vol 15, 2015, pp 353-361.
- LI Limin** #ZHANG, X M, GAO, B, HU, L, #LI, L, #JIN, W, HUO, K F and CHU, P K H, "Hydrothermal Synthesis of Perovskite-type MTiO₃ (M=Zn, Co, Ni)/TiO₂ Nanotube Arrays from an Amorphous TiO₂ Template", *Crystengcomm*, Vol 16, 2014, pp 10280-10285, doi: 10.1039/c4ce00992d.
- #ZHANG, X M, #PENG, X, LI, W, #LI, L, GAO, B, WU, G, HUO, K and CHU, P K H, "Robust Electrodes Based on Coaxial TiC/C-MnO₂ Core/Shell Nanofiber Arrays with Excellent Cycling Stability for High-Performance Supercapacitors", *Small*, 11(15), 17 April 2015, pp 1847-1856, doi: 10.1002/smll.201402519.
- #LI, L, #ZHANG, X M, WU, G, #PENG, X, HUO, K and CHU, P K H, "Supercapacitor Electrodes Based on Hierarchical Mesoporous MnO_x/Nitrided TiO₂ Nanorod Arrays on Carbon Fiber Paper", *Advanced Materials Interfaces*, 2(6), 17 April 2015, p 1400446, doi: 10.1002/admi.201400446.

LI Penghui

SALEEM, S, ADMAD, R, IKHLAQ, U, AYUB, R, #JIN, W, #XU, R, #LI, P, ABBAS, K and CHU, P K H, "Effects of N₂/O₂ Flow Rate on the Surface Properties and Biocompatibility of Nano-Structured TiO_xNy Thin Films Prepared by High Vacuum Magnetron Sputtering", *Chinese Physics B*, Vol 24(7), 2015, pp 075202-1-075202-6.

LIU, X, #LI, P, WANG, W, WENG, Z, GUO, H, YUENG, K W K, #WU, S L and CHU, P K H, "Effects of Plasma Polymerization on the Performance of Biomedical Titanium", *Rare Metal Materials and Engineering*, Vol 43, September 2014, pp 291-295.

WU, G, #LI, P, FENG, H, #ZHANG, X M and CHU, P K H, "Engineering and functionalization of biomaterials via surface modification", *JOURNAL OF MATERIALS CHEMISTRY B*, 3(10), 14 March 2015, pp 2024-2042, doi: 10.1039/c4tb01934b.

LIU, X M, WENG, Z Y, #LI, P, WONG, H M, WANG, W H, WU, S L, YEUNG, K W K and CHU, P K H, "Enhanced Bioactivity of Biomedical NiTi through Surface Plasma Polymerization", *Nanoscience and Nanotechnology Letters*, Vol 7, 21 September 2014, pp 220-225.

#JAMESH, M I, #LI, P, BILEK, M M M, BOXMAN, R L, MCKENZIE, D R and CHU, P K H, "Evaluation of Corrosion Resistance and Cytocompatibility of Graded Metal Carbon Film on Ti and NiTi Prepared by Hybrid Cathodic Arc / Glow Discharge Plasma-Assisted Chemical Vapor Deposition", *Corrosion Science*, Vol 97, 11 May 2015, pp 126-138.

LI, H, YAN, K, SHANG, Y, SHRESTHA, L, LIAO, R, LIU, F, #LI, P, XU, H, XU, Z and CHU, P K H, "Folate-bovine serum albumin functionalized polymeric micelles loaded with superparamagnetic iron oxide nanoparticles for tumor targeting and magnetic resonance imaging", *Acta Biomaterialia*, Vol 15, 15 March 2015, pp 117-126, doi: 10.1016/j.actbio.2015.01.006.

#JIN, W, WU, G, #LI, P and CHU, P K H, "Improved Corrosion Resistance of Mg-Y-RE Alloy Coated with Niobium Nitride", *Thin Solid Films*, Vol 572, 27 August 2014, pp 85-90.

CHEN, W, LI, Q, #LI, P, ZHANG, Q, XU, Z S, CHU, P K H, WANG, X and YI, C, "In situ random co-polycondensation for preparation of reduced graphene oxide/polyimide nanocomposites with amino-modified and chemically reduced graphene oxide", *Journal of Materials Science*, 50(11), June 2015, pp 3860-3874, doi: 10.1007/s10853-015-8890-7.

LIANG Xiaoguang

HAN, N A, YANG, Z, WANG, F Y, #YIP, S P, #DONG, G, #LIANG, X, HUNG, T F, CHEN, Y and HO, J C Y, "Modulating the morphology and electrical properties of GaAs nanowires via the catalyst stabilization by oxygen", *ACS Applied Materials & Interfaces*, Vol 7, 20 February 2015, pp 5591-5597.

LIU Fu

#WEI, P J, #LIU, F, LIANG, Z, YAN, X, CHU, S T and LI, J T H, "An acoustic beam shifter with enhanced transmission using perforated metamaterials", *EPL*, 109(1), January 2015, p 14004, doi: 10.1209/0295-5075/109/14004.

LIU Peng

ZHANG, Q, #LIU, P, MIAO, C J, CHEN, Z W, WU, C M L and SHEK, C H, "Formation of orthorhombic SnO₂ originated from lattice distortion by Mn-doped tetragonal SnO₂", *RSC Advances*, Vol 5, 23 April 2015, pp 39285-39290.

Section A: Publications of PhD Students

- LIU Ying** #CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, LU, Z and CHUNG, C Y, "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}]O₂ as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.
- #LIU, Y, CAO, L, #CAO, C, #WANG, M, #LEUNG, K L, #ZENG, S, HUNG, T F, CHUNG, C Y and LU, Z, "Facile synthesis of spinel CuCo₂O₄ nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries", *CHEMICAL COMMUNICATIONS*, 50(93), 2014, pp 14635-14638, doi: 10.1039/c4cc04682j.
- LU Shengbo** #LU, S, XU, Z K, KWOK, K W, CHAN, H L W and ZUO, R, "Hot-stage transmission electron microscopy study of (Na, K)NbO₃ based lead-free piezoceramics", *Applied Physics Letters*, 105(11), 15 September 2014, p 119901, doi: 10.1063/1.4894639.
- #LU, S, XU, Z K, SU, S and ZUO, R, "Temperature driven nano-domain evolution in lead-free Ba(Zr_{0.2}Ti_{0.8})O₃₋₅₀(Ba_{0.7}Ca_{0.3})TiO₃ piezoceramics", *Applied Physics Letters*, 105(3), 21 July 2014, p 032903, doi: 10.1063/1.4891756.
- MA Jiale** HUANG, H, #CHEN, R, #MA, J, LI, Y, ZHAO, Y, #WANG, Y, ZHANG, W J, FAN, J and CHEN, X F, "Graphitic carbon nitride solid nanofilms for selective and recyclable sensing of Cu²⁺ and Ag⁺ in water and serum", *CHEMICAL COMMUNICATIONS*, 50(97), 2014, pp 15415-15418, doi: 10.1039/c4cc06659f.
- MA Ruguang** #CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, LU, Z and CHUNG, C Y, "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}]O₂ as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.
- MO Hin Wai** YANG, Q, DOU, W, #WANG, C, #MO, H W, LO, M F, #YUEN, M F, NG, T W, ZHANG, W J, TSANG, S W S and LEE, C S, "Effects of graphene defect on electronic structures of its interface with organic semiconductor", *Applied Physics Letters*, 106(13), 30 March 2015, p 133502, doi: 10.1063/1.4916736.
- MOHAMMED IBRAHIM Jamesh** #JAMESH, M I, WU, G, ZHAO, Y, MCKENZIE, D R, BILEK, M M M and CHU, P K H, "Electrochemical corrosion behavior of biodegradable Mg-Y-RE and Mg-Zn-Zr alloys in Ringer's solution and simulated body fluid", *Corrosion Science*, Vol 91, February 2015, pp 160-184, doi: 10.1016/j.corsci.2014.11.015.
- #JAMESH, M I, #LI, P, BILEK, M M M, BOXMAN, R L, MCKENZIE, D R and CHU, P K H, "Evaluation of Corrosion Resistance and Cytocompatibility of Graded Metal Carbon Film on Ti and NiTi Prepared by Hybrid Cathodic Arc / Glow Discharge Plasma-Assisted Chemical Vapor Deposition", *Corrosion Science*, Vol 97, 11 May 2015, pp 126-138.
- #JAMESH, M I, BOXMAN, R L, NOSWORTHY, N J, FALCONER, I S, CHU, P K H, BILEK, M M M, KONDYURIN, A, GANESAN, R and MCKENZIE, D R, "Graded metal carbon protein binding films prepared by hybrid cathodic arc - Glow discharge plasma assisted chemical vapor deposition", *Surface and Coatings Technology*, Vol 265, 15 March 2015, pp 222-234, doi: 10.1016/j.surfcoat.2014.11.025.
- PEI Zengxia** #PEI, Z, WENG, S and LIU, P, "Enhanced Photocatalytic Activity by Bulk Trapping and Spatial Separation of Charge Carriers: A Case Study of Defect and Facet Mediated TiO₂", *Applied Catalysis B-Environmental*, Vol 180, 30 June 2015, pp 463-470, doi: doi:10.1016/j.apcatb.2015.06.045.

HUANG, Y, HU, H, #HUANG, Y, #ZHU, M, MENG, W, LIU, C, #PEI, Z, #HAO, C, WANG, Z and ZHI, C, "From Industrially Weavable and Knittable Highly Conductive Yarns to Large Wearable Energy Storage Textiles", *ACS Nano*, Vol 9, 5 April 2015, pp 4766-4775.

#HUANG, Y, HUANG, Y, #ZHU, M, MENG, W, #PEI, Z, LIU, C, HU, H and ZHI, C, "Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor", *ACS Nano*, Vol 9(6), 1 June 2015, pp 6242-6251, doi: 10.1021/acsnano.5b01602.

#HUANG, Y, #ZHU, M, MENG, W, FU, Y, WANG, Z, HUANG, Y, #PEI, Z and ZHI, C, "Robust reduced graphene oxide paper fabricated with a household non-stick frying pan: a large-area freestanding flexible substrate for supercapacitors", *RSC Advances*, 5(43), 2015, pp 33981-33989, doi: 10.1039/c5ra02868j.

PENG Xiang

MA, G, WANG, Z, GAO, B, DING, T, ZHONG, Q, #PENG, X, SU, J, YUAN, L, CHU, P K H, ZHOU, J and HUO, K, "Multilayered paper-like electrodes composed of alternating stacked mesoporous Mo₂N nanobelts and reduced graphene oxide for flexible all-solid-state supercapacitors", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(28), 2015, pp 14617-14624, doi: 10.1039/C5TA02851E.

#PENG, X, HUO, K, FU, J, GAO, B, WANG, L, HU, L, #ZHANG, X M and CHU, P K H, "Porous Dual-Layered MoO_x Nanotube Arrays with Highly Conductive TiN Cores for Supercapacitors", *ChemElectroChem*, 2(4), 15 April 2015, pp 512-517, doi: 10.1002/celec.201402349.

#PENG, X, WANG, L, ZHANG, X, GAO, B, FU, J J, XIAO, S, HUO, K F and CHU, P K H, "Reduced Graphene Oxide Encapsulated Selenium Nanoparticles for High-Power Lithium-Selenium Battery Cathode", *Journal of Power Sources*, Vol 288, 19 April 2015, pp 214-220.

#ZHANG, X M, #PENG, X, LI, W, #LI, L, GAO, B, WU, G, HUO, K and CHU, P K H, "Robust Electrodes Based on Coaxial TiC/C-MnO₂ Core/Shell Nanofiber Arrays with Excellent Cycling Stability for High-Performance Supercapacitors", *Small*, 11(15), 17 April 2015, pp 1847-1856, doi: 10.1002/sml.201402519.

#LI, L, #ZHANG, X M, WU, G, #PENG, X, HUO, K and CHU, P K H, "Supercapacitor Electrodes Based on Hierarchical Mesoporous MnO_x/Nitrided TiO₂ Nanorod Arrays on Carbon Fiber Paper", *Advanced Materials Interfaces*, 2(6), 17 April 2015, p 1400446, doi: 10.1002/admi.201400446.

QIAN Jincheng

#QIAN, J, JHA, S K, WANG, B Q, JELENKOVIC, E V, BELLO, I, KLEMBERG-SAPIEHA, J E, MARTINU, L and ZHANG, W J, "High quality boron carbon nitride/ZnO-nanorods p-n heterojunctions based on magnetron sputtered boron carbon nitride films", *Applied Physics Letters*, 105(19), 10 November 2014, p 192104, doi: 10.1063/1.4901273.

#QIAN, J, ZHOU, Z F, ZHANG, W J, LI, K Y L, BELLO, I, MARTINU, L and KLEMBERG-SAPIEHA, J E, "Microstructure and tribo-mechanical properties of Ti-B-C nanocomposite films prepared by magnetron sputtering", *Surface and Coatings Technology*, Vol 270, 2015, pp 290-298.

#QIAN, J, ZHOU, Z F, #YAN, C, LI, D J, LI, K Y L, DESCARTES, S, CHROMIK, R, ZHANG, W J, BELLO, I, MARTINU, L and KLEMBERG-SAPIEHA, J E, "Tailoring the mechanical and tribological properties of sputtered boron carbide films via the B_{1-x}C_x composition", *Surface and Coatings Technology*, Vol 267, 15 April 2015, pp 2-7, doi: 10.1016/j.surfcoat.2014.10.003.

Section A: Publications of PhD Students

- TSANG Chun Kwan** #ZHANG, J, ZHAN, Y, BIAN, H, LI, Z, #TSANG, C K, #LEE, C M C, CHENG, H, #SHU, S, LI, Y Y and LU, J, "Electrochemical dealloying using pulsed voltage waveforms and its application for supercapacitor electrodes", *Journal of Power Sources*, Vol 257, 1 July 2014, pp 374-379, doi: 10.1016/j.jpowsour.2013.11.039.
- UDDIN Salah** #UDDIN, S and CHAN, K S, "Band structure of ABC-trilayer graphene superlattice", *Journal of Applied Physics*, 116(20), 28 November 2014, pp 203704-1-203704-7, doi: 10.1063/1.4902846.
- VANESKI Aleksandar** SCHNEIDER, J, #VANESKI, A, PESCH, G R, SUSHA, A, TEOH, W Y and ROGATCH, A, "Enhanced hydrogen evolution rates at high pH with a colloidal cadmium sulphide-platinum hybrid system", *APL Materials*, 2(12), December 2014, p 126102, doi: 10.1063/1.4904070.
- SIMON, T, BOUCHONVILLE, N, BERR, M J, #VANESKI, A, ADROVIC, A, VOLBERS, D, WYRWICH, R, DOEBLINGER, M, SUSHA, A, ROGATCH, A, JACKEL, F, STOLARCZYK, J K and FELDMANN, J, "Redox shuttle mechanism enhances photocatalytic H₂ generation on Ni-decorated CdS nanorods", *Nature Materials*, 13(11), November 2014, pp 1013-1018, doi: 10.1038/NMAT4049.
- KALYTCHUK, S, #GUPTA, S, ZHOVTIUK, O, #VANESKI, A, KERSHAW, S V, FU, H, FAN, Z, KWOK, E C H, WANG, C, TEOH, W Y and ROGATCH, A, "Semiconductor Nanocrystals as Luminescent Down-Shifting Layers To Enhance the Efficiency of Thin-Film CdTe/CdS and Crystalline Si Solar Cells", *Journal of Physical Chemistry C*, 118(30), 31 July 2014, pp 16393-16400, doi: 10.1021/jp410279z.
- WANG Chundong** HE, L, DU, N, #WANG, C, CHEN, X F and ZHANG, W J, "A facile synthesis of graphene-supported mesoporous TiO₂ hybrid sheets with uniform coverage and controllable pore diameters", *Microporous and Mesoporous Materials*, Vol 206, April 2015, pp 95-101, doi: 10.1016/j.micromeso.2014.12.015.
- WU, Q, QU, B, TANG, J, #WANG, C, WANG, D, LI, Y Y and REN, J, "An Alumina-Coated Fe₃O₄-Reduced Graphene Oxide Composite Electrode as a Stable Anode for Lithium-ion Battery", *Electrochimica Acta*, Vol 156, 20 February 2015, pp 147-153, doi: 10.1016/j.electacta.2014.12.149.
- YANG, Q, DOU, W, #WANG, C, #MO, H W, LO, M F, #YUEN, M F, NG, T W, ZHANG, W J, TSANG, S W S and LEE, C S, "Effects of graphene defect on electronic structures of its interface with organic semiconductor", *Applied Physics Letters*, 106(13), 30 March 2015, p 133502, doi: 10.1063/1.4916736.
- XU, J, #WANG, C, LIU, J, #XU, S, ZHANG, W J and LU, Y, "Facile fabrication of a novel nanoporous Au/AgO composite for electrochemical double-layer capacitor", *RSC Advances*, 5(49), 15 April 2015, pp 38995-39002.
- #WANG, C, XU, J, YUEN, M F, ZHANG, J, LI, Y Y, CHEN, X F and ZHANG, W J, "Hierarchical Composite Electrodes of Nickel Oxide Nanoflake 3D Graphene for High-Performance Pseudocapacitors", *ADVANCED FUNCTIONAL MATERIALS*, 24(40), 29 October 2014, pp 6372-6380, doi: 10.1002/adfm.201401216.

Section A: Publications of PhD Students

XU, F, YUEN, M F, HE, B, #WANG, C, ZHAO, X R, TANG, X L, ZUO, D W and ZHANG, W J, "Microstructure and tribological properties of cubic boron nitride films on Si₃N₄ inserts via boron-doped diamond buffer layers", *Diamond and Related Materials*, Vol 49, October 2014, pp 9-13, doi: 10.1016/j.diamond.2014.07.014.

YAN, Z, YAO, W, HU, L, LIU, D, #WANG, C and LEE, C S, "Progress in the preparation and application of three-dimensional graphene-based porous nanocomposites", *Nanoscale*, 7(13), 2015, pp 5563-5577, doi: 10.1039/c5nr00030k.

WANG Hongkang

#WANG, H, #WANG, M, LI, B, #YANG, X, SAFAROVA, K, ZBORIL, R, ROGATCH, A and LEUNG, K H M, "Hydrothermal synthesis and electrochemical properties of tin titanate nanowires coupled with SnO₂ nanoparticles for Li-ion batteries", *Crystengcomm*, 16(32), 2014, pp 7529-7535.

