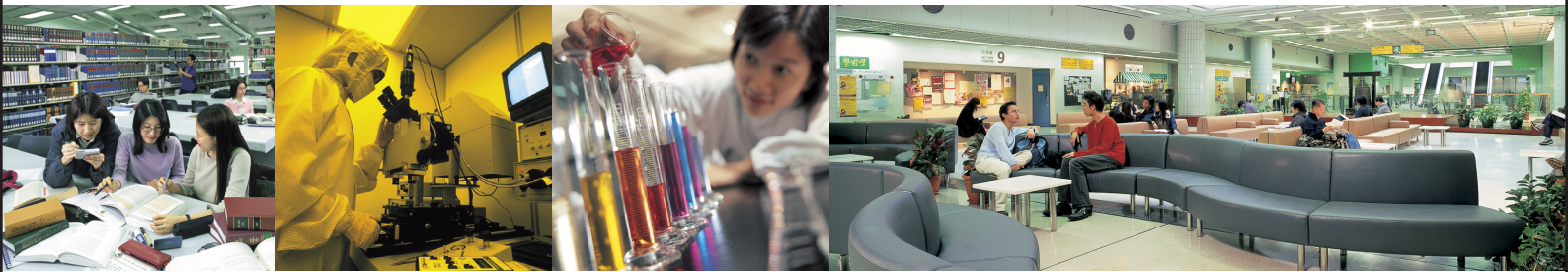


# Research Degree Students' Research Output

July 2004 – June 2005



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**Research Degree Students'**  
**Research Output**  
July 2004 – June 2005

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**School of Graduate Studies**

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## **Section B: Output of MPhil Students**

### **Faculty of Business**

- 75 Department of Accountancy
- 75 Department of Economics and Finance
- 75 Department of Information Systems
- 77 Department of Management Sciences

### **Faculty of Humanities and Social Sciences**

- 79 Department of Applied Social Studies
- 79 Department of Chinese, Translation and Linguistics
- 80 Department of English and Communication
- 80 Department of Public and Social Administration

### **Faculty of Science and Engineering**

- 81 Department of Biology and Chemistry
- 84 Department of Building and Construction
- 84 Department of Computer Engineering and Information Technology
- 88 Department of Computer Science
- 93 Department of Electronic Engineering
- 100 Department of Manufacturing Engineering & Engineering Management
- 101 Department of Mathematics
- 102 Department of Physics and Materials Science

- 111 School of law




# Foreword

The research degree programmes of CityU aim at nurturing students who can contribute to knowledge advancement through independent and original research; demonstrate specialist subject knowledge and a high level of transferable skills; and enhance economic, social and cultural development.

This year, we have witnessed the success of our research degree students in producing a wealth of outputs which is contributing to an impressive record of cutting-edge research. From July 2004 to June 2005, a total of 1,203 publications have been produced, among which, 817 by PhD students and 386 by MPhil students. The projects covering the areas of Business, Humanities, Social Sciences, Science, Engineering, Creative Media and Law, are all applied in nature.

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

As Vice-President (Research) / Dean of Graduate Studies, I am proud of the accomplishment of our students. I sincerely congratulate them for their achievements and hope that their talents and expertise will become valuable resources to our society.