WANG Man

#CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, LU, Z and CHUNG, C Y, "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}O₂] as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.

#LIU, Y, CAO, L, #CAO, C, #WANG, M, #LEUNG, K L, #ZENG, S, HUNG, T F, CHUNG, C Y and LU, Z, "Facile synthesis of spinel CuCo₂O₄ nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries", *CHEMICAL COMMUNICATIONS*, 50(93), 2014, pp 14635-14638, doi: 10.1039/c4cc04682j.

#WANG, H, #WANG, M, LI, B, #YANG, X, SAFAROVA, K, ZBORIL, R, ROGATCH, A and LEUNG, K H M, "Hydrothermal synthesis and electrochemical properties of tin titanate nanowires coupled with SnO₂ nanoparticles for Li-ion batteries", *Crystengcomm*, 16(32), 2014, pp 7529-7535.

WANG Xiaolei

#WANG, X, #SHAO, Q, KU, P S R and RUOTOLO, A, "A memristive diode for neuromorphic computing", *Microelectronic Engineering*, Vol 138, 2015, pp 7-11.

WANG Yu

#BIAN, J C, #LI, J F, KALYTCHUK, S, #WANG, Y, LI, Q, LAU, T C, NIEHAUS, T A, ROGATCH, A and ZHANG, R Q, "Efficient Emission Facilitated by Multiple Energy Level Transitions in Uniform Graphitic Carbon Nitride Films Deposited by Thermal Vapor Condensation", *Chemphyschem*, 16(5), 7 April 2015, pp 954-959, doi: 10.1002/cphc.201402898.

HUANG, H, #CHEN, R, #MA, J, LI, Y, ZHAO, Y, #WANG, Y, ZHANG, W J, FAN, J and CHEN, X F, "Graphitic carbon nitride solid nanofilms for selective and recyclable sensing of Cu²⁺ and Ag⁺ in water and serum", *CHEMICAL COMMUNICATIONS*, 50(97), 2014, pp 15415-15418, doi: 10.1039/c4cc06659f.

SUN, C, ZHANG, Y, #WANG, Y, LIU, W, KALYTCHUK, S, KERSHAW, S V, ZHANG, T, ZHANG, X, ZHAO, J, YU, W W and ROGATCH, A, "High color rendering index white light emitting diodes fabricated from a combination of carbon dots and zinc copper indium sulfide quantum dots", *Applied Physics Letters*, 104(26), 2014, pp 261106-1-261106-4.

WEI Liping

#WEI, L, DOUGHAN, S, HAN, Y, DACOSTA, M V, KRULL, U J and HO, D, "The Intersection of CMOS Microsystems and Upconversion Nanoparticles for Luminescence Bioimaging and Bioassays", *Sensors*, 14(9), September 2014, pp 16829-16855, doi: 10.3390/s140916829.

Section A: Publications of PhD Students

- WEI Pengjiang** #WEI, P J, #LIU, F, LIANG, Z, YAN, X, CHU, S T and LI, J T H, "An acoustic beam shifter with enhanced transmission using perforated metamaterials", *EPL*, 109(1), January 2015, p 14004, doi: 10.1209/0295-5075/109/14004.
- WEI Xiaoya** LAN, S, #WEI, X Y, ZHOU, J, LU, Z, #WU, X, FEYGENSON, M, NEUEFEIND, J and WANG, X, "In-situ study of crystallization kinetics in ternary bulk metallic glass alloys with different glass forming abilities", *Applied Physics Letters*, 105(20), 17 November 2014, p 201906, doi: 10.1063/1.4901905.
- WONG Kai Kin** #WONG, K K, #CHEN, C, MICHAEL, M K, KONRAD, S and MAVILA CHATHOTH, S, "Atomic caging in multicomponent glass-forming metallic liquids", *EPL*, 110(46001), 27 May 2015, pp 46001-p1-46001-p4, doi: 10.1209/0295-5075/110/46001.
- #WONG, K K, #CHEN, C, KONG, W, VELLAISAMY, A L R and MAVILA CHATHOTH, S, "Diffusion of gold nanoparticles in toluene and water as seen by dynamic light scattering", *Journal of Nanoparticle Research*, Vol 17, 20 May 2015, pp 153-1-153-8, doi: 10.1007/s11051-015-2965-x.
- HUANG, Y X, #WONG, K K, LAN, S, P. EMBS, J P, QING, D, LU, Z, WANG, X and MAVILA CHATHOTH, S, "Observation of distinct atomic relaxation process in a phase-separated metallic glass-forming melt", *EPL*, Vol 108, November 2014, p 46001.
- WONG Shuk Ping** #WONG, S P, HU, M, SHI, D, LI, K Y R and WONG, J S S, "In-situ monitoring on dynamics of solute transport in polymer films", *Polymer*, Vol 58, 10 February 2015, pp 67-75, doi: 10.1016/j.polymer.2014.12.039.
- GAO, J, HU, M, LI, W, #WONG, S P and LI, K Y R, "Morphological evolution from porous nanofibers to rice like nanobeans", *Materials Letters*, Vol 128, 1 August 2014, pp 110-113, doi: 10.1016/j.matlet.2014.04.107.
- WU Hao** ZHENG, Q, #WU, H, WANG, N, YAN, R, MA, Y, GUANG, W, WANG, J and DING, K, "Graphene-based Biosensors for Biomolecules Detection", *Current Nanoscience*, Vol 10, October 2014, pp 627-637.
- WU Qi** #WU, Q, WANG, X, NIEHAUS, T A and ZHANG, R Q, "Boundary and Symmetry Determined Exciton Distribution in Two Dimensional Silicon Nanosheets", *Journal of Physical Chemistry C*, 118(35), 4 September 2014, pp 20070-20076, doi: 10.1021/jp501433t.
- ZENG, X, REN, Z, #WU, Q, FAN, J, PENG, P P, TANG, K, ZHANG, R Q, ZHAO, K H and YANG, X, "Dynamic Crystallography Reveals Early Signalling Events in Ultraviolet Photoreceptor UVR8", *Nature Plants*, 1(1), January 2015, pp 14006-1-14006-6.
- #WU, Q, HUANG, B, NIEHAUS, T A, YANG, X, FAN, J and ZHANG, R Q, "The role of tryptophans in the UV-B absorption of a UVR8 photoreceptor - a computational study", *Physical Chemistry Chemical Physics*, 17(16), 2015, pp 10786-10794, doi: 10.1039/c4cp06073c.
- WU Shuilin** LIU, X, #LI, P, WANG, W, WENG, Z, GUO, H, YUENG, K W K, #WU, S L and CHU, P K H, "Effects of Plasma Polymerization on the Performance of Biomedical Titanium", *Rare Metal Materials and Engineering*, Vol 43, September 2014, pp 291-295.

Section A: Publications of PhD Students

GUO, H, WENG, Z Y, LIU, X M, YEUNG, K W K, #WU, S L and CHU, P K H , "Fabrication of Titania Nanofilm on Biomedical Titanium and Biocompatibility Research", *Rare Metal Materials and Engineering*, Vol 43, September 2014, pp 286-290.

LIAO, J, #WU, S L, YIN, Z, HUANG, S, NING, C, TAN, G and CHU, P K H , "Surface-Dependent Self-Assembly of Conducting Polypyrrole Nanotube Arrays in Template-Free Electrochemical Polymerization", *ACS Applied Materials & Interfaces*, 6(14), 23 July 2014, pp 10946-10951, doi: 10.1021/am5017478.

WU Xuelian

LAN, S, #WEI, X Y, ZHOU, J, LU, Z, #WU, X, FEYGENSON, M, NEUEFEIND, J and WANG, X , "In-situ study of crystallization kinetics in ternary bulk metallic glass alloys with different glass forming abilities", *Applied Physics Letters*, 105(20), 17 November 2014, p 201906, doi: 10.1063/1.4901905.

XI Liujiang

#CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, LU, Z and CHUNG, C Y , "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}O₂] as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.

WANG, H, #XI, L, TUCEK, J, MA, C, YANG, G, LEUNG, K H M, ZBORIL, R, NIU, C and ROGATCH, A , "Synthesis and Characterization of Tin Titanate Nanotubes: Precursors for Nanoparticulate Sn-Doped TiO₂ Anodes with Synergistically Improved Electrochemical Performance", *ChemElectroChem*, 1(9), 16 September 2014, pp 1563-1569, doi: 10.1002/celec.201402188.

XIU Fei

#FANG, M, LIN, H, #CHEUNG, H Y, #YIP, S P, #XIU, F, WONG, C Y and HO, J C Y , "Optical Nanoscale Patterning through Surface-Textured Polymer Films", *Advanced Optical Materials*, Vol 2, September 2014, pp 855-860.

XU Jiaju

#HUANG, L, XU, Z, CHEN, X F, TIAN, W, #HAN, S, ZHOU, Y, #XU, J, #YANG, X and VELLAISAMY, A L R , "Poly(3-hexylthiophene) nanotubes with tunable aspect ratios and charge transport properties", *ACS Applied Materials & Interfaces*, 6(15), 2014, pp 11874-11881.

XU Ruizhen

SALEEM, S, ADMAD, R, IKHLAQ, U, AYUB, R, #JIN, W, #XU, R, #LI, P, ABBAS, K and CHU, P K H , "Effects of N₂/O₂ Flow Rate on the Surface Properties and Biocompatibility of Nano-Structured TiO_xN_y Thin Films Prepared by High Vacuum Magnetron Sputtering", *Chinese Physics B*, Vol 24(7), 2015, pp 075202-1-075202-6.

XUE Hongtao

HUANG, Y, #HUANG, Y, MENG, W J, #ZHU, M S, #XUE, H T, LEE, C S and ZHI, C Y , "Enhanced Tolerance to Stretch-Induced Performance Degradation of Stretchable MnO₂-Based Supercapacitors", *ACS Applied Materials & Interfaces*, 7(4), 4 February 2015, pp 2569-2574, doi: 10.1021/am507588p.

KANG, W, TANG, Y, LI, W, #YANG, X, #XUE, H, YANG, Q and LEE, C S , "High interfacial storage capability of porous NiMn₂O₄/C hierarchical tremella-like nanostructures as the lithium ion battery anode", *Nanoscale*, 7(1), 2015, pp 225-231, doi: 10.1039/c4nr04031g.

YAN, Z, #XUE, H, BERNING, K, LAM, Y W and LEE, C S , "Identification of Multifunctional Graphene-Gold Nanocomposite for Environment-Friendly Enriching, Separating, and Detecting Hg²⁺ Simultaneously", *ACS Applied Materials & Interfaces*, 6(24), 24 December 2014, pp 22761-22768, doi: 10.1021/am506875t.

Section A: Publications of PhD Students

#YANG, X, TANG, Y, HUANG, X, #XUE, H, KANG, W, LI, W, NG, T W and LEE, C S , "Lithium ion battery application of porous composite oxide microcubes prepared via metal-organic frameworks", *Journal of Power Sources*, Vol 284, 15 June 2015, pp 109-114, doi: 10.1016/j.jpowsour.2015.02.155.

#XUE, H, YU, D Y W, #QING, J, #YANG, X, XU, J, LI, Z, SUN, M, KANG, W, TANG, Y and LEE, C S , "Pyrite FeS₂ microspheres wrapped by reduced graphene oxide as high-performance lithium-ion battery anodes", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(15), 2015, pp 7945-7949, doi: 10.1039/c5ta00988j.

XU, J, #XUE, H, #YANG, X, WEI, H, LI, W, LI, Z, ZHANG, W J and LEE, C S , "Synthesis of Honeycomb-like Mesoporous Pyrite FeS₂ Microspheres as Efficient Counter Electrode in Quantum Dots Sensitized Solar Cells", *Small*, 10(22), 26 November 2014, pp 4754-4759, doi: 10.1002/sml.201401102.

YAN Ce

#QIAN, J, ZHOU, Z F, #YAN, C, LI, D J, LI, K Y L, DESCARTES, S, CHROMIK, R, ZHANG, W J, BELLO, I, MARTINU, L and KLEMBERG-SAPIEHA, J E , "Tailoring the mechanical and tribological properties of sputtered boron carbide films via the B_{1-x}C_x composition", *Surface and Coatings Technology*, Vol 267, 15 April 2015, pp 2-7, doi: 10.1016/j.surfcoat.2014.10.003.

YAN Li

#YAN, L, #YANG, Y, ZHANG, W J and CHEN, X F , "Advanced Materials and Nanotechnology for Drug Delivery", *ADVANCED MATERIALS*, 26(31), 20 August 2014, pp 5533-5540, doi: 10.1002/adma.201305683.

#WANG, Z, MA, R, #YAN, L, CHEN, X F and ZHU, G , "Combined chemotherapy and photodynamic therapy using a nanohybrid based on layered double hydroxides to conquer cisplatin resistance", *CHEMICAL COMMUNICATIONS*, Vol 51, 2015, pp 11587-11590, doi: 10.1039/C5CC04376J.

MA, R, #WANG, Y, #YAN, L, #MA, L, #WANG, Z, CHAN, H C, CHIU, S K, CHEN, X F and ZHU, G , "Efficient co-delivery of a Pt(IV) prodrug and a p53 activator to enhance the anticancer activity of cisplatin", *CHEMICAL COMMUNICATIONS*, Vol 51, 27 March 2015, pp 7859-7862.

#YAN, L, #ZHANG, J, LEE, C S and CHEN, X F , "Micro- and Nanotechnologies for Intracellular Delivery", *Small*, 10(22), 26 November 2014, pp 4487-4504.

#WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P , "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.

#LI, W, LUO, R, #LIN, X, JADHAV, A, ZHANG, Z, #YAN, L, CHUNG YUEN, C, CHEN, X F, HE, J, CHEN, C H and SHI, P , "Remote modulation of neural activities via near-infrared triggered release of biomolecules", *Biomaterials*, Vol 65, 2015, pp 76-85.

YAN Yan

, ZHOU, Y, #ZHOU, L, #YAN, Y, #HUANG, L, WU, W and VELLAISAMY, A L R , "CdSe/ZnS core-shell quantum dots charge trapping layer for flexible photonic memory", *JOURNAL OF MATERIALS CHEMISTRY C*, 3(13), 2015, pp 3173-3180.

#HUANG, L, ZHOU, Y, #HAN, S, #YAN, Y, #ZHOU, L, CHEN, W, #ZHOU, P, CHEN, X F and VELLAISAMY, A L R, "Controlled assembly of silver nanoparticles monolayer on 3D polymer nanotubes and their applications", *Small*, 10(22), 2014, pp 4645-4650.

#ZHOU, L, YANG, J, ZHOU, Y, , #HUANG, L, #YAN, Y and VELLAISAMY, A L R, "Dual plasmonic-enhanced bulk-heterojunction solar cell incorporating gold nanoparticles into solution-processed anode buffer layer and active layer", *Physica Status Solidi-Rapid Research Letters*, 9(2), 2015, pp 115-119.

LIU, Q, BAO, X, #YAN, Y, DU, Z, VELLAISAMY, A L R, ZHU, D, SUN, M, LEE, C S and YANG, R, "Hydrophilic poly-ether side-chained benzodithiophene-based homopolymer for solar cells and field-effect transistors", *Journal of Materials Science*, 50(5), March 2015, pp 2263-2271, doi: 10.1007/s10853-014-8789-8.

LIU, D, XIAO, M, DU, Z, #YAN, Y, HAN, L, VELLAISAMY, A L R, SUN, M, ZHU, W, LEE, C S and YANG, R, "Solution-processed, indacenodithiophene-based, small-molecule organic field-effect transistors and solar cells", *JOURNAL OF MATERIALS CHEMISTRY C*, 2(36), 2014, pp 7523-7530.

HAN, S T, ZHOU, Y, SONAR, P, WEI, H X, #ZHOU, L, #YAN, Y, LEE, C S and ROY, V A L, "Surface Engineering of Reduced Graphene Oxide for Controllable Ambipolar Flash Memories", *ACS Applied Materials & Interfaces*, 7(3), 28 January 2015, pp 1699-1708, doi: 10.1021/am5072833.

WANG, N, BAO, X, #YAN, Y, OUYANG, D, SUN, M, VELLAISAMY, A L R, LEE, C S and YANG, R, "Synthesis and Photovoltaic Properties of Conjugated D-A Copolymers Based on Thienyl Substituted Pyrene and Diketopyrrolopyrrole for Polymer Solar Cells", *Journal of Polymer Science Part A-Polymer Chemistry*, 52(22), 15 November 2014, pp 3198-3204, doi: 10.1002/pola.27378.

YANG Shiliu

#CAO, C, #XI, L, #LEUNG, K L, #WANG, M, #LIU, Y, #MA, R, #YANG, S, LU, Z and CHUNG, C Y, "Facile synthesis of porous Li-rich layered Li[Li_{0.2}Mn_{0.534}Ni_{0.133}Co_{0.133}]O₂ as high-performance cathode materials for Li-ion batteries", *RSC Advances*, 5(39), 2015, pp 30507-30513, doi: 10.1039/c5ra03445k.

YANG Xia

LI, W, TANG, Y, KANG, W, #ZHANG, Z, #YANG, X, ZHU, Y, ZHANG, W J and LEE, C S, "Core-Shell Si/C Nanospheres Embedded in Bubble Sheet-like Carbon Film with Enhanced Performance as Lithium Ion Battery Anodes", *Small*, 11(11), 18 March 2015, pp 1345-1351, doi: 10.1002/sml.201402072.

DONG, Y, YUNG, K C, MA, R, #YANG, X, #CHUI, Y S, LEE, J and ZAPIEN, J A, "Graphene/acid assisted facile synthesis of structure-tuned Fe₃O₄ and graphene composites as anode materials for lithium ion batteries", *Carbon*, Vol 86, May 2015, pp 310-317, doi: 10.1016/j.carbon.2015.01.062.

KANG, W, TANG, Y, LI, W, #YANG, X, #XUE, H, YANG, Q and LEE, C S, "High interfacial storage capability of porous NiMn₂O₄/C hierarchical tremella-like nanostructures as the lithium ion battery anode", *Nanoscale*, 7(1), 2015, pp 225-231, doi: 10.1039/c4nr04031g.

#WANG, H, #WANG, M, LI, B, #YANG, X, SAFAROVA, K, ZBORIL, R, ROGATCH, A and LEUNG, K H M, "Hydrothermal synthesis and electrochemical properties of tin titanate nanowires coupled with SnO₂ nanoparticles for Li-ion batteries", *Crystengcomm*, 16(32), 2014, pp 7529-7535.

Section A: Publications of PhD Students

#YANG, X, TANG, Y, HUANG, X, #XUE, H, KANG, W, LI, W, NG, T W and LEE, C S, "Lithium ion battery application of porous composite oxide microcubes prepared via metal-organic frameworks", *Journal of Power Sources*, Vol 284, 15 June 2015, pp 109-114, doi: 10.1016/j.jpowsour.2015.02.155.

KANG, W, YU, D Y W, LI, W, #ZHANG, Z, #YANG, X, NG, T W, ZOU, R, TANG, Y, ZHANG, W J and LEE, C S, "Nanostructured porous manganese carbonate spheres with capacitive effects on the high lithium storage capability", *Nanoscale*, 7(22), 2015, pp 10146-10151, doi: 10.1039/c5nr01843a.

XU, J, #YANG, X, YANG, Q, ZHANG, W J and LEE, C S, "Phase Conversion from Hexagonal $\text{Cu}_x\text{SySe}_{1-y}$ to Cubic $\text{Cu}_{2-x}\text{SySe}_{1-y}$: Composition Variation, Morphology Evolution, Optical Tuning, and Solar Cell Applications", *ACS Applied Materials & Interfaces*, 6(18), 24 September 2014, pp 16352-16359, doi: 10.1021/am5046247.

#XUE, H, YU, D Y W, #QING, J, #YANG, X, XU, J, LI, Z, SUN, M, KANG, W, TANG, Y and LEE, C S, "Pyrite FeS_2 microspheres wrapped by reduced graphene oxide as high-performance lithium-ion battery anodes", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(15), 2015, pp 7945-7949, doi: 10.1039/c5ta00988j.

DONG, Y, #YANG, X, #CHUI, Y S, #CAO, C and ZAPIEN, J A, "Self-assembled three-dimensional mesoporous ZnFe_2O_4 -graphene composites for lithium ion batteries with significantly enhanced rate capability and cycling stability", *Journal of Power Sources*, Vol 275, 1 February 2015, pp 769-776, doi: 10.1016/j.jpowsour.2014.11.005.

XU, J, #XUE, H, #YANG, X, WEI, H, LI, W, LI, Z, ZHANG, W J and LEE, C S, "Synthesis of Honeycomb-like Mesoporous Pyrite FeS_2 Microspheres as Efficient Counter Electrode in Quantum Dots Sensitized Solar Cells", *Small*, 10(22), 26 November 2014, pp 4754-4759, doi: 10.1002/sml.201401102.

YANG Xiongbo

#HUANG, L, XU, Z, CHEN, X F, TIAN, W, #HAN, S, ZHOU, Y, #XU, J, #YANG, X and VELLAISAMY, A L R, "Poly(3-hexylthiophene) nanotubes with tunable aspect ratios and charge transport properties", *ACS Applied Materials & Interfaces*, 6(15), 2014, pp 11874-11881.

YANG Yang

#YAN, L, #YANG, Y, ZHANG, W J and CHEN, X F, "Advanced Materials and Nanotechnology for Drug Delivery", *ADVANCED MATERIALS*, 26(31), 20 August 2014, pp 5533-5540, doi: 10.1002/adma.201305683.

#WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P, "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.

YIP Sen Po

GUO, N, HU, W, LIAO, L, #YIP, S P, HO, J C Y, MIAO, J, ZHANG, Z, ZOU, J, JIANG, T, WU, S, CHEN, X and LU, W, "Anomalous Highly-Efficient InAs Nanowire Phototransistors Based on Majority Carrier Transport at Room Temperature", *ADVANCED MATERIALS*, Vol 26, 28 October 2014, pp 8203-8209.

LIN, H, #FANG, M, CHEUNG, H Y, XIU, F, #YIP, S P, WONG, C Y and HO, J C Y, "Hierarchical Silicon Nanostructured Arrays via Metal-Assisted Chemical Etching", *RSC Advances*, Vol 4, 17 September 2014, pp 50081-50085, doi: 10.1039/c4ra06172a.

Section A: Publications of PhD Students

#DONG, G, #FANG, M, WANG, H, #YIP, S P, CHEUNG, H Y, WANG, F Y, WONG, C Y, CHU, S T and HO, J C Y, "Insight into the Electrochemical Activation of Carbon-Based Cathodes for Hydrogen Evolution Reaction", *JOURNAL OF MATERIALS CHEMISTRY A*, Vol 3, 6 May 2015, pp 13080-13086.

HAN, N A, WANG, F Y, YANG, Z, #YIP, S P, #DONG, G, LIN, H, #FANG, M, HUNG, T F and HO, J C Y, "Low-temperature growth of highly crystalline β -Ga₂O₃ nanowires by solid-source chemical vapor deposition", *Nanoscale Research Letters*, Vol 9, 7 October 2014, p 347.

HAN, N A, YANG, Z, WANG, F Y, #YIP, S P, #DONG, G, #LIANG, X, HUNG, T F, CHEN, Y and HO, J C Y, "Modulating the morphology and electrical properties of GaAs nanowires via the catalyst stabilization by oxygen", *ACS Applied Materials & Interfaces*, Vol 7, 20 February 2015, pp 5591-5597.

#FANG, M, LIN, H, #CHEUNG, H Y, #YIP, S P, #XIU, F, WONG, C Y and HO, J C Y, "Optical Nanoscale Patterning through Surface-Textured Polymer Films", *Advanced Optical Materials*, Vol 2, September 2014, pp 855-860.

#FANG, M, LIN, H, CHEUNG, H Y, XIU, F, #SHEN, L, #YIP, S P, PUN, Y B E, WONG, C Y and HO, J C Y, "Polymer-Confined Colloidal Monolayer: A Reusable Soft Photomask for Rapid Wafer-Scale Nanopatterning", *ACS Applied Materials & Interfaces*, Vol 6, 6 November 2014, pp 20837-20841.

YANG, Z, HAN, N A, #FANG, M, LIN, H, CHEUNG, H Y, #YIP, S P, WANG, E, HUNG, T F, WONG, C Y and HO, J C Y, "Surfactant-assisted Chemical Vapor Deposition of High-performance Small-diameter GaSb Nanowires", *Nature Communications*, Vol 5, 16 October 2014, p 5249.

YIU Pak Man

#YIU, P M, HSUEH, C and SHEK, C H, "Rapid thermoplastic formation of Fe-based metallic glass foil achieved by electropulsing", *Materials Letters*, Vol 136, 19 August 2014, pp 353-355.

WANG, C, #YIU, P M, CHU, J P, SHEK, C H and HSUEH, C, "Zr-Ti-Ni thin film metallic glass as a diffusion barrier between copper and silicon", *Journal of Materials Science*, 50(5), March 2015, pp 2085-2092, doi: 10.1007/s10853-014-8770-6.

YUEN Muk Fung

YANG, Q, DOU, W, #WANG, C, #MO, H W, LO, M F, #YUEN, M F, NG, T W, ZHANG, W J, TSANG, S W S and LEE, C S, "Effects of graphene defect on electronic structures of its interface with organic semiconductor", *Applied Physics Letters*, 106(13), 30 March 2015, p 133502, doi: 10.1063/1.4916736.

#ZHANG, Z, LI, W, ZOU, R, KANG, W, #CHUI, Y S, #YUEN, M F, LEE, C S and ZHANG, W J, "Layer-stacked cobalt ferrite (CoFe₂O₄) mesoporous platelets for high-performance lithium ion battery anodes", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(13), 2015, pp 6990-6997, doi: 10.1039/c5ta00073d.

ZAW Myo Win

#BIAN, J, LI, Q, #HUANG, C, GUO, Y, #ZAW, M W and ZHANG, R Q, "A durable surface-enhanced Raman scattering substrate: ultrathin carbon layer encapsulated Ag nanoparticle arrays on indium-tin-oxide glass", *Physical Chemistry Chemical Physics*, 17(22), 2015, pp 14849-14855, doi: 10.1039/c4cp05803h.

#BIAN, J, LI, Q, #HUANG, C, #LI, J, GUO, Y, #ZAW, M W and ZHANG, R Q, "Thermal vapor condensation of uniform graphitic carbon nitride films with remarkable photocurrent density for photoelectrochemical applications", *Nano Energy*, Vol 15, 2015, pp 353-361.

ZENG Shanshan

CHENG, H, #SHU, S, LU, Z, #LEE, C M C, #ZENG, S, LU, J and LI, Y Y, "Electrochemical fabrication and optical properties of porous tin oxide films with structural colors", *Journal of Applied Physics*, 116(15), 21 October 2014, p 153511, doi: 10.1063/1.4897362.

#LIU, Y, CAO, L, #CAO, C, #WANG, M, #LEUNG, K L, #ZENG, S, HUNG, T F, CHUNG, C Y and LU, Z, "Facile synthesis of spinel CuCo₂O₄ nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries", *CHEMICAL COMMUNICATIONS*, 50(93), 2014, pp 14635-14638, doi: 10.1039/c4cc04682j.

ZHA Xianhu

#ZHA, X, ZHANG, R Q and LIN, Z, "Point defect weakened thermal contraction in monolayer graphene", *Journal of Chemical Physics*, 141(6), 14 August 2014, p 064705, doi: 10.1063/1.4892419.

#ZHA, X H, ZHANG, R Q and LIN, Z, "Tuning thermal expansions of zinc oxide sheets by varying the layer thickness", *EPL*, 107(2), July 2014, p 26007, doi: 10.1209/0295-5075/107/26007.

**ZHANG Jinfeng,
Phoenix**

LAN, M, #ZHANG, J P, #CHUI, Y S, WANG, H, YANG, Q, #ZHU, X, WEI, H, LIU, W, GE, J, WANG, P, CHEN, X F, LEE, C S and ZHANG, W J, "A recyclable carbon nanoparticle-based fluorescent probe for highly selective and sensitive detection of mercapto biomolecules", *JOURNAL OF MATERIALS CHEMISTRY B*, 3(1), 2015, pp 127-134, doi: 10.1039/c4tb01354a.

LAN, M, #ZHANG, J, #CHUI, Y S, WANG, P, CHEN, X F, LEE, C S, KWONG, H L and ZHANG, W J, "Carbon Nanoparticle-based Ratiometric Fluorescent Sensor for Detecting Mercury Ions in Aqueous Media and Living Cells.", *ACS Applied Materials & Interfaces*, Vol 6, 13 November 2014, pp 21270-21278.

LAN, M, #ZHANG, J, #ZHU, X, WANG, P, CHEN, X F, LEE, C S and ZHANG, W J, "Highly stable organic fluorescent nanorods for living cell imaging", *Nano Research*, Vol 8 (7), 2015, pp 2380-2389.

#YAN, L, #ZHANG, J, LEE, C S and CHEN, X F, "Micro- and Nanotechnologies for Intracellular Delivery", *Small*, 10(22), 26 November 2014, pp 4487-4504.

#ZHANG, J P, LI, Y, AN, F, ZHANG, X, CHEN, X F and LEE, C S, "Preparation and Size Control of Sub-100 nm Pure Nanodrugs", *Nano Letters*, 15(1), January 2015, pp 313-318, doi: 10.1021/nl503598u.

ZHANG Qingtian

#ZHANG, Q and CHAN, K S, "A spin beam splitter in graphene through the Goos-Hanchen shift", *Applied Physics Letters*, 105(21), 24 November 2014, p 212408, doi: 10.1063/1.4902880.

#ZHANG, Q and CHAN, K S, "A valley beam splitter of massive Dirac electrons", *RSC Advances*, 5(11), 2015, pp 8371-8376, doi: 10.1039/c4ra12764a.

XIAO, J, LONG, M, LI, X, #ZHANG, Q, XU, H and CHAN, K S, "Effects of van der Waals interaction and electric field on the electronic structure of bilayer MoS₂", *Journal of Physics-Condensed Matter*, 26(40), 8 October 2014, p 405302, doi: 10.1088/0953-8984/26/40/405302.

#ZHANG, Q, CHAN, K S and LIN, Z, "Generation of spin polarization in graphene by the spin-orbit interaction and a magnetic barrier", *Journal of Physics D-Applied Physics*, 47(43), 29 October 2014, p 435302, doi: 10.1088/0022-3727/47/43/435302.

ZHANG Xuming

WU, G, #LI, P, FENG, H, #ZHANG, X M and CHU, P K H, "Engineering and functionalization of biomaterials via surface modification", *JOURNAL OF MATERIALS CHEMISTRY B*, 3(10), 14 March 2015, pp 2024-2042, doi: 10.1039/c4tb01934b.

#ZHANG, X M, GAO, B, HU, L, #LI, L, #JIN, W, HUO, K F and CHU, P K H, "Hydrothermal Synthesis of Perovskite-type MTiO₃ (M=Zn, Co, Ni)/TiO₂ Nanotube Arrays from an Amorphous TiO₂ Template", *Crystengcomm*, Vol 16, 2014, pp 10280-10285, doi: 10.1039/c4ce00992d.

#JIN, W, WU, G, FENG, H, WANG, W, #ZHANG, X M and CHU, P K H, "Improvement of corrosion resistance and biocompatibility of rare-earth WE43 magnesium alloy by neodymium self-ion implantation", *Corrosion Science*, Vol 94, May 2015, pp 142-155, doi: 10.1016/j.corsci.2015.01.049.

GAO, B, LI, X, MA, Y, CAO, Y, HU, Z, #ZHANG, X M, FU, J, HUO, K and CHU, P K H, "MnO₂-TiO₂/C nanocomposite arrays for high-performance supercapacitor electrodes", *Thin Solid Films*, Vol 584, 1 June 2015, pp 61-65, doi: 10.1016/j.tsf.2014.09.071.

#PENG, X, HUO, K, FU, J, GAO, B, WANG, L, HU, L, #ZHANG, X M and CHU, P K H, "Porous Dual-Layered MoO_x Nanotube Arrays with Highly Conductive TiN Cores for Supercapacitors", *ChemElectroChem*, 2(4), 15 April 2015, pp 512-517, doi: 10.1002/celec.201402349.

HUO, K, LI, Y, CHEN, R, GAO, B, PENG, C, ZHANG, W, HU, L, #ZHANG, X M and CHU, P K H, "Recyclable Non-Enzymatic Glucose Sensor Based on Ni/NiTiO₃/TiO₂ Nanotube Arrays", *ChemPlusChem*, 80(3), March 2015, pp 576-582, doi: 10.1002/cplu.201402288.

HU, Z, #ZHANG, X M, LIU, Z, HUO, K, CHU, P K H, ZHAI, J and JIANG, L, "Regulating Water Adhesion on Superhydrophobic TiO₂ Nanotube Arrays", *ADVANCED FUNCTIONAL MATERIALS*, 24(40), 29 October 2014, pp 6381-6388, doi: 10.1002/adfm.201401462.

#ZHANG, X M, #PENG, X, LI, W, #LI, L, GAO, B, WU, G, HUO, K and CHU, P K H, "Robust Electrodes Based on Coaxial TiC/C-MnO₂ Core/Shell Nanofiber Arrays with Excellent Cycling Stability for High-Performance Supercapacitors", *Small*, 11(15), 17 April 2015, pp 1847-1856, doi: 10.1002/smll.201402519.

#LI, L, #ZHANG, X M, WU, G, #PENG, X, HUO, K and CHU, P K H, "Supercapacitor Electrodes Based on Hierarchical Mesoporous MnO_x/Nitrided TiO₂ Nanorod Arrays on Carbon Fiber Paper", *Advanced Materials Interfaces*, 2(6), 17 April 2015, p 1400446, doi: 10.1002/admi.201400446.

ZHANG Zhenyu

LI, W, TANG, Y, KANG, W, #ZHANG, Z, #YANG, X, ZHU, Y, ZHANG, W J and LEE, C S, "Core-Shell Si/C Nanospheres Embedded in Bubble Sheet-like Carbon Film with Enhanced Performance as Lithium Ion Battery Anodes", *Small*, 11(11), 18 March 2015, pp 1345-1351, doi: 10.1002/sml.201402072.

ZOU, R, #ZHANG, Z, YUEN, M F, HU, J, LEE, C S and ZHANG, W J, "Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors", *Scientific Reports*, Vol 5, 19 January 2015, pp 7862-1-7862-7, doi: 10.1038/srep07862.

#ZHANG, Z, LI, W, ZOU, R, KANG, W, #CHUI, Y S, #YUEN, M F, LEE, C S and ZHANG, W J, "Layer-stacked cobalt ferrite (CoFe₂O₄) mesoporous platelets for high-performance lithium ion battery anodes", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(13), 2015, pp 6990-6997, doi: 10.1039/c5ta00073d.

KANG, W, YU, D Y W, LI, W, #ZHANG, Z, #YANG, X, NG, T W, ZOU, R, TANG, Y, ZHANG, W J and LEE, C S, "Nanostructured porous manganese carbonate spheres with capacitive effects on the high lithium storage capability", *Nanoscale*, 7(22), 2015, pp 10146-10151, doi: 10.1039/c5nr01843a.

ZHAO, Y, ZHANG, Y, #HUANG, J, #ZHANG, Z, CHEN, X F and ZHANG, W J, "Plasmonic nanopillar array embedded microfluidic chips: an in situ SERS monitoring platform", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(12), 2015, pp 6408-6413, doi: 10.1039/c4ta07076c.

ZHAO, Y, #HUANG, J, #ZHANG, Z, CHEN, X F and ZHANG, W J, "Quantitative analysis of multiplex-components and double stranded DNA by wide-range surface-enhanced Raman spectroscopy based on ordered Ag/Si nanowire arrays", *JOURNAL OF MATERIALS CHEMISTRY A*, 2(26), 14 July 2014, pp 10218-10224, doi: 10.1039/c4ta00904e.

ZOU, R, YUEN, M F, #ZHANG, Z, HU, J and ZHANG, W J, "Three-dimensional networked NiCo₂O₄/MnO₂ branched nanowire heterostructure arrays on nickel foam with enhanced supercapacitor performance", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(4), 2015, pp 1717-1723, doi: 10.1039/c4ta05059b.

ZHOU Li

WU, W, LEI, M, YANG, S, #ZHOU, L, LIU, L, XIAO, X, JIANG, C and VELLAISAMY, A L R, "A one-pot route to the synthesis of alloyed Cu/Ag bimetallic nanoparticles with different mass ratios for catalytic reduction of 4-nitrophenol", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(7), 2015, pp 3450-3455.

, ZHOU, Y, #ZHOU, L, #YAN, Y, #HUANG, L, WU, W and VELLAISAMY, A L R, "CdSe/ZnS core-shell quantum dots charge trapping layer for flexible photonic memory", *JOURNAL OF MATERIALS CHEMISTRY C*, 3(13), 2015, pp 3173-3180.