Professor Roderick Wong  
Vice-President (Research) /  
Dean of Graduate Studies

## Summary of Research Output Produced by PhD Students 2004-2005

Departments	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	All other outputs	
<b><i>PhD</i></b>								
<b>Faculty of Business</b>								
Department of Accountancy	2	-	-	-	-	-	2	
Department of Economics and Finance	2	-	2	1	-	-	5	
Department of Information Systems	20	-	13	32	-	-	50	
Department of Management	2	-	-	3	-	-	3	
Department of Management Sciences	8	-	6	6	-	-	16	
Department of Marketing	3	-	4	3	-	-	9	
<b>Faculty of Humanities and Social Sciences</b>								
Department of Applied Social Studies	3	-	-	-	-	-	3	
Department of Chinese, Translation and Linguistics	8	1	2	8	-	-	14	
Department of English and Communication	10	1	4	8	-	-	18	
Department of Public and Social Administration	6	1	1	-	-	-	6	
<b>Faculty of Science and Engineering</b>								
Department of Biology and Chemistry	49	1	57	39	-	3	108	
Department of Building and Construction	27	-	51	27	-	-	83	
Department of Computer Engineering & Information Technology	9	1	8	8	-	-	18	
Department of Computer Science	16	1	18	19	-	-	41	
Department of Electronic Engineering	60	2	89	57	-	1	164	
Department of Manufacturing Engineering & Engineering Management	25	3	24	23	1	-	59	
Department of Mathematics	7	-	5	4	-	-	14	
Department of Physics and Materials Science	35	-	102	73	-	2	188	
<b>School of Creative Media</b>								
	5	-	4	5	2	-	11	
<b>School of Law</b>								
	3	-	1	2	-	-	5	
<b>Sub-total</b>	<b>301</b>	<b>11</b>	<b>391</b>	<b>318</b>	<b>3</b>	<b>6</b>	<b>817</b>	



## Summary of Research Output Produced by MPhil Students 2004-2005

Departments	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	All other outputs	
<b>MPhil</b>								
<b>Faculty of Business</b>								
Department of Accountancy	1	-	-	-	-	-	1	1
Department of Economics and Finance	3	-	-	-	-	-	3	3
Department of Information Systems	12	-	2	12	-	-	3	17
Department of Management	-	-	-	-	-	-	-	-
Department of Management Sciences	12	-	1	4	-	-	8	13
Department of Marketing	-	-	-	-	-	-	-	-
<b>Faculty of Humanities and Social Sciences</b>								
Department of Applied Social Studies	3	-	-	1	-	-	2	3
Department of Chinese, Translation and Linguistics	7	-	1	2	-	-	5	8
Department of English and Communication	1	-	-	3	-	-	-	3
Department of Public and Social Administration	3	-	-	-	-	-	3	3
<b>Faculty of Science and Engineering</b>								
Department of Biology and Chemistry	22	-	17	8	-	-	8	33
Department of Building and Construction	4	-	2	1	-	-	1	4
Department of Computer Engineering & Information Technology	20	-	10	26	-	-	9	45
Department of Computer Science	26	-	13	31	-	-	9	53
Department of Electronic Engineering	43	1	27	30	-	-	20	78
Department of Manufacturing Engineering & Engineering Management	13	-	2	6	-	-	7	15
Department of Mathematics	4	-	2	-	-	-	3	5
Department of Physics and Materials Science	36	-	56	29	-	-	15	100
School of Creative Media	-	-	-	-	-	-	-	-
School of Law	2	-	-	1	-	-	1	2
<b>Sub-total</b>	<b>212</b>	<b>1</b>	<b>133</b>	<b>154</b>	<b>-</b>	<b>-</b>	<b>98</b>	<b>386</b>