#HUANG, L, ZHOU, Y, #HAN, S, #YAN, Y, #ZHOU, L, CHEN, W, #ZHOU, P, CHEN, X F and VELLAISAMY, A L R, "Controlled assembly of silver nanoparticles monolayer on 3D polymer nanotubes and their applications", *Small*, 10(22), 2014, pp 4645-4650.

#ZHOU, L, YANG, J, ZHOU, Y, , #HUANG, L, #YAN, Y and VELLAISAMY, A L R, "Dual plasmonic-enhanced bulk-heterojunction solar cell incorporating gold nanoparticles into solution-processed anode buffer layer and active layer", *Physica Status Solidi-Rapid Research Letters*, 9(2), 2015, pp 115-119.

Section A: Publications of PhD Students

WU, W, LIU, L, DAI, Z, LIU, J, YANG, S, #ZHOU, L, XIAO, X, JIANG, C and VELLAISAMY, A L R, "Low-Cost, Disposable, Flexible and Highly Reproducible Screen Printed SERS Substrates for the Detection of Various Chemicals", *Scientific Reports*, Vol 5, 14 May 2015, pp 10208-1-10208-9.

HAN, S T, ZHOU, Y, SONAR, P, WEI, H X, #ZHOU, L, #YAN, Y, LEE, C S and ROY, V A L, "Surface Engineering of Reduced Graphene Oxide for Controllable Ambipolar Flash Memories", *ACS Applied Materials & Interfaces*, 7(3), 28 January 2015, pp 1699-1708, doi: 10.1021/am5072833.

ZHOU Peng

#HUANG, L, ZHOU, Y, #HAN, S, #YAN, Y, #ZHOU, L, CHEN, W, #ZHOU, P, CHEN, X F and VELLAISAMY, A L R, "Controlled assembly of silver nanoparticles monolayer on 3D polymer nanotubes and their applications", *Small*, 10(22), 2014, pp 4645-4650.

ZHU Minshen

HUANG, Y, #HUANG, Y, MENG, W J, #ZHU, M S, #XUE, H T, LEE, C S and ZHI, C Y, "Enhanced Tolerance to Stretch-Induced Performance Degradation of Stretchable MnO₂-Based Supercapacitors", *ACS Applied Materials & Interfaces*, 7(4), 4 February 2015, pp 2569-2574, doi: 10.1021/am507588p.

#HUANG, Y, DING, D, #ZHU, M, MENG, W, HUANG, Y, GENG, F, LI, J, LIN, J, TANG, C, LEI, Z, ZHANG, Z and ZHI, C, "Facile synthesis of alpha-Fe₂O₃ nanodisk with superior photocatalytic performance and mechanism insight", *Science and Technology of Advanced Materials*, 16(1), February 2015, p 014801, doi: 10.1088/1468-6996/16/1/014801.

HUANG, Y, HU, H, #HUANG, Y, #ZHU, M, MENG, W, LIU, C, #PEI, Z, #HAO, C, WANG, Z and ZHI, C, "From Industrially Weavable and Knittable Highly Conductive Yarns to Large Wearable Energy Storage Textiles", *ACS Nano*, Vol 9, 5 April 2015, pp 4766-4775.

#HUANG, Y, HUANG, Y, #ZHU, M, MENG, W, #PEI, Z, LIU, C, HU, H and ZHI, C, "Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor", *ACS Nano*, Vol 9(6), 1 June 2015, pp 6242-6251, doi: 10.1021/acsnano.5b01602.

MENG, W, CHEN, W, ZHAO, L, #HUANG, Y, #ZHU, M, HUANG, Y, FU, Y, GENG, F, YU, J, CHEN, X F and ZHI, C, "Porous Fe₃O₄/carbon composite electrode material prepared from metal-organic framework template and effect of temperature on its capacitance", *Nano Energy*, Vol 8, September 2014, pp 133-140, doi: 10.1016/j.nanoen.2014.06.007.

#ZHU, M, MENG, W, HUANG, Y, #HUANG, Y and ZHI, C, "Proton-Insertion-Enhanced Pseudocapacitance Based on the Assembly Structure of Tungsten Oxide", *ACS Applied Materials & Interfaces*, 6(21), 12 November 2014, pp 18901-18910, doi: 10.1021/am504756u.

#HUANG, Y, #ZHU, M, MENG, W, FU, Y, WANG, Z, HUANG, Y, #PEI, Z and ZHI, C, "Robust reduced graphene oxide paper fabricated with a household non-stick frying pan: a large-area freestanding flexible substrate for supercapacitors", *RSC Advances*, 5(43), 2015, pp 33981-33989, doi: 10.1039/c5ra02868j.

HUANG, Y, TAO, J, MENG, W, #ZHU, M, #HUANG, Y, FU, Y, GAO, Y and ZHI, C, "Super-high rate stretchable polypyrrole-based supercapacitors with excellent cycling stability", *Nano Energy*, Vol 11, January 2015, pp 518-525, doi: 10.1016/j.nanoen.2014.10.031.

- ZHU Xiaoyue** LAN, M, #ZHANG, J P, #CHUI, Y S, WANG, H, YANG, Q, #ZHU, X, WEI, H, LIU, W, GE, J, WANG, P, CHEN, X F, LEE, C S and ZHANG, W J, "A recyclable carbon nanoparticle-based fluorescent probe for highly selective and sensitive detection of mercapto biomolecules", *JOURNAL OF MATERIALS CHEMISTRY B*, 3(1), 2015, pp 127-134, doi: 10.1039/c4tb01354a.
- MA, L, MA, R, #WANG, Y, #ZHU, X, #ZHANG, J, CHAN, H C, CHEN, X F, ZHANG, W, CHIU, S K and ZHU, G, "Chalcoptatin, a dual-targeting and p53 activator-containing anticancer platinum(IV) prodrug with unique mode of action", *CHEMICAL COMMUNICATIONS*, 51(29), 27 January 2015, pp 6301-6304.
- LAN, M, #ZHANG, J, #ZHU, X, WANG, P, CHEN, X F, LEE, C S and ZHANG, W J, "Highly stable organic fluorescent nanorods for living cell imaging", *Nano Research*, Vol 8 (7), 2015, pp 2380-2389.
- #WANG, Y, #YANG, Y, #YAN, L, #KWOK, S Y, #LI, W, #WANG, Z, #ZHU, X, ZHU, G, ZHANG, W J, CHEN, X F and SHI, P, "Poking cells for efficient vector-free intracellular delivery", *Nature Communications*, Vol 5, 2014, pp 4466-1-4466-9, doi: 10.1038/ncomms5466.
- ZHUANG Jiaqing** #ZHUANG, J, #HAN, S, ZHOU, Y and VELLAISAMY, A L R, "Flash memory based on solution processed hafnium dioxide charge trapping layer", *JOURNAL OF MATERIALS CHEMISTRY C*, 2(21), 2014, pp 4233-4238.
- Conference papers*
FOO Yishu #FOO, Y and ZAPIEN, J A, "Application of Spectroscopic Ellipsometry Data Analysis with Finite-Difference Time-Domain Method on 1D Periodic Structures", *International Conference on Metallurgical Coatings & Thin Films 2015*, AVS Advanced Surface Engineering Division, USA, 20 April - 24 May 2015.
- #FOO, Y and ZAPIEN, J A, "Finite-difference time domain method for data analysis of spectroscopic ellipsometry", *Society of Vacuum Coaters Annual Technical Conference 2015*, Society of Vacuum Coaters, Santa Clara, USA, 25-30 April 2015.
- GAO Ang** #JIN, W, WU, G, FENG, H, #GAO, A, #WU, H, #PENG, X and CHU, P K H, "Improved Corrosion Resistance and Biocompatibility of Rare-Earth WE43 Magnesium Alloy by Neodymium Self-Ion Implantation", *E-MRS Meeting*, Lille, France, 11-15 May 2015.
- HUANG Jianan** ZHAO, Y, #HUANG, J, CHEN, X F and ZHANG, W J, "Ordered Ag/Si Nanowire Array: Quantitative Analysis of Single- and Dual- components by Surface-Enhanced Raman Spectroscopy", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.
- JIN Weihong** #JIN, W, WU, G, FENG, H, #GAO, A, #WU, H, #PENG, X and CHU, P K H, "Improved Corrosion Resistance and Biocompatibility of Rare-Earth WE43 Magnesium Alloy by Neodymium Self-Ion Implantation", *E-MRS Meeting*, Lille, France, 11-15 May 2015.
- #JIN, W, WANG, Q W, WU, G, TANG, G and CHU, P K H, "Rare-Earth-Incorporated Polymeric Vector for Enhanced Gene Delivery", *E-MRS Meeting*, Lille, France, 11-15 May 2015.

Section A: Publications of PhD Students

- KWOK So Ying** #ZHU, X, #KWOK, S Y, #YUEN, M F, #YAN, L, CHEN, W, #YANG, Y, YU, K N, ZHU, G, CHEN, X F and ZHANG, W J, "Diamond nanoneedle arrays for enhanced delivery of drug molecules to different cell lines", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.
- LI Penghui** YEUNG, K, ZHAO, Y, #LI, P, XU, Z and CHU, P K H, "New Porous and Nano-Structured Polyetheretherketone (PEEK) Surface for Bone Tissue Engineering", *28th Edinburgh International Trauma Symposium*, 20-22 August 2014.
- LU Shengbo** #LU, S and XU, Z K, "Hot-stage transmission electronic microscopy study of (Na, K)NbO₃ based lead-free piezoceramics", *International Workshop on Functional Materials 2014*, University of Macau, Macau, PRC, 5-7 December 2014.
- PENG Xiang** #JIN, W, WU, G, FENG, H, #GAO, A, #WU, H, #PENG, X and CHU, P K H, "Improved Corrosion Resistance and Biocompatibility of Rare-Earth WE43 Magnesium Alloy by Neodymium Self-Ion Implantation", *E-MRS Meeting*, Lille, France, 11-15 May 2015.
- WEI Pengjiang** LIU, F, #WEI, P, CHANG, Z, HU, G and LI, J T H, "Quasiconformal maps in transformation optics and their electrostatic analogs", *2015 IEEE International Conference on Computational Electromagnetics (ICCEM)*, Hong Kong, PRC, 2-5 February 2015, pp 38-40.
- WU Hao** #JIN, W, WU, G, FENG, H, #GAO, A, #WU, H, #PENG, X and CHU, P K H, "Improved Corrosion Resistance and Biocompatibility of Rare-Earth WE43 Magnesium Alloy by Neodymium Self-Ion Implantation", *E-MRS Meeting*, Lille, France, 11-15 May 2015.
- YAN Li** #ZHU, X, #KWOK, S Y, #YUEN, M F, #YAN, L, CHEN, W, #YANG, Y, YU, K N, ZHU, G, CHEN, X F and ZHANG, W J, "Diamond nanoneedle arrays for enhanced delivery of drug molecules to different cell lines", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.
- YANG Xia** LI, W, TANG, Y, KANG, W, #ZHANG, Z, #YANG, X, ZHU, Y and ZHANG, W J, "Core-Shell Si/C Nanospheres Embedded in Bubble Sheet-like Carbon Film with Enhanced Performance as Lithium Ion Battery Anodes", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.
- YANG Yang** #ZHU, X, #KWOK, S Y, #YUEN, M F, #YAN, L, CHEN, W, #YANG, Y, YU, K N, ZHU, G, CHEN, X F and ZHANG, W J, "Diamond nanoneedle arrays for enhanced delivery of drug molecules to different cell lines", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.
- YIP Sen Po** #CHEUNG, H Y, LIN, H, XIU, F, WANG, F, #YIP, S P, HO, J C Y and WONG, C Y, "Mechanistic Characteristics of Metal-Assisted Chemical Etching in GaAs", *The 1st BCH Students' Conference*, Hong Kong, PRC, 14 January 2015.
- YUEN Muk Fung** ZOU, R, #ZHANG, Z, #YUEN, M F, HU, J, LEE, C S and ZHANG, W J, "Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors", *Hong Kong Scholars Annual Symposium-2015*, Hong Kong, PRC, 28 March 2015.
- ZOU, R, #ZHANG, Z, #YUEN, M F, HU, J and ZHANG, W J, "Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

Section A: Publications of PhD Students

#ZHU, X, #KWOK, S Y, #YUEN, M F, #YAN, L, CHEN, W, #YANG, Y, YU, K N, ZHU, G, CHEN, X F and ZHANG, W J, "Diamond nanoneedle arrays for enhanced delivery of drug molecules to different cell lines", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

HE, B, #YUEN, M F and ZHANG, W J, "Electrical properties and electronic structure of Si-implanted hexagonal boron nitride films", *he 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

BANERJEE, A, #ZHANG, H, #YUEN, M F and ZHANG, W J, "High flexible bending deformation in single crystalline diamond nanoneedles for biomedical applications", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

BANERJEE, A, #ZHANG, H, #YUEN, M F, ZHANG, W J and LU, Y, "Highly flexible bending deformation in single crystalline diamond nanoneedles for biomedical applications", *International Conference on Molecular Electronic Materials and Devices*, Hong Kong, PRC, 5-8 January 2015.

#YUEN, M F, XU, F, HE, B and ZHANG, W J, "Preparation of a Nanostructured BDD Electrode and its Application for Degradation of the Simulation Wastewater of Phenol", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

ZHANG Zhenyu

LI, W, TANG, Y, KANG, W, #ZHANG, Z, #YANG, X, ZHU, Y and ZHANG, W J, "Core-Shell Si/C Nanospheres Embedded in Bubble Sheet-like Carbon Film with Enhanced Performance as Lithium Ion Battery Anodes", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

ZOU, R, #ZHANG, Z, #YUEN, M F, HU, J, LEE, C S and ZHANG, W J, "Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors", *Hong Kong Scholars Annual Symposium-2015*, Hong Kong, PRC, 28 March 2015.

ZOU, R, #ZHANG, Z, #YUEN, M F, HU, J and ZHANG, W J, "Dendritic Heterojunction Nanowire Arrays for High-Performance Supercapacitors", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

#ZHANG, Z and ZHANG, W J, "Stacked layers of cobalt ferrite (CoFe₂O₄) mesoporous platelets for high-performance lithium ion battery anode", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

ZHU Xiaoyue

#ZHU, X, #KWOK, S Y, #YUEN, M F, #YAN, L, CHEN, W, #YANG, Y, YU, K N, ZHU, G, CHEN, X F and ZHANG, W J, "Diamond nanoneedle arrays for enhanced delivery of drug molecules to different cell lines", *The 11th Cross-Strait Workshop on Nano Science and Technology (CSWNST 11)*, Hong Kong, PRC, 14-17 December 2014.

Patents, agreements, assignments and companies

CHAN Chiu Yee

LEE, C S, LEE, S T, FUNG, M K, TANG, Y and #CHAN, C Y, Composite of Porous Substrate and One-Dimensional Nanomaterial and Method for Preparing The Same, Surface-Modified Composite and Method for Preparing The Same, Patent No.: 9,029,290, United States Patent and Trademark Office, USA, 12 May 2015.

Section A: Publications of PhD Students

- LU Zhenzhen** LEE, C S, ZHANG, W J, #LU, Z and WANG, H , Scattering Screen System, Method of Manufacture and Application Thereof, Patent No.: 9,019,602, United States Patent and Trademark Office, USA, 28 April 2015.
- TSANG Chun Kwan** LI, Y Y, XU, Z and #TSANG, C K , METHOD OF MAKING FORAMINOUS MICROSTRUCTURES, Patent No.: US9,011,706, City Univeristy of Hong Hong, USA, 21 April 2015.
- All other outputs*
- CHUI Ying San** #CHUI, Y S , *Synthesis, Characterization and Application of Molybdenum Disulfide Nanomaterials*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 1 September 2014.
- DENG Bei** #DENG, B , *Ab Initio Studies of Vacancy Defects in Bulk and Nanostructured Semiconductors*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 14 August 2014.
- HAN Suting** #HAN, S , *Noble Metallic Nanomaterials for Innovative Nonvolatile Memory Devices*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 21 July 2014.
- JIN Weihong** #JIN, W , Young Scientist Award, European Materials Research Society (E-MRS), France, 13 May 2015.
- KWOK So Ying** #KWOK, S Y , *Application of Nanotechnology in Drug Delivery: Nanoneedles and Nanomedicine*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 19 August 2014.
- LI Penghui** #LI, P , *Fabrication of Polymeric Films and Coatings on Nickle-Titanium Shape Memory Alloy and Their Biomedical Applications*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 6 August 2014.
- LIU Fu** #LIU, F , *Metamaterials with Low Symmetries*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 11 November 2014.
- MO Hin Wai** #MO, H W , *Novel Applications of Charge-Transfer States in Organic Optoelectronic Devices*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 13 April 2015.
- MOHAMMED IBRAHIM Jamesh** #JAMESH, M I , *Plasma Surface Modification of Degradable Magnesium Alloy and Non Degradable Stainless Steel: Enhanced Corrosion Resistance, Antimicrobial Properties, Cytocompatibility and Covalent Immobilization of Protein Molecules*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 2 July 2014.
- QIAN Jincheng** #QIAN, J , *Tribo-Mechanical and Electrical Properties of Boron-Containing Coatings*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 27 April 2015.
- QIU Guangyu** #QIU, G , Winner of "Young Persons' Lecture Competition (Hong Kong Heat)", The Institute of Materials, Minerals and Mining (IOM3), United Kingdom, 29 July 2014.

Section A: Publications of PhD Students

- WU Qi** #WU, Q , *Excited State Molecular Dynamic Simulations of Low-dimensional Silicon Structures*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 14 August 2014.
- XIU Fei** #XIU, F , *Rational Design of Three-Dimensional Silicon Nanostructures for Cost-Effective Photovoltaics*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 7 July 2014.
- ZHANG Xuming** #ZHANG, X M , *One Dimension Nanostructures on Titanium Substrates: Construction, Adjustment and Its Multifunctionalization*, PhD Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 7 January 2015.

DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT

Scholarly books, monographs and chapters

- CHEN Jingming** TSE, W T P and #CHEN, J , "Effective guided wave technique for performing non-destructive inspection on steel wire ropes that hoist elevators", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 28, pp 309-320.
- TSE, W T P, #CHEN, J and #WAN, X , "Guided-waves Technique for Inspecting the Health of Wall-covered Building Risers", *41st Annual Review of Progress on Quantitative Non-destructive Evaluation, Selected Papers*, D. Chimenti and L. Bond (eds), AIP Publishing, ISBN: 978-0-7354-1292-7, USA, 31 March 2015, pp 676-685.
- CHEN Ke** #CHEN, K, #CHAN, A H S and #TSANG, N H S , "Older people's preferences for mobile phone features", *IAENG TRANSACTIONS ON ENGINEERING SCIENCES*, Ao, SI, Chan, AHS and Katagiri, H et al. (eds), CRC PRESS-TAYLOR & FRANCIS GROUP, 6000 BROKEN SOUND PARKWAY NW, STE 300, BOCA RATON, FL 33487-2742 USA, United Kingdom, 2014, pp 287-293.
- HU Jinfei** TSE, W T P and #HU, J , "A fusion approach with application to oil sand pump prognostics", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 4, pp 31-42.
- NG Wai Yi** #NG, A W Y and #CHAN, A H S , "Evaluation of recognition threshold for discolored safety signs in terms of white pixel concentration and CIELUV color difference", *IAENG TRANSACTIONS ON ENGINEERING SCIENCES*, Ao, SI, Chan, AHS and Katagiri, H et al. (eds), CRC PRESS-TAYLOR & FRANCIS GROUP, 6000 BROKEN SOUND PARKWAY NW, STE 300, BOCA RATON, FL 33487-2742 USA, United Kingdom, 2014, pp 295-300.
- SHEN Changqing** TSE, W T P and #SHEN, C , "Remaining useful life estimation of slurry pumps using the health status probability estimation provided by support vector machine", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 9, pp 87-98.

Section A: Publications of PhD Students

- TSANG Ngai Hung** #CHEN, K, CHAN, A H S and #TSANG, N H S , "Older people's preferences for mobile phone features", *IAENG TRANSACTIONS ON ENGINEERING SCIENCES*, Ao, SI, Chan, AHS and Katagiri, H et al. (eds), CRC PRESS-TAYLOR & FRANCIS GROUP, 6000 BROKEN SOUND PARKWAY NW, STE 300, BOCA RATON, FL 33487-2742 USA, United Kingdom, 2014, pp 287-293.
- WAN Xiang** TSE, W T P, #CHEN, J and #WAN, X , "Guided-waves Technique for Inspecting the Health of Wall-covered Building Risers", *41st Annual Review of Progress on Quantitative Non-destructive Evaluation, Selected Papers*, D. Chimenti and L. Bond (eds), AIP Publishing, ISBN: 978-0-7354-1292-7, USA, 31 March 2015, pp 676-685.
- WANG Dong** GUO, W, WANG, K S, #WANG, D and TSE, W T P , "Feature Signal Extraction Based on Ensemble Empirical Mode Decomposition for Multi-fault Bearings", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 113, pp 1337-1348.
- TSE, W T P and #WANG, D , "Performance Degradation Assessment of Slurry Pumps", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 15, pp 149-158.
- WANG Mingliang** TSE, W T P and #WANG, M , "The Design of a MRE-Based Nonlinear Broadband Energy Harvester", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 66, pp 755-764.
- ZHONG Jingjing** TSE, W T P, #ZHONG, J and FUNG, S , "Implementing Engineering Asset Management Standards (PAS-55) in information Management Evaluation: Case Study in Hong Kong", *Engineering Asset Management - Systems, Professional Practices and Certification, Lecture Notes in Mechanical Engineering*, Tse P., Mathew J. and Wong K. et al. (eds), Springer International Publishing, ISBN: 978-3-319-09506-6, Switzerland, 30 November 2014, Chapter 39, pp 451-462.
- Journal publications**
- CHENG Yuan** DENG, P, GOH, T N, #CHENG, Y and #XIE, M , "Circle Chart for the Monitoring of Maxima in Periodic Processes", *Quality and Reliability Engineering International*, 2015, doi: 10.1002/qre.1680.
- YANG, J, YU, H, #CHENG, Y and #XIE, M , "Design of exponential control charts based on average time to signal using a sequential sampling scheme", *International Journal of Production Research*, 53(7), 2015, pp 2131-2145.
- YANG, J, YU, H, #CHENG, Y and #XIE, M , "Design of Gamma Charts Based on Average Time to Signal", *Quality and Reliability Engineering International*, 2015, doi: 10.1002/qre.1813.
- HAI Yizhen** TSUI, K L, CHEN, N, #ZHOU, Q, #HAI, Y and WANG, W , "Prognostics and Health Management: A Review on Data Driven Approaches", *Mathematical Problems in Engineering*, Vol 2015, January 2015, pp 1-17, (Article ID 793161).

Section A: Publications of PhD Students

- LI Chenglong** #LI, C, SU, Q and XIE, M, "Economic modelling for statistical process control subject to a general quality deterioration", *International Journal of Production Research*, 22 June 2015, doi: 10.1080/00207543.2015.1056324.
- #LI, C, MUKHERJEE, A, SU, Q and XIE, M, "Robust algorithms for economic designing of a nonparametric control chart for abrupt shift in location", *Journal of Statistical Computation and Simulation*, 4 February 2015, doi: 10.1080/00949655.2015.1007985.
- LI Manhou** #LI, M, LU, S, GUO, J, WU, X and TSUI, K L, "Effects of pool dimension on flame spread of aviation kerosene coating on a metal substrate", *International Journal of Heat and Mass Transfer*, Vol 84, May 2015, pp 54-60, doi: 10.1016/j.ijheatmasstransfer.2015.01.005.
- #LI, M, LU, S, GUO, J, #CHEN, R Y and TSUI, K L, "Flame spread over n-butanol at sub-flash temperature in normal and elevated altitude environments", *Journal of Thermal Analysis and Calorimetry*, 119(1), January 2015, pp 401-409, doi: 10.1007/s10973-014-4190-8.
- #LI, M, LU, S, GUO, J, #CHEN, R Y C R and TSUI, K L, "Initial Fuel Temperature Effects on Flame Spread over Aviation Kerosene in Low- and High-Altitude Environments", *Fire Technology*, 51(3), May 2015, pp 707-721, doi: 10.1007/s10694-014-0395-4.
- LI Xin** ZHOU, B H, #LI, X and FUNG, R Y K, "Dynamic scheduling of photolithography process based on Kohonen neural network", *Journal of Intelligent Manufacturing*, 26(1), February 2015, pp 73-85.
- LIU Bin** #LIU, B, XU, Z, XIE, M and KUO, W, "A value-based preventive maintenance policy for multi-component system with continuously degrading components", *Reliability Engineering & System Safety*, Vol 132, 28 July 2014, pp 83-89.
- #LIU, B, WU, J and XIE, M, "Cost analysis for multi-component system with failure interaction under renewing free-replacement warranty", *European Journal of Operational Research*, Vol 243, 27 January 2015, pp 874-882.
- LIU Zhen** #LIU, Z and LI, H X, "A Spatiotemporal Estimation Method for Temperature Distribution in Lithium-Ion Batteries", *IEEE Transactions on Industrial Informatics*, 10(4), November 2014, pp 2300-2307, doi: 10.1109/TII.2014.2341955.
- #LIU, Z and LI, H X, "Extreme learning machine based spatiotemporal modeling of lithium-ion battery thermal dynamics", *Journal of Power Sources*, Vol 277, 1 March 2015, pp 228-238, doi: 10.1016/j.jpowsour.2014.12.013.
- LONG Huan** #LONG, H and ZHANG, Z, "A Two-Echelon Wind Farm Layout Planning Model", *IEEE Transactions on Sustainable Energy*, 6(3), June 2015, pp 863-871, doi: 10.1109/TSTE.2015.2415037.
- #LONG, H, #WANG, L, ZHANG, Z, SONG, Z and XU, J, "Data-Driven Wind Turbine Power Generation Performance Monitoring", *IEEE Transactions on Industrial Electronics*, 19 June 2015, pp 1-9.
- MO Huadong** #MO, H, XIE, M and LEVITIN, G, "Optimal resource distribution between protection and redundancy considering the time and uncertainties of attacks", *European Journal of Operational Research*, 243(1), 16 May 2015, pp 200-210, doi: 10.1016/j.ejor.2014.12.006.

Section A: Publications of PhD Students

YU, H, YANG, J and #MO, H , "Reliability analysis of repairable multi-state system with common bus performance sharing", *Reliability Engineering & System Safety*, Vol 132, December 2014, pp 90-96, doi: 10.1016/j.res.2014.07.017.

NG Chun Yu

#NG, C Y and CHUAH, K B B , "Evaluation of Design Alternatives' Environmental Impact by Integrating Fuzzy Analytic Hierarchy Process and Evidential Reasoning Approach", *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering*, 1(1), 27 February 2015, p RISK-14-1051, doi: 10.1115/1.4029404.

NG Sum Yee, Selina

#NG, S Y S, CABRERA, J, TSE, W T P, CHEN, H A and TSUI, K L , "Distance-based analysis of dynamical systems reconstructed from vibrations for bearing diagnostics", *Nonlinear Dynamics*, 80(1-2), April 2015, pp 147-165, doi: 10.1007/s11071-014-1857-4.

NG Wai Yi

#NG, A W Y and CHAN, A H S , "Effects of user factors and sign referent characteristics in participatory construction safety sign redesign", *Safety Science*, Vol 74, 2015, pp 44-54.

#NG, A W Y and CHAN, A H S , "SUBJECTIVE MEASURES IN SIT-TO-STAND TASK IN POST-STROKE HEMIPARESIS: COMMENT ON BRIERE, NADEAU, LAUZIERE, AND GRAVEL (2013)", *Perceptual and Motor Skills*, 119(2), October 2014, pp 468-473, doi: 10.2466/26.PMS.119c21z6.

TSANG Ngai Hung

HOFFMANN, E R, CHAN, A H S and #TSANG, N H S , "Bimanual and unimanual convergent goal-directed movement times", *Journal of Motor Behavior*, 47(3), 2015, pp 232-245.

#TSANG, N H S, HO, J K L and CHAN, A H S , "Interface design and display-control compatibility", *Measurement & Control*, 48(3), 2015, pp 81-86.

#TSANG, N H S and CHAN, A H S , "Tracking and discrete dual task performance with different spatial stimulus-response mappings", *Ergonomics*, 58(3), 2015, pp 368-382.

WAN Xiang

ZHANG, Q, TSE, W T P, #WAN, X and XU, G H , "Remaining Useful Life Estimation for Mechanical Systems Based on Similarity of Phase Space Trajectory", *Expert Systems with Applications*, Vol 42, 4 November 2014, pp 2353-2360.

WANG Dong

#WANG, D, SUN, S and TSE, W T P , "A General Sequential Monte Carlo Method based Optimal Wavelet Filter: a Bayesian Approach for Extracting Bearing Fault Features", *Mechanical Systems and Signal Processing*, Vol 52-53, 20 August 2014, pp 293-308.

#WANG, D and TSE, W T P , "Prognostics of slurry pumps based on a moving-average wear degradation index and a general sequential Monte Carlo method", *Mechanical Systems and Signal Processing*, Vol 56-57, 14 November 2014, pp 213-229.

WANG Jin

#WANG, J and FUNG, R Y K , "Adaptive dynamic programming algorithms for sequential appointment scheduling with patient preferences", *Artificial Intelligence in Medicine*, 63(1), 1 January 2015, pp 33-40.

WANG Long

#LONG, H, #WANG, L, ZHANG, Z, SONG, Z and XU, J , "Data-Driven Wind Turbine Power Generation Performance Monitoring", *IEEE Transactions on Industrial Electronics*, 19 June 2015, pp 1-9.

Section A: Publications of PhD Students

WANG Wei #WANG, W W, XIONG, J and XIE, M , "Cold-standby redundancy allocation problem with degrading components", *International Journal of General Systems*, 12 May 2015, pp 1-13, doi: <http://dx.doi.org/10.1080/03081079.2015.1028541>.

WANG Xiaojia #WANG, X and FUNG, R Y K , "An option-based hedging mechanism for managing the risk of overbooking in parallel airline alliances", *Transportation Research Part E-Logistics and Transportation Review*, Vol 70, October 2014, pp 146-162.

WU Yong #WU, Y, FENG, G Z, WANG, N M and LIANG, H G , "Game of information security investment: Impact of attack types and network vulnerability", *Expert Systems with Applications*, 42(15-16), 2015, pp 6132-6146, doi: <http://dx.doi.org/10.1016/j.eswa.2015.03.033>.

XU Mai #XU, M, WONG, T C and CHIN, K S , "A medical procedure-based patient grouping method for an emergency department", *Applied Soft Computing*, 14(Part A), 2014, pp 31-37.

WONG, T C, #XU, M and CHIN, K S , "A two-stage heuristic approach for nurse scheduling problem: a case study in an emergency department", *Computers & Operations Research*, Vol 51, November 2014, pp 99-110.

YANG Wen #YANG, W and FUNG, R Y K , "An available-to-promise decision support system for a multi-site make-to-order production system", *International Journal of Production Research*, 52(14), 18 July 2014, pp 4253-4266, doi: 10.1080/00207543.2013.877612.

ZHANG Mimi #ZHANG, M M, YE, Z and XIE, M , "A condition-based maintenance strategy for heterogeneous populations", *Computers & Industrial Engineering*, Vol 77, November 2014, pp 103-114, doi: 10.1016/j.cie.2014.09.001.

#ZHANG, M M, YE, Z and XIE, M , "A Stochastic EM Algorithm for Progressively Censored Data Analysis", *Quality and Reliability Engineering International*, 30(5), July 2014, pp 711-722.

#ZHANG, M, HU, Q, XIE, M and YU, D , "Lower confidence limit for reliability based on grouped data using a quantile-filling algorithm", *Computational Statistics & Data Analysis*, Vol 75, July 2014, pp 96-111, doi: 10.1016/j.csda.2014.01.010.

ZHANG Tingru #ZHANG, T and CHAN, A H S , "How appraisals shape driver emotions: A study from discrete and dimensional emotion perspectives", *Transportation Research Part F-Traffic Psychology and Behaviour*, Vol 27, November 2014, pp 112-123, doi: 10.1016/j.trf.2014.09.012.

#ZHANG, T and CHAN, A H S , "Sleepiness and the risk of road accidents for professional drivers: A systematic review and meta-analysis of retrospective studies", *Safety Science*, Vol 70, December 2014, pp 180-188.

Conference papers

CHENG Yuan #CHENG, Y, MUKHERJEE, A and XIE, M , "A Copula Based Nonparametric Control Chart for Location Shifts", *CIE44 & IMSS'14*, Turkey, 14-16 October 2014.

#CHENG, Y and MUKHERJEE, A , "One Hotelling T2 chart based on transformed data for simultaneous monitoring the frequency and magnitude of an event", *IEEM 2014*, Thailand, 9-12 December 2014, pp 764-768.

Section A: Publications of PhD Students

- GENG Shuang** #GENG, S and CHUAH, K B B , "Question classification in enterprise knowledge discovery system", *International Research Conference on Systems Engineering and Management Science 2015*, Wu Han University of China, Wu Han, PRC, 27-28 March 2015.
- LAI Boya** SHEN, Y and #LAI, B , "Bias-correction for lognormal parameter estimation", *The Third International Conference on the Interface between Statistics and Engineering 2014*, Hong Kong, PRC, 15-17 December 2014.
- LI Chenglong** #LI, C, MUKHERJEE, A, SU, Q and XIE, M , "Economic design of a nonparametric control chart for shift in location", *Proceedings of the 5th International Asia Conference on Industrial Engineering and Management Innovation (IEMI2014)*, PRC, 21-22 July 2014.
- RESTYANDITO -** #RESTYANDITO, - and CHAN, A H S , "A Review on Voice User Interface for Illiterate People", *3rd South East Asian Network of Ergonomics Societies International Conference 2014, Singapore (ISBN: 978-981-07-7758-6)*, South East Asian Network of Ergonomics Societies, Singapore, 1-4 December 2014, pp 1-6.
- WANG Dong** TSE, W T P and #WANG, D , "A Bayesian framework of computing and updating wavelet parameter distributions for identifying early bearing faults", *ASME 2014 International Design and Engineering Technical Conferences & Computers and Information in Engineering Conference*, USA, 17-20 August 2014.
- TSE, W T P and #WANG, D , "Extraction of Principal Components from Multiple Statistical Features for Slurry Pump Performance Degradation Assessment", *the 9th World Congress on Engineering Asset Management*, South Africa, 27 October - 1 November 2014.
- WANG Xiaojia** #WANG, X and FUNG, R Y K , "The Best Strategy in Using an Option-based Mechanism to Reduce Overbooking Risk for Allied Airlines", *Proceedings of the 2014 INFORMS Workshop on Data Mining and Analytics*, San Francisco, USA, 8 November 2014.
- XIAO Tengfei** #XIAO, T and LI, H X , "Spectrum-based Model Reduction of Rapid Thermal Processing System", *Automatic Control Conference (CACs), 2014 CACS International*, Taiwan, 26-28 November 2014, pp 249-253.
- XU Qinneng** ZHANG, C Y, WANG, K, LIM, E P, #XU, Q, SUN, J L and YU, H K , " Are Features Equally Representative? A Feature-Centric Recommendation ", *AAAI: American Association for AI National Conference*, USA, 25-30 January 2015.
- ZHONG Jingjing** #ZHONG, J and TSE, W T P , "A Systemic Framework for Measuring the Performance of Asset Management Activities", *the 9th World Congress on Engineering Asset Management*, South Africa, 27 October - 1 November 2014.
- All other outputs*
- CAO Junjie** #CAO, J , *Development of Steady-State Analysis and Cluster Testing Methods for Quality Control and Surveillance Problems*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 11 February 2015.
- CHEN Yin** #CHEN, Y , *Smooth Path-Following Approaches to Determining Refinements of Nash Equilibrium in Strategic Form*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 29 August 2014.