## Section A:

# Publications of PhD Students

## *Faculty of Business*

### DEPARTMENT OF ACCOUNTANCY

#### All other outputs

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ECONOMICS AND FINANCE

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- BANERJEE Probir Kumar** BANERJEE, P K, BOLLOJU, N and MA, L C K, “Do Wikis Lead to Knowledge Sharing and Better Outcomes from Group Processes?—An Empirical Investigation”, *Proceedings of the 8th Pacific-Asia Conference on Information Systems (PACIS 2004)*, Shanghai, PRC, 8-11 July 2004, pp 1367-1376, published in CD-Rom.
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- CHEUNG, C M K and LIMAYEM, M, “The Role of Habit and the Changing Nature of Relationship between Intention and Usage”, *Proceedings of the 13th European Conference on Information Systems (ECIS 2005)*, Regensburg, Germany, 26-28 May 2005, published on web, <http://is.lse.ac.uk/aspecis/default5.asp>.
- LEUNG, S K and CHEUNG, C M K, “Consumer Attitude toward Mobile Advertising”, *Proceedings of the 10th Americas Conference on Information Systems (AMCIS 2004)*, New York, USA, 6-8 August 2004, pp 2772-2775, published in CD Rom.
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- SHEK Serah Pui Wah      CHEUNG, M Y, SHEK, S P W and SIA, C L, "Virtual Community of Consumers: Why People are Willing to Contribute?", *Proceedings of the 8th Pacific-Asia Conference on Information Systems (PACIS 2004)*, Shanghai, PRC, 8-11 July 2004, pp 2100-2107.
- SHEK, S P W and SIA, C L, "Understanding of Organizational Intention to Distributed Work Adoption", *Proceedings of the 8th Pacific-Asia Conference on Information Systems (PACIS 2004)*, Shanghai, PRC, 8-11 July 2004, pp 805-815.
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- CHEUNG Siu King** CHEUNG, S K, Complexity Reduction in Lattice-based Information Retrieval: Theory, Prototype Development, and Evaluation, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 September 2004.
- LAM Jolie Chi-yee** LAM, J C Y, Digital Divide in Hong Kong, China - The Effects of Self-efficacy on Elderly's Internet Usage Intention and Capabilities, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 18 February 2005.
- LIU Vanessa Shun Wah** LIU, V S W, Satisfaction with Internet-based Services—A Contingency Theory, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 2 February 2005.
- WANG Minhong** WANG, M H, Intelligent Agent Supported Business Process and Exception Management, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 23 November 2004.

## DEPARTMENT OF MANAGEMENT

### Conference papers

- LIU Weiping** LIU, W P, "Knowledge Exploitation, Knowledge Exploration and Competency Trap", *Proceedings of the 5<sup>th</sup> International CINet Conference 2004*, Sydney, Australia, 22-25 September 2004.
- LIU, W P, "Defining and Developing Strategy Complexity: An Information Processing View", *Proceedings of the LAMB 2004 Conference*, Las Vegas, USA, 7-11 November 2004.
- MA Yuan** MA, Y, "Organizational Capabilities: How do they affect new product innovation", *Proceedings of the 5th International CINet Conference 2004*, Sydney, Australia, 22-25 September 2004.

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### Journal publications

- BAO Xiaohui** BAO, X H and WAN, A T K, "On the Use of Spline Smoothing in Estimating Hedonic Housing Price Models: Empirical Evidence Using Hong Kong Data", *Real Estate Economics*, 32(3), 2004, pp 487-507.
- CHEUNG Sau Ling** CHEUNG, S L, YAU, K K W and HUI, Y V, "The Effects of Attributes on the Repeat Sales Pattern of Residential Property in Hong Kong", *Journal of Real Estate Finance and Economics*, 29(3), Kluwer, Netherlands, November 2004, pp 321-339.
- LI Jing An** LI, J A, LIU, K, LEUNG, S C H and LAI, K K, "Empty Container Management in a Port with Long-Run Average Criterion", *Mathematical and Computer Modelling*, 40(1), 2004, pp 85-100.
- LI, J A, WU, Y, LAI, K K and LIU, K, "Reliability Estimation of Multi-state Components and Coherent Systems", *Reliability Engineering and System Safety*, Vol 88, 2005, pp 93-98.



- YANG Yongheng**      WANG, Y G, LO, H P and YANG, Y H, “An Integrated Framework for Service Quality, Customer Value, Satisfaction: Evidence from China’s Telecommunication Industry”, *Information Systems Frontiers*, 6(4), December 2004, pp 325-340.
- WANG, Y G, LO, H P and YANG, Y H, “The Constituents of Core Competencies and Firm Performance: Evidence from High-technology Firms in China”, *Journal of Engineering and Technology Management*, Vol 21, December 2004, pp 249-280.

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- BAO Xiaohui**      BAO, X H and WAN, A T K, “Hybrid Estimation of Housing Price Index: Simulation Result and Empirical Evidence from Hong Kong”, 13th American Real Estate and Urban Economics Association (AREUEA) Annual International Conference 2004, Fredericton, New Brunswick, Canada, 29-31 July 2004.
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- HE Yanqun**      HE, Y Q, CHAN, L K and TSE, S K, “Securing Price