Section A: Publications of PhD Students

- FAN Bi** #FAN, B , *Probabilistic Inference Based Least Squares Support Vector Machine for Modeling under Noisy Environment*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 28 October 2014.
- LIU Zhen** #LIU, Z , *Spatiotemporal Modeling and Estimation of Temperature Distribution in Lithium Ion Batteries*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 11 December 2014.
- NG Chun Yu** #NG, C Y , *A Utilitarian Approach for Environmental Impact Evaluation in New Product Development*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 8 April 2015.
- NG Sum Yee, Selina** #NG, S Y S , *Some Data Mining Methods for System Health Diagnostics and Prognostics*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 13 January 2015.
- TSANG Ngai Hung** #TSANG, N H S , *Multi-task Performance in Processing Four-choice Spatial Stimulus-Response (S-R) Mappings: Implications for Multimodal Human-machine Interface Design*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 24 July 2014.
- #TSANG, N H S , Outstanding Project Award (Postgraduate Level), Hong Kong Ergonomics Society, Hong Kong, PRC, 23 May 2015.
- WANG Dong** #WANG, D , *The Current and Foremost Signal Processing Methods for Diagnosis and Prognosis of Critical Components*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 1 April 2015.
- WANG Jin** #WANG, J , *Dynamic Appointment Scheduling in Outpatient Department with Patient Preferences*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 17 October 2014.
- WU Zhengtian** #WU, Z , *Integer Programming Approach to Computing Nash Equilibrium in Normal Form and Distributed Implementation of Fixed-Point Method*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 2 July 2014.
- ZHANG Mimi** #ZHANG, M M , *Incomplete-Data Analysis and Optimal Planning of Inspection, Maintenance and Replacement*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 15 January 2015.
- ZHANG Tingru** #ZHANG, T , Student Research Scholarship, Hong Kong Occupational Safety and Health Council, Hong Kong, PRC, 5 March 2015.
- ZHAO Ping** #ZHAO, P , *A Mixed-Integer Programming Approach to the Determination of Proper Equilibria*, PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 25 July 2014.

School of Creative Media

SCHOOL OF CREATIVE MEDIA

Scholarly books, monographs and chapters

- CARBONI Alessandro** #[CARBONI, A](#) , "Mappings for Hidden Geographies", *Fade To Black - exhibition catalogue*, City U press (ed), City U press, Hong Kong, PRC, 13 June 2015, pp 10-12.
- PEARLMAN Ellen Lois** #[PEARLMAN, E L](#) , "Surveillance Siddhi", *Signal Culture Cookbook*, McGovern, Tammy (ed), Signal Culture.org, ISBN: 978-0-9914917-0-4, USA, 22 September 2014, Chapter n/a, pp 101-103.
- POUJOL Patrice** #[POUJOL, P](#) , "Jackie Chan", *Berkshire Dictionary of Chinese Biography, volume 4, Berkshire Dictionary of Chinese Biography, Vol 4*, Kerry Brown (ed), Berkshire Publishing Group and Oxford University Press, ISBN: 9781614729006, London, United Kingdom, June 2015.

Journal publications

- CARBONI Alessandro** #[CARBONI, A](#) , "Em:toolkit - Cartography as embodied as datification", *Datafied Research*, 4(1), 2015, p 27-29.
- CHEN Bin** [LAM, M L](#), #[CHEN, B](#) and [CHEN, T H](#) , "Optimization of Combinatory Nicking Endonucleases for Accurate Identification of Nucleic Acids in Low Abundance", *JALA- Journal of Laboratory Automation*, 20(4), 2 March 2015, pp 411-1-411-7, doi: 10.1177/2211068215573190.
- LI Wing Ho, Andy** SU, Q, #[LI, W H A](#), WANG, J and [FU, H](#) , "EZ-Sketching: three-level optimization for error-tolerant image tracing", *ACM Transactions on Graphics*, 32(4), August 2014, pp 54:1-54:9, doi: <http://dx.doi.org/10.1145/2601097.2601202>.
- PEARLMAN Ellen Lois** #[PEARLMAN, E L](#) , "I, Cyborg", *Paj-A Journal of Performance and Art*, 37(2), Spring 2015, pp 84-90.
- ZENG Hong** #[ZENG, H](#) , "The Analysis of Polish Cinema of Moral Concern (在政治与艺术之间——波兰“道德焦虑电影”探析)", *Contemporary Cinema*, Issue 12, 1 December 2014, pp 111-115.

Conference papers

- CHEN Bin** [LAM, M L](#), #[CHEN, B](#), [LAM, K Y](#) and #[HUANG, Y G](#) , "3D Fog Display using Parallel Linear Motion Platforms", *2014 International Conference on Virtual Systems & Multimedia (VSMM)*, Hong Kong, PRC, 9-12 December 2014, pp 234-237.
- [LAM, M L](#), #[CHEN, B](#) and #[HUANG, Y G](#) , "A Novel Volumetric Display using Fog Emitter Matrix", *2015 IEEE International Conference on Robotics and Automation (ICRA)*, Seattle, USA, 26-30 May 2015, pp 4452-4457.
- [LAM, M L](#), #[CHEN, B](#) and [CHEN, T H](#) , "Optimized Topographical Labeling for Identification of Unknown Nucleic Acids", *Proceedings of the 10th IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS 2015)*, PRC, 7-11 April 2015.
- PEARLMAN Ellen Lois** #[PEARLMAN, E L](#) , "Capture All Your Thoughts", *Datafied Research*, Transmediale, Berlin, Aarhus University, Denmark, Hong Kong City U, Hong Kong, Hong Kong, PRC, 17-22 October 2014.

Section A: Publications of PhD Students

#PEARLMAN, E L , "Cognitive Terrains", *ISEA 2014 Dubai*, ISEA, Dubai, United Arab Emirates, 30 October - 8 November 2014.

#PEARLMAN, E L , "Track Me, Track Me Not", *Datafied Research: Capture People*, Transmediale, Berlin, Aarhus University, Denmark, Berlin, Germany, 18 January - 2 February 2015.

PHAN Quoc Huy

#PHAN, Q H, FU, H and CHAN, A B , "Look closely learning exemplar patches for recognizing textile material from product images", *Asian Conf. Computer Vision*, Singapore, November 2014.

TONG Shan

#TONG, S , "Participatory Video in China: A Case Study of Folk Memory Project (参与式影像在中国：以“民间记忆计划”为例)", *The First Global Creative Industries Conference*, School of Modern Languages and Cultures, The University of Hong Kong, Hong Kong, PRC, 18-19 April 2015.

Creative and literary works, consulting reports and case studies

BARES Josef

#BARES, J , Artist, "Consumption, Hong Kong (消費，香港)", A conceptual exploration and data visualization project covering 12 months of personal consumer decision data, correlated with news items about corporations where goods have been purchased or the Hong Kong economy as such., Exhibition - SIG Playful Media Annual Showcase, SCM SIG, Hong Kong, PRC, 22 June - 2 July 2015.

#BARES, J , Artist, "Crossing Yangpu Bridge (Movement Series)", Showcase (2000-15) of the pedagogic and faculty research directions of SCM, including my work "Crossing Yangpu Bridge" (Movement Series, 2012 / 1m) - an artwork addressing the topic of urban space and how the perception of this space is constructed.

, Hong Kong Crossings Screening, LOOP, Spain, 4-6 June 2015.

#BARES, J , Artist, "Movement Series (運動系列)", Exhibited photographic prints from the "Movement Series" investigating the visual experience of movement in urban space. "Spirit of Cities" is a showcase of cityscape photography., Spirit of Cities Exhibition - Danei Art Festival, Taiwan Art Gallery Association, Taiwan, 13 November - 13 December 2014.

#BARES, J , Artist, "Movement Series: Approach (運動系列：趨近)", 2-channel video-installation investigating movement in and between cities
, Solo Exhibition, Cross Gallery, Taipei Artist Village, Taiwan, 16 August - 16 September 2014.

#BARES, J , Artist, "Taipei Diary: Surfaces, Consumption and Carrefour. (Tchaj-pejský deník: Povrchy, spotřeba a Carrefour.)", An exhibition of photographic prints and installation works. The selection of photographic motives has been made according to personal consumption during a period of three months in Taipei - the decision what to photograph has been directly derived from the previous decision what to buy.
, Solo Exhibition, Galerie Ferdinanda Baumanna, Czech Republic, 8 January - 8 February 2015.

CARBONI Alessandro

#CARBONI, A , artist in residence, "Always Becoming#research platform – Hong Kong – in Project Selected for FUSE Artist Residency at VideoTage, Hong Kong", artist in residence - Project Selected for FUSE Artist Residency at VideoTage, Hong Kong, FUSE Artist Residency, VideoTage, Hong Kong, PRC, 4 May 2015.

Section A: Publications of PhD Students

#CARBONI, A , "Always Becoming#research platform – Malmo", visiting PhD - researcher in the frame of LivingArchive Project, Malmo. MedeaStudioLab, University of Malmo., Living Archive Project, Malmo University, Sweden, 5 May 2015.

#CARBONI, A , performer, presenter, "Being here, in what no longer be", Body mapping performance and paper presentation - inside the festival Soil to Structure, two day about soil and urban memories/Living Archive, Malmo

, Soil to structure Festival, Malmo University, Sweden, 6 June 2015.

#CARBONI, A , "Emotional Cartography#", Lab Series in Hong Kong

, Empaty city, Oil Street Cultural Centre, Hong Kong, PRC, 20 April 2015.

#CARBONI, A , "Em:toolkit - Cartography as embodied datification", performance and talk for the panel Capture Things, Trasmmediale Festival, Trasmmediale festival/ Datafied research, Germany, 29 January 2015.

#CARBONI, A , "em:toolkit – Practice and transmission mode", workshop around tools for urban mapping and performance practices, in the frame of Always Becoming#Research Platform/Malmo. , PhD seminars, Living Archive Project/K3-Medea, University of Malmo., Sweden, 8 June 2015.

#CARBONI, A , "em:toolkit – testing and learning tools for urban mapping and performance practices", Workshop/Seminar, meetings and sharing events, AE_adaptive environments research group/IT University of Copenhagen, Denmark, 17 June 2015.

#CARBONI, A , "em:toolkit – Tools for urban mapping and performance practices", urban mapping, research and practice with 6 dancers from hong kong in the frame of my PhD, Hong Kong Case study#2, CityU/School of Creative Media, Hong Kong., Hong Kong, PRC, 13 March 2015.

#CARBONI, A , visiting artist and expedition assistant, "Extreme Environment: Vietnam Expedition/Tu Lan Caves.", Field-recording and body mapping project. In the frame of MediaArt&Environment, School of Creative Media, City University, Hong Kong.

, MediaArt&Environment, School of Creative Media, City University, Hong Kong., Hong Kong, PRC, 22 February 2015.

#CARBONI, A , "Fade to Black – as part of Extreme Environment, The Vietnam Caves", Exhibition of the body mapping project in Vietnam. Presented by the School of Creative Media, City University, Hong Kong., Exhibition, School of Creative Media, Hong Kong, PRC, 13 June 2015.

#CARBONI, A , "My Body is Map", Presentation - performance, Media Colloquium, School of Creative Media, Hong Kong., Hong Kong, PRC, 16 March 2015.

Section A: Publications of PhD Students

#CARBONI, A , "Remapping Extreme Land",
Part of the exhibition "Extreme Land", Project developed during a artist in residence
program organized by Ramdom in 2014 in the frame of the GAP project.

, Extreme Land project, Ramdom, in the frame of the GAP project., Italy, 6 June 2015.

SAMSON Audrey

#SAMSON, A , "ne.me.quittes.pas", 9th ADA Auckland Symposium | SPACE :
NETWORK : MEMORY, The ADA Digital Arts Network, New Zealand, 12-15 September
2014.

All other outputs

BARES Josef

#BARES, J , "Consumption, Hong Kong, Volume 1 (消費, 香港, 第1卷)",
'Consumption: Hong Kong' is a research-based artist book that traces the relationship
between private sphere of individual decision making and the public sphere of aggregated
socioeconomic effects which we get to know from the news in the specific circumstances of
Hong Kong. This is done through relating daily consumer decisions with news items through
a set of keywords (company, company holding or Hong Kong economy)., Josef Bares, Hong
Kong, PRC, 22 June 2015, 826 p, pp 1-826, (Self-published in an edition of 35 copies.).

#BARES, J , "Consumption, Taiwan (消費, 台灣版)", A photographic book documenting
the architecture of Taiwan in relation to the artist's personal consumer decisions: the
decision what to photograph has been derived from the prior decision what to buy.
, Josef Bares, Taiwan, 26 August 2014, 120 p, pp 1-120, (Self-published in a limited edition
of 20 copies.).

CHEN Bin

LAM, M.L, #CHEN, B and CHEN, T.H , Best Conference Poster Award, The 10th Annual
IEEE International Conference on Nano/ Micro Engineered and Molecular Systems (IEEE-
NEMS 2015), 9 April 2015.

LI Wing Ho, Andy

#LI, W.H.A , *Accessibility, Extensibility, and Accuracy in Mobile Device Interaction*, PhD
Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 18
May 2015.

**PEARLMAN Ellen
Lois**

#PEARLMAN, E.L , "Architecting The Future of Technology 2015 - Future of YOUR
Brain as a Computing Device",
Future of YOUR Brain as a Computing Device

Ellen Pearlman, Director Volumetric Society

The human brain is the final frontier and is being explored and accessed in startling ways.
Science fiction becomes reality as this presentation looks at new horizons in brain computer
interfaces through the work of artists, performance, science and the military - including the
world's first skull transmitted painting.

Ellen Pearlman is a PhD researcher at the School of Creative Media at Hong Kong City
University, and a Visiting Scholar at Parsons/New School. She has collaborated on new
media projects with the Metropolitan Museum of Art and the Hermitage Museum and
published her findings in Leonardo, PAJ, ISEA, and Transmediale. Her focus is on
consciousness, surveillance and the posthuman.

, USA, 25 March 2015.

#PEARLMAN, E L , "Director and Curator, Volumetric Society of New York",

-The Beauty Of Python Scripting In Blender 3D - A One Day Workshop

-Hardware Hack Lab - Special Guest Jay Vidyarthi, Design Director for Muse

-Hardware Hack Lab – Special Guest co-author of Open FrameWorks, Kyle McDonald,

-Morgan Gendel – Star Trek writer – This is Your Brain on TV April 2015

-Tribeca Film Festival/Tribeca Talks – IMAGINATION April 2015

-Hyphen Hub presents Paul Hayes at Madison Square Park April 2015

-Hardware Hack Lab – Special Guest Benton C. Bainbridge April 2015

-Architecting the Future of Technology with New York Institute of Technology March 2015

-Occupy.here – Darknets – March 2015

-Special Hardware Hack – Open BCI – January 2015

-Hardware Hack Lab – Special Guest Projection Mapper Chika

-What Infrastructure Is Needed For Positively Disruptive Technology? November 2014

-Learn Secure Communications – November 2014

-Looking Glass Volumetric Display and Print Company – October 2014

-Hardware Hacks – September 2014 - ongoing

-Art-A-Hack Final Journey Presentations at Livestream Public August 2014

-Cyborg Foundation, Robotic Designs and Kinect 2.0 Body Labs August 2014

-MAX/MSP Wizardry For Digital Alchemists August 2014

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, *Volumetric Society of New York*, USA, 14 August 2014 - 21 June 2015.

#PEARLMAN, E L , "Shifting Tensions In Vietnamese Art - A Brief History",

A look at Vietnam’s art historical context explains the dynamics of its contemporary art.

Vietnam’s blossoming contemporary art scene is held in check through a complex set of bureaucratic hurdles coupled with hit-and-miss government censorship and lack of critical infrastructure funding, at a time when it should be enriching, not sabotaging this shining asset., *Art Radar*, Art Radar, 30 January 2015.

#PEARLMAN, E L , (Book / Software Review) "The Emergence of Video Processing Tools, Vols.1 and 2 by Kathy High, Sherry Miller Hocking and Mona Jimenez, Editors Intellect, Bristol, UK, 2014 736 pp., illus., 44 col, 170 b/w. Paper, Â£60, ISBN: 978-1-184150-663-0.", **The Emergence of Video Processing Tools, Vols.1 and 2**

by Kathy High, Sherry Miller Hocking and Mona Jimenez, Editors
Intellect, Bristol, UK, 2014
736 pp., illus., 44 col, 170 b/w. Paper, Â£60,
ISBN: 978-1-184150-663-0.

, *Leonardo*, Issue Summer 2015, Leonardo Electronic Almanac, USA, 1 June 2015.

#PEARLMAN, E L , Winner International Art Critics Association Award for Best Blog - Hyperallergic, Winner International Art Critics Association Award for Best Blog - Hyperallergic, International Association of Art Critics, USA, 15 May 2015, (<http://hyperallergic.com/author/ellenpearlman/>).

School of Energy and Environment

SCHOOL OF ENERGY AND ENVIRONMENT

Scholarly books, monographs and chapters

KWAN Tsz Him

#KWAN, T H, LIN, S K C and CHAN, K M , "Application of Food Waste Valorization Technology in Hong Kong", *Renewable Resources for Biorefineries*, Carol Lin and Rafael Luque (eds), Royal Society of Chemistry, USA, 4 August 2014, Chapter 5, pp 93-116.

LAM, W C, #KWAN, T H, BUDARIN, V L, MUBOFU, E B, FAN, J and LIN, S K C , "Pretreatment and Thermochemical and Biological Processing of Biomass", *Introduction to Chemicals from Biomass*, Clark, James and Deswarte, Fabien (eds), John Wiley & Sons, United Kingdom, 1 January 2015, Chapter 3, pp 53-83.

LI Li

LEUNG, K H M, WANG, B, #LI, L and #SHE, Y , "Photocatalytic fuel cells", *Micro & Nano-Engineering of Fuel Cells, Sustainable Energy Developments*, 1st edition, Dennis Y.C. Leung & Jin Xuan (ed), CRC Press Taylor & Francis Group, ISBN: 9780415644396, 24 April 2015, Chapter 11, pp 257-273.

SHE Yiyi

LEUNG, K H M, WANG, B, #LI, L and #SHE, Y , "Photocatalytic fuel cells", *Micro & Nano-Engineering of Fuel Cells, Sustainable Energy Developments*, 1st edition, Dennis Y.C. Leung & Jin Xuan (ed), CRC Press Taylor & Francis Group, ISBN: 9780415644396, 24 April 2015, Chapter 11, pp 257-273.

Journal publications

BEH Gein Khai

TEOH, W Y, DORONKIN, D E, #BEH, G K, #DREYER, J A H and GRUNWALDT, J , "Methanation of carbon monoxide over promoted flame-synthesized cobalt clusters stabilized in zirconia matrix", *Journal of Catalysis*, Vol 326, June 2015, pp 182-193, doi: 10.1016/j.jcat.2015.03.014.

CHAN Ka Lok

#CHAN, K L, NING, Z, WESTERDAHL, D, WONG, K C, SUN, Y W, HARTL, A and WENIG, M O , "Dispersive infrared spectroscopy measurements of atmospheric CO2 using a Fabry-Pérot interferometer sensor", *Science of the Total Environment*, Vol 472, 2014, pp 27-35, doi: <http://dx.doi.org/10.1016/j.scitotenv.2013.10.105>.

Section A: Publications of PhD Students

#RAKOWSKA, A B, #WONG, K C J, TOWNSEND, T, #CHAN, K L, WESTERDAHL, D, NG, S, MOCNIK, G, DRINOVEC, L and NING, Z, "Impact of traffic volume and composition on the air quality and pedestrian exposure in urban street canyon", *Atmospheric Environment*, Vol 98, 2014, pp 260-270.

GALI, N K, YANG, F, #JIANG, Y, #CHAN, K L, SUN, L, HO, K F and NING, Z, "Spatial and seasonal heterogeneity of atmospheric particles induced reactive oxygen species in urban areas and the role of water-soluble metals", *Environmental Pollution*, Vol 198, March 2015, pp 86-96.

CHAN Ting Fai

#CHAN, T F K and CHAN, C L J, "Impacts of initial vortex size and planetary vorticity on tropical cyclone size", *Quarterly Journal of the Royal Meteorological Society*, 140(684), 21 October 2014, pp 2235-2248, doi: 10.1002/qj.2292, (Online published).

#CHAN, T F K and CHAN, C L J, "Impacts of vortex intensity and outer winds on tropical cyclone size", *Quarterly Journal of the Royal Meteorological Society*, 141(687), January 2015, pp 525-537, doi: 10.1002/qj.2374.

CHEN Jinfan

#CHEN, J and SIT, P, " *Ab initio* study of the structural properties of acetonitrile–water mixtures", *Chemical Physics*, Vol 457, 2015, pp 87-97, doi: 10.1016/j.chemphys.2015.05.022.

**CHEUNG Ho Nam,
Hoffman**

#LEUNG, Y T, #CHEUNG, H N H and ZHOU, W, "Energetic and Dynamics Associated with Two Typical Mobile Trough Pathways over East Asia in Boreal Winter", *Climate Dynamics*, 44(5-6), 1 March 2015, pp 1611-1626, doi: 10.1007/s00382-014-2355-6.

#CHEUNG, H N H and ZHOU, W, "Implications of Ural blocking for East Asian Winter Climate in CMIP5 GCMs. Part I: Biases in the Historical Scenario", *Journal of Climate*, 28(6), 15 March 2015, pp 2203-2216, doi: 10.1175/JCLI-D-14-00308.1.

#CHEUNG, H N H and ZHOU, W, "Implications of Ural blocking for East Asian Winter Climate in CMIP5 GCMs. Part II: Projection and Uncertainty in Future Climate Conditions", *Journal of Climate*, 28(6), 15 March 2015, pp 2217-2233.

#CHEUNG, H N H, ZHOU, W, LEE, S M and TONG, H W, "Interannual and Interdecadal Variability of the Number of Cold Days in Hong Kong and Their Relationship with Large-scale Circulation", *Monthly Weather Review*, 143(4), 1 April 2015, pp 1438-1454, doi: 10.1175/MWR-D-14-00335.1.

CHEUNG Hung Ming

#KUHLMANN, G, LAM, Y F N, #CHEUNG, H M, HARTL, A, FUNG, J C J, CHAN, P W and WENIG, M, "Development of a custom OMI NO₂ data product for evaluating biases in a regional chemistry transport model", *Atmospheric Chemistry and Physics*, Vol 15, 21 May 2015, pp 5627-5644, doi: 10.5194/acp-15-5627-2015.

**DREYER Jochen,
Armin Helmut**

TEOH, W Y, DORONKIN, D E, #BEH, G K, #DREYER, J A H and GRUNWALDT, J, "Methanation of carbon monoxide over promoted flame-synthesized cobalt clusters stabilized in zirconia matrix", *Journal of Catalysis*, Vol 326, June 2015, pp 182-193, doi: 10.1016/j.jcat.2015.03.014.

#DREYER, J A H, GROSSMANN, H K, CHEN, J, GRIEB, T, GONG, B B, SIT, P, MADLER, L and TEOH, W Y, "Preferential oxidation of carbon monoxide over Pt-FeO_x/CeO₂ synthesized by two-nozzle flame spray pyrolysis", *Journal of Catalysis*, Vol 329, 2015, pp 248-261.

Section A: Publications of PhD Students

- HU Chenyan** #HU, C, CHU, K, ZHAO, Y and TEOH, W Y, "Efficient Photoelectrochemical Water Splitting over Anodized p-Type NiO Porous Films", *ACS Applied Materials & Interfaces*, 6(21), 12 November 2014, pp 18558-18568, doi: 10.1021/am507138b.
- JIANG Yanan** GALI, N K, YANG, F, #JIANG, Y, #CHAN, K L, SUN, L, HO, K F and NING, Z, "Spatial and seasonal heterogeneity of atmospheric particles induced reactive oxygen species in urban areas and the role of water-soluble metals", *Environmental Pollution*, Vol 198, March 2015, pp 86-96.
- KUHLMANN Gerrit** #KUHLMANN, G, LAM, Y F N, #CHEUNG, H M, HARTL, A, FUNG, J C J, CHAN, P W and WENIG, M, "Development of a custom OMI NO₂ data product for evaluating biases in a regional chemistry transport model", *Atmospheric Chemistry and Physics*, Vol 15, 21 May 2015, pp 5627-5644, doi: 10.5194/acp-15-5627-2015.
- KWAN Tsz Him** LIN, S K C, KOUTINAS, A A, STAMATELATOU, K, MUBOFU, E B, MATHARU, A S, KOPSAHELIS, N, PFALTZGRAFF, L A, CLARK, J H, PAPANIKOLAOU, S, #KWAN, T H and LUQUE, R, "Current and future trends in food waste valorization for the production of chemicals, materials and fuels: a global perspective", *Biofuels Bioproducts & Biorefining-Biofpr*, 8(5), 4 July 2014, pp 686-715.
- LAI Chun Sing** LEE, Y C, SHINDELL, D, FALUVEGI, G, WENIG, M, LAM, Y F N, NING, Z, HAO, S and #LAI, C S, "Increase of ozone concentrations, its temperature sensitivity and the precursor factor in South China", *Tellus Series B-Chemical and Physical Meteorology*, Vol 66, August 2014, pp 23455-23471.
- LEUNG Yu Ting** #LEUNG, Y T, #CHEUNG, H N H and ZHOU, W, "Energetic and Dynamics Associated with Two Typical Mobile Trough Pathways over East Asia in Boreal Winter", *Climate Dynamics*, 44(5-6), 1 March 2015, pp 1611-1626, doi: 10.1007/s00382-014-2355-6.
- LI Cheuk Yin** #LI, C Y, ZHOU, W and LEE, T C, "Climatological Characteristics and Observed Trends of Tropical Cyclone-Induced Rainfall and Their Influences on the Long-Term Rainfall Variations in Hong Kong", *Monthly Weather Review*, 143(6), June 2015, pp 2192-2206.
- #LI, C Y and ZHOU, W, "Interdecadal Change in South China Sea Tropical Cyclone Frequency in Association with Zonal Sea Surface Temperature Gradient", *Journal of Climate*, 27(14), 15 July 2014, pp 5468-5480.
- #LI, C Y and ZHOU, W, "Interdecadal Changes in Summertime Tropical Cyclone Precipitation over Southeast China during 1960-2009", *Journal of Climate*, 28(4), 15 February 2015, pp 1494-1509.
- LI Li** #SHE, Y, LU, Z, NI, M, #LI, L and LEUNG, K H M, "Facile Synthesis of Nitrogen and Sulfur Codoped Carbon from Ionic Liquid as Metal-Free Catalyst for Oxygen Reduction Reaction", *ACS Applied Materials & Interfaces*, 7(13), 8 April 2015, pp 7214-7221, doi: 10.1021/acsami.5b00222.
- LU Hongyuan** #LU, H and LEE, P K H, "Effects of cellulose concentrations on the syntrophic interactions between *Clostridium cellulovorans* 743B and *Rhodospseudomonas palustris* CGA009 in coculture fermentation for biohydrogen production", *International Journal of Hydrogen Energy*, 40(35), June 2015, pp 11800-11808.

Section A: Publications of PhD Students

- LUO Shiqiang** #LUO, S and DAOUD, W , "Recent progress in organic-inorganic halide perovskite solar cells: mechanisms and material design", *JOURNAL OF MATERIALS CHEMISTRY A*, 3(17), 2015, pp 8992-9010, doi: 10.1039/c4ta04953e.
- #LUO, S, *JOURNAL OF MATERIALS CHEMISTRY A*, Vol 3, 21 November 2014, pp 8992-9010, doi: 10.1039/C4TA04953E.
- RAKOWSKA Agata
Barbara** #RAKOWSKA, A B, #WONG, K C J, TOWNSEND, T, #CHAN, K L, WESTERDAHL, D, NG, S, MOCNIK, G, DRINOVEC, L and NING, Z , "Impact of traffic volume and composition on the air quality and pedestrian exposure in urban street canyon", *Atmospheric Environment*, Vol 98, 2014, pp 260-270.
- SHE Yiyi** #SHE, Y, LU, Z, NI, M, #LI, L and LEUNG, K H M , "Facile Synthesis of Nitrogen and Sulfur Codoped Carbon from Ionic Liquid as Metal-Free Catalyst for Oxygen Reduction Reaction", *ACS Applied Materials & Interfaces*, 7(13), 8 April 2015, pp 7214-7221, doi: 10.1021/acsami.5b00222.
- TANG Chi Kit** #TANG, C K and CHAN, C L J , "Idealized simulations of the effect of Taiwan and Philippines topographies on tropical cyclone tracks", *Quarterly Journal of the Royal Meteorological Society*, 140(682), July 2014, pp 1578-1589.
- WANG Weiwen** #WANG, W, ZHOU, W, LI, Y, WANG, X and WANG, D , "Statistical modeling and CMIP5 simulations of hot spell changes in China", *Climate Dynamics*, 44(9-10), May 2015, pp 2859-2872, doi: 10.1007/s00382-014-2287-1.
- WONG Ka Chun, Joe** YANG, F, KAUL, D S, #WONG, K C J, WESTERDAHL, D, SUN, L, HO, K F, TIAN, L, BRIMBLECOMBE, P and NING, Z , "Heterogeneity of passenger exposure to air pollutants in public transport microenvironments", *Atmospheric Environment*, Vol 109, 2015, pp 42-51.
- #RAKOWSKA, A B, #WONG, K C J, TOWNSEND, T, #CHAN, K L, WESTERDAHL, D, NG, S, MOCNIK, G, DRINOVEC, L and NING, Z , "Impact of traffic volume and composition on the air quality and pedestrian exposure in urban street canyon", *Atmospheric Environment*, Vol 98, 2014, pp 260-270.
- WUBULIHAIREN
Maimaitireyimu** #WUBULIHAIREN, M, JIANG, Y and NING, Z , "Prototype Development and Laboratory Evaluation of an Aerosol to Hydrosol Sampler", *Aerosol and Air Quality research*, 15(3), June 2015, pp 776-785, doi: 10.4209/aaqr.2014.08.0175.
- XIANG Yan** NIKIFORIDIS, G, #XIANG, Y and DAOUD, W , "Electrochemical behavior of carbon paper on cerium methanesulfonate electrolytes for zinc-cerium flow battery", *Electrochimica Acta*, Vol 157, 1 March 2015, pp 274-281, doi: 10.1016/j.electacta.2014.11.134.
- Conference papers*
CHAN Ka Lok NING, Z, #CHAN, K L, #WONG, K C J, WESTERDAHL, D and MOCNIK, G , "Black carbon size distribution and mixing state in urban environments", *Workshop on Atmospheric Chemistry and Climate Change in Asia (WACCCA 2014)*, University of Malaya, Kuala Lumpur, Kuala Lumpur, Malaysia, 14-15 July 2014.
- CHEUNG Ho Nam,
Hoffman** #CHEUNG, H N H and ZHOU, W , "The Implication of Ural Blocking on the East Asian Winter Climate as Inferred From CMIP5 Models", *AOGS-AGU (WPGM) Joint Assembly*, Sapporo, Japan, 28 July - 1 August 2014.

Section A: Publications of PhD Students

- CHEUNG Hung Ming** LAM, Y F N, #CHEUNG, H M, FUNG, C, FU, J and HUANG, K , "Impacts of Boundary Condition Selection on Regional Air Quality Model", *the 14th Annual CMAS Conference*, Chapel Hill, North Carolina, USA, 27-29 October 2014.
- HAO Song** AN, K J, LAM, Y F N, #HAO, S and FURUMAI, H , "Evaluating the potential of Multi-sourcing urban water harvest at building scale", *3rd Water Research Conference*, Elsevier, Shenzhen , China, 11-14 January 2015.
- #NG, C P, #HAO, S and LAM, Y F N , "High-resolution visibility and air quality forecasting using multi-layer urban canopy model for highly urbanized Hong Kong and the Pearl River Delta", *European Geosciences Union General Assembly 2015*, EGU, Vienna, Austria, 12 April - 17 July 2015.
- HAQUE Md Ariful** #HAQUE, M A, APOSTOLIS, K, KACHRIMANIDOU, V and LIN, S K C , "VALORIZATION OF FOOD WASTE FOR BIO-COLORANT (*MONASCUS* DYE) PRODUCTION", *11th International Conference on Renewable Resources & Biorefineries*, Hong Kong, PRC, 3-5 June 2015.
- HU Yunzi** #HU, Y, #KWAN, T H, DAOUD, W, CHEUK, K K L, HARO DOMINGUEZ, P, FEI, B, CHEN, L, YANG, X, LI, S and LIN, S K C , "CONVERSION OF FOOD WASTE INTO POLYLACTIC ACID FIBRE", *11th International Conference on Renewable Resources & Biorefineries*, United Kingdom, 3-5 June 2015.
- #HU, Y, #KWAN, T H, DAOUD, W, CHEUK, K K L, HARO DOMINGUEZ, P, FEI, B, CHEN, L, YANG, X, LI, S and LIN, S K C , "Conversion of Food Waste into Polylactic acid Fibre. in: Green Chemistry Gordon Research Seminar", *Green Chemistry Gordon Research Seminar*, Hong Kong, PRC, 27 July - 1 August 2014.
- KWAN Tsz Him** #HU, Y, #KWAN, T H, DAOUD, W, CHEUK, K K L, HARO DOMINGUEZ, P, FEI, B, CHEN, L, YANG, X, LI, S and LIN, S K C , "CONVERSION OF FOOD WASTE INTO POLYLACTIC ACID FIBRE", *11th International Conference on Renewable Resources & Biorefineries*, United Kingdom, 3-5 June 2015.
- #HU, Y, #KWAN, T H, DAOUD, W, CHEUK, K K L, HARO DOMINGUEZ, P, FEI, B, CHEN, L, YANG, X, LI, S and LIN, S K C , "Conversion of Food Waste into Polylactic acid Fibre. in: Green Chemistry Gordon Research Seminar", *Green Chemistry Gordon Research Seminar*, Hong Kong, PRC, 27 July - 1 August 2014.
- #KWAN, T H, PLEISSNER, D, LAU, K Y, VENUS, J, POMMERET, A and LIN, S K C , "TECHNO-ECONOMIC ANALYSIS OF A FOOD WASTE VALORIZATION VIA MICROALGAE CULTIVATION AND CO-PRODUCTION OF PLASTICIZER, LACTIC ACID AND ANIMAL FEED FROM ALGAL BIOMASS AND FOOD WASTE", *Proceedings of the International Conference on Solid Wastes 2015: Knowledge Transfer for Sustainable Resource Management*, Hong Kong, PRC, 19-23 May 2015.
- LEUNG Yu Ting** #LEUNG, Y T and ZHOU, W , "Variation of circulation and East Asian climate associated with anomalous strength and displacement of the East Asian trough", *AGU chapman conference*, Hong Kong, PRC, 14-18 June 2015.
- NG Chak Piu** #NG, C P, #HAO, S and LAM, Y F N , "High-resolution visibility and air quality forecasting using multi-layer urban canopy model for highly urbanized Hong Kong and the Pearl River Delta", *European Geosciences Union General Assembly 2015*, EGU, Vienna, Austria, 12 April - 17 July 2015.

Section A: Publications of PhD Students

- SHE Yiyi** #SHE, Y and LEUNG, K H M , "Nitrogen and boron co-doped graphene as efficient catalyst for oxygen reduction reaction", *248th National Meeting of the American-Chemical-Society (ACS)*, San Francisco, CA, USA, 10-14 August 2014.
- WONG Ka Chun, Joe** NING, Z, #CHAN, K L, #WONG, K C J, WESTERDAHL, D and MOCNIK, G , "Black carbon size distribution and mixing state in urban environments", *Workshop on Atmospheric Chemistry and Climate Change in Asia (WACCCA 2014)*, University of Malaya, Kuala Lumpur, Kuala Lumpur, Malaysia, 14-15 July 2014.
- All other outputs*
- CHEUNG Ho Nam, Hoffman** #CHEUNG, H N H , "Revisiting the climatology of atmospheric blocking in the Northern Hemisphere", 2015 Esteemed Paper Prize of Advances in Atmospheric Sciences, Institute of Atmospheric Physics, Chinese Academy of Sciences, PRC, March 2015.
- KUHLMANN Gerrit** #KUHLMANN, G , *Satellite Measurements of Tropospheric Trace Gas Distributions on a Regional and Urban Scale*, PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 12 August 2014.
- LEUNG Yu Ting** #LEUNG, Y T , *East Asian Trough and Its Modulations on East Asian Winter Climate*, PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 12 May 2015.
- RAKOWSKA Agata Barbara** #RAKOWSKA, A B , *Physicochemical Evolution of Air Pollutants from Traffic Emissions to Roadside in Complex Built Environment*, PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 11 June 2015.
- SHE Yiyi** #SHE, Y , *Development of Advanced Functional Nanomaterials as Catalysts in Low-Temperature Fuel Cell*, PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 15 April 2015.

School of Law

SCHOOL OF LAW

Journal publications

- FENG Yuqing** HE, X F and #FENG, Y , "Mismatched Discourse in Petition Offices of Chinese Courts", *Law and Social Inquiry-Journal of the American Bar Foundation*, 2015, pp 1-30, doi: 10.1111/lsi.12124.
- KHAN Sarfaraz Ahmed** #KHAN, S A K , "DEMYSTIFYING THE TERM HUMAN TRAFFICKING: INTERNATIONAL LAW AND MUNICIPAL INCORPORATION", *International Journal of Law and Policy Review*, 4(1), 1 January 2015, pp 61-80.
- #KHAN, S A K , "HUMAN TRAFFICKING, JUSTICE VERMA COMMITTEE REPORT AND LEGAL REFORM: A UNACCOMPLISH AGENDA", *JOURNAL OF INDIAN LAW INSTITUTE*, 56(4), 1 October 2014, pp 567-580.
- #KHAN, S A K , " *Reparation to the Victims of Human Trafficking for Commercial Sexual Exploitation in India: Challenges and Remedies.* ", *International Perspectives in Victimology*, 8(1), 1 November 2014, pp 84-101.
- #KHAN, S A K , "Sex-Trafficking and the Power of the Police to Investigate: Need for Legal Reform", *COPS TODAY INTERNATIONAL*, 1(1), MAY-JUNE 2015 2015, pp 16-20.

Section A: Publications of PhD Students

Conference papers

**KHAN Sarfaraz
Ahmed**

#KHAN, S A K , "Policing Cross-Border Human Trafficking Cases: An Insight from India and Bangladesh", *Asian Association of Police Studies Annual Conference 2014*, Asian Association of Police Studies, Tokyo, Japan, 1-4 December 2014.

All other outputs

XIN Xin

#XIN, X , *Are Chinese Courts Undermining People's Rights through Judicial Mediation? A Critical Evaluation with Special Reference to Divorce Cases*, PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 15 December 2014.

YAN Rong

#YAN, R , *The Proliferation of Regional Trade Agreements and the WTO: Convergence, Divergence and Interaction*, PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 21 July 2014.

ZHENG Yelu

#ZHENG, Y , *East Asian Free Trade Area: What Shapes the Future and Where Is It Going?*, PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 12 June 2015.

Section B: Publications of MPhil Students

College of Business

DEPARTMENT OF INFORMATION SYSTEMS

Journal publications

ZHAO Yi

WANG, W, #ZHAO, Y, QIU, L and ZHU, Y , "Effects of Emoticons on the Acceptance of Negative Feedback in Computer-Mediated Communication", *Journal of the Association for Information Systems*, 15(8), August 2014, pp 454-483.

College of Liberal Arts and Social Sciences

DEPARTMENT OF APPLIED SOCIAL SCIENCES

Journal publications

CHUI Hiu Tung Barbie

HUI, N N A, CHOW, W Y B, CHAN, Y T A, #CHUI, H T B and SAM, C T , "Creativity in Hong Kong classrooms: transition from a seriously formal pedagogy to informally playful learning", *Education 3-13: International Journal of Primary, Elementary and Early Years Education*, 43(4), 13 March 2015, pp 393-403.

Conference papers

CHUI Hiu Tung Barbie

CHOW, W Y B, #CHUI, H T B, LAI, W C M and WONG, S W , "The role of maternal home literacy practices in children's foreign language anxiety and vocabulary knowledge", *The Society for Research in Child Development Biennial Meeting 2015*, USA, 19-21 March 2015.

LEE Candy Hong Yan

LI, K K B and #LEE, C H Y , "Future-time manipulation influenced the prioritization of health and social goals", *The 28th Conference of the European Health Psychology Society*, Innsbruck, Austria, 26-30 August 2014.

LI, K K B and #LEE, C H Y , "Negotiating health and social goals over the lifespan: The mediating role of future-time perception", *The 28th Conference of the European Health Psychology Society*, Innsbruck, Austria, 26-30 August 2014.

College of Science and Engineering

DEPARTMENT OF ARCHITECTURE AND CIVIL ENGINEERING

Journal publications

PANG Hoi Yan

#PANG, K H Y, CHEUNG, S O, CHOI, M C and CHU, Y Y , "Opportunism in Construction Contracting: Minefield and Manifestation", *International Journal of Project Organisation and Management*, 7(1), March 2015, pp 31-55.

DEPARTMENT OF BIOLOGY AND CHEMISTRY

Journal publications

LEUNG Fo Man

WONG, W L, #LEUNG, F M, #ALQOUQA, I A S and CHEUNG, H Y , "Cloning and Expression of a Surface Antigen of *Orientia tsutsugamushi* in *E. coli*", *Hong Kong Pharmaceutical Journal*, 21(3), Jul-Sep 2014, pp 98-107.

Section B: Publications of MPhil Students

LEUNG Yu Sing WU, Q, #LEUNG, Y S, TAM, N F Y, CHEN, S, MAI, B, ZHOU, X, XIA, L and GENG, X, "Biological risk and pollution history of polycyclic aromatic hydrocarbons (PAHs) in Nansha mangrove, South China", *Marine Pollution Bulletin*, 85(1), 15 August 2014, pp 92-98, doi: 10.1016/j.marpolbul.2014.06.014.

WU Yan #WANG, Y, #WU, Y, WU, Z and TAM, N F Y, "Genotypic responses of bacterial community structure to a mixture of wastewater-borne PAHs and PBDEs in constructed mangrove microcosms", *Journal of Hazardous Materials*, Vol 298, 6 May 2015, pp 91-101, doi: 10.1016/j.jhazmat.2015.05.003.

DEPARTMENT OF COMPUTER SCIENCE

All other outputs

WONG Ting Yan #WONG, T Y, *ODUG: Cross Model Datum Access with Semantic Preservation for Legacy Databases*, MPhil Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 17 December 2014.

XU Wenjian #XU, W, *Location-Aware News Feed and Advertising for Mobile Users*, MPhil Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 30 September 2014.

DEPARTMENT OF ELECTRONIC ENGINEERING

Journal publications

LEUNG Hon Yin #LEUNG, H Y, CHENG, L M and LI, X Y, "A FPGA implementation of facial feature extraction", *Journal of Real-Time Image Processing*, 10(1), 2015, pp 135-149.

Conference papers

CHEUNG Sui Pung #CHEUNG, S P, CHUNG, S H H and LO, W L, "A Voltage Regulator Using Multi-Parallel-Connected Series-Voltage Compensators", *IEEE Energy Conversion Congress and Exposition*, USA, 14-18 September 2014.

LAM Wai Lun #LAM, W L and CHAN, C H, "Power amplifier with high transformation ratio power combiner in GaAs Technology", *2014 IEEE International Workshop on Electromagnetics: Applications and Student Innovation Competition, IEEE iWEM 2014*, Japan, 4-6 August 2014, pp 199-200.

LIU Chun For WANG, W, #LIU, C F, CHUNG, S H H, LAU, W H R, ZHANG, J and LO, W L, "Fault diagnostic device for photovoltaic panels", *IEEE Applied Power Electronics Conference and Exposition*, USA, 15-19 March 2015.

Patents, agreements, assignments and companies

SARWER Mohammed Golam PO, L M and #SARWER, M G, Bit Rate Estimation in Data or Video Compression, Patent No.: US8,798,137, United States Patent and Trademark Office, USA, 5 August 2014.

All other outputs

CHUNG Tsing #CHUNG, T, *Neural Probe Arrays with High Density Electrode Sites and Low Electrode Impedance*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 5 February 2015.

LAM Wai Lun #LAM, W L, *Study of Fully Packaged and Power Combining Power Amplifier Integrated Circuits*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 4 September 2014.

DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE

Journal publications

CHAN Kai Wang

#CHAN, K W and TJONG, S C, "Effect of Secondary Phase Precipitation on the Corrosion Behavior of Duplex Stainless Steels", *Materials*, 7(7), July 2014, pp 5268-5304, doi: 10.3390/ma7075268.

#CHAN, K W, WONG, H M, YEUNG, K W K and TJONG, S C, "Polypropylene Biocomposites with Boron Nitride and Nanohydroxyapatite Reinforcements", *Materials*, 8(3), March 2015, pp 992-1008, doi: 10.3390/ma8030992.

All other outputs

CHAU Ka Shing

#CHAU, K S, *Evaluation of Concrete Coating Systems for Sewage Applications*, MPhil Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 4 August 2014.

DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT

Journal publications

TSE Yiu Lun

#TSE, Y L and TSE, W T P, "A low-cost and effective automobile engine fault diagnosis using instantaneous angular velocity evaluation", *International Journal of Strategic Engineering Asset Management*, Vol 2, 25 July 2014, pp 2-21.

Section C: Publications of Professional Doctorate Students

College of Business

DOCTOR OF BUSINESS ADMINISTRATION

Scholarly books, monographs and chapters

SU Yu Nin #Eric Su, Edward Tang, K K Lai & P Y Lee, “Operational Risk Management in Container Terminals Series in Routledge Advances in Risk Management, Taylor & Francis, UK, June 2015

LAM Yat Fai #Y F Lam & K K Lai, “A Practitioner’s Guide to Target Accrual Redemption Forwards”, Capitalogic Publisher, Hong Kong, Jan 2015

LAM Yat Fai #Y F Lam & K K Lai, “Managing Currency Options: Vanna-Volga Method”, Book Series in Routledge Advances in Risk Management, Taylor & Francis, UK, August, 2015

Conference papers

FAN Chaobin Yi Sun, Kwok Kee Wei, #Chaobin Fan (2015). *Social Commerce: The Impact of Social Climate on Friendship Group Members’ Purchase Intention and Behavior*. 信息系统协会中国分会第六届学术年会 (CNAIS 2015), Jinan, China, 23-25 October, 2015. (Best Paper Award)

NGAN Man Sham #Bosco Ngan, K K Lai & Y P Lee, “Multi-theory Analysis on Leadership: a Study in the Shipping Industry”, Proceedings of the China Marketing International Conference, Xian, China, July 2015, p137-151

LAM Sai Ho Anthony #Anthony Lam, T Zhang & K K Lai, “A Study on Hong Kong Rice Supply Chain Risk Management with Value Chain Analysis”, Proceedings of the 2nd International Conference on Industrial Engineering, Management Science and Applications, Springer, Japan, April 2015

**YEUNG Wai Chung
Frankie** #Frankie Yeung, K K Lai & Y Lee, “Insurance Strategies Development with Various Monetary Considerations; a Reflection from the Insurance Customers Profile in Hong Kong”, Proceedings of the 7th International Joint Conference on Computational Sciences and Optimization, Beijing, China, July 2014

#F Yeung, K K Lai & Y Lee, “Impact of the Concerns over Exogenous Factors towards the Insurance Purchase: a Study in Hong Kong Insurance Market”, Proceedings of the 7th International Conference on Business Intelligence & Financial Engineering, Xian, China, August 2014

MA Jiayang #Maggie Ma, K Liu & K K Lai, “The Development of a RMB Internationalization Potential Index”, Proceedings of the 7th International Joint Conference on Computational Sciences and Optimization, Beijing, China, July 2014

CHAN Chun Kwong #CHAN Chun Kwong, “Investigation into the adoption of interactive e-channels in the finance industry”, Conference of Innovation for Financial Services 2014, Montreal, Canada, 16 & 17 October 2014

Section C: Publications of Professional Doctorate Students

HUI Siu Fu #HUI Siu Fu, “Effects of Initial Trust in Doctors on Medication Purchase Intention of Chronic Disease Patients in Mainland China: an empirical approach”, China Marketing International Conference 2014, Wuhan, Hubei, China, July 2014

All other outputs

CHEN Chao Teng #CHEN C T, Strategies of Algorithmic Trading and High Frequency: Analysis, Modeling and Applications in Financial Markets, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, August 2014.

CHEUNG Haywood #CHEUNG H W, Study of Gold Market under the Internationalization of RMB in Hong Kong, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, August 2014.

FAN Chaobin #FAN Chaobin, *Research on Impacts of Online Social Group on Customer Purchase Behavior under Social Commerce Context*, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, January 2016.

HUI Siu Fu #HUI S F, Effects of Initial Trust in Doctor, Country of Origin, Word-of-mouth and Price Sensitivity on Medication Purchase Intention of Chronic Disease Patients in Mainland China, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, May 2015.

JIANG Zhenmei #JIANG Z M, Understanding Continuance Intention of E-RTTIS (Internet-based Real-time Traffic Information System) Usage: An Information Quality Perspective, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, September 2014.

KAELIN Marcel #KAELIN M, Modification of Values for Investment Companies at Big Events, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, September 2014.

KAUL Mayank #KAUL M, Key Determinants of Debt Decisions of Equity REITs – An Exploratory Analysis of Asia Pacific REITs Debt Structures with a Focus on Sponsor and External Management and Impact of Financial Crisis : Evidence from Japan, Singapore and Australia, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, December 2014.

LAM Yat Fai #LAM Y F, Managing Currency Options in Financial Institutions with Vanna-Volga Method, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, August 2014.

LO Ka Kuen Kenneth #LO K K K, Exchange Traded Funds - Performance Evaluation and Strategic Product Development in Emerging Asia, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, August 2014.

POON Lok Ming Louis #POON L M L, An Empirical Study of the Critical Survival Factors in Hong Kong's Retail Fund Market: The Case of Value Partners Group Limited in Hong Kong, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, July 2014.

RUTHERFURD Lewis Polk #RUTHERFURD L P, The Role of Pre-Deal Process in Asian Venture Capital Fund Performance 1980-2000, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, August 2014.

SIU Kwok Hung #SIU K H, Factors Influencing the Adoption of Lean Manufacturing: Evidence from a Chinese Manufacturing Firm, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, July 2014.

- SU Yu Nin** #SU Y N, The Application of SURE Model in Operational Risk Management of Container Terminals, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, August 2014.
- WANG Jiangan** #WANG J A, Factors Influencing an Entrepreneur's Motivation to Develop Alternative Fuel Vehicles: Evidence from China, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, July 2014.
- WONG Heung Tsun** #WONG H T, An Exploratory Study in Strategy Formulation of New Generation Container Port, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, September 2014.
- YEUNG Cheuk Kwong** #YEUNG C K, Board Governance, Firm Performance, and the Influence of the Cultural Backgrounds of Directors: Evidence from Hong Kong Listed Companies, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, July 2014.

College of Science and Engineering

ENGINEERING DOCTORATE (CIVIL AND ARCHITECTURAL ENGINEERING)

Conference papers

- YU Kin Ho** #Conson Yu, S.L. Wong, A.C.K. Lai (2014). Study of ventilation parameters on indoor carbon dioxide and fine particulate matter concentrations. *Indoor Air 2014, The 13th International Conference On Indoor Air Quality And Climate*, Hong Kong, 7-12 July, 2014.

All other outputs

- LEUNG Chan Man Philip** #LEUNG Chan Man Philip, *Development of a Novel Intelligent Approach for Estimation of Electrical Power Consumption in Subway Stations*, EngD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, May 2015.
- WAN Sze Hok Wilson** #WAN Sze Hok Wilson, *Partnering in Construction Projects*, EngD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, July 2014.
- YU Kin Ho** #YU Kin Ho, *The Relationship between Indoor Carbon Dioxide and Fine Particulate Matter (PM_{2.5}) Concentrations in Mechanical Ventilation System*, EngD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, June 2015.

ENGINEERING DOCTORATE (ENGINEERING MANAGEMENT)

Journal publications

- CHAN Charn Hang, Cliff** YAM, R C M and #CHAN, C, "Knowledge sharing, commitment and opportunism in new product development", *International Journal of Operations & Production Management*, 2015 Vol. 35 Issue 7, pp. 1056-1074.

Conference papers

- NG Yu Ki** #NG, J Y K and CHAN, A H S, "The ageing construction workforce in Hong Kong: A Review". *Proceedings of the International MultiConference of Engineers and Computer Scientists 2015*, Hong Kong, 18-20 March 2015.

All other outputs

- LAI Yuk Chee** #LAI, Y C, *Knowledge Development Capacity and Product Development Capability as Antecedents of Supplier Integration in New Product Development*, EngD Thesis, Department of Systems Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, April 2015.

School of Law

DOCTOR OF JURIDICAL SCIENCE

Conference papers

- Chen Xiaofeng** Chen Xiaofeng, "How to Deter Copyright Infringement Via Peer-to-peer File Sharing Networks ", *Proceedings of 2015 International Conference on Law and Economics (Law and Economic 2015)*, Beijing, China, 6-7 June 2015, pp 1-3.
- Chen Xiaofeng** Chen Xiaofeng (2014) "Research on the training system of civil servants in Hong Kong" *Proceedings of Youth Forum on Legal Development in Two Shores and Four Regions (China Law Society 2014)*, Second Prize.

All other outputs

- GALPIN Simon Kennedy** GALPIN, Simon Kennedy, *A Comparative Study of the Impact of International Investment Agreements on Foreign Direct Investment in both Hong Kong and Mainland China*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, January 2015.
- LI Qi** LI, Qi, *Is China's Review Mechanism for Foreign Mergers and Acquisitions Over-restrictive? - Illustration of China's Equipment Manufacture Industry*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, March 2015.
- LIN Jinbing** LIN, Jinbing, *Re-examining International Harmonization of Determining Patentable Subject Matter for Biotechnological Inventions*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, December 2014.
- WILSON Claire** WILSON, Claire, *A Critical Analysis of the Banker's Duty of Secrecy with Special Reference to Hong Kong*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, November 2014.
- XIA Bin** XIE, Bin, *The Failure of China's Regulation of Overseas Listings by Private Companies: An Exploration of Solutions*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, September 2014.
- ZHAO Sining** ZHAO, Sining, *The Dichotomy between the Host State's Non-Compensable Regulatory Measures and Indirect Expropriation in International Investment Law*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, July 2015.

DOCTOR OF JURIDICAL SCIENCE (CHINESE JUDGES)

Scholarly books, monographs and chapters

- ZOU Tingqian** 邹挺谦, 《论居住权的裁判衡量及其制度完善》发表于奚晓明主编的人民法院出版社2014年第6期《民事法律文件解读》, 第95页-106页。
- ZOU, T.** "An Empirical Analysis of Court Mediation in Rui'an District Court of Zhejiang", *Mediation in Asia-Pacific*, Wolters Kluwer, December, 2013, pp.179-201.

Journal publications

LI Lihong

李立宏、陈建军，《我国刑事审后程序的三个理论支点》，发表于《云梦学刊》，2014年第4期，第84-87页。

ZOU Tingqian

邹挺谦，《论海域使用权纠纷的审理及其裁判衡量》，发表于《法律适用》，2014年第11期，第92-95页。

邹挺谦，《试论取消有限责任公司制度不具有可行性》，发表于《商事法律文件解读》，2014年第10期，第97-104页。

邹挺谦，《比例原则应确立为我国行政法的基本原则》，发表于《行政与执行法律文件解读》，2014年第11期，第98-104页。

邹挺谦、王蕾，《机动车交通事故责任纠纷案件审理的疑难问题与裁判衡量》，发表于《民事法律文件解读》，2015年第1期，第43-68页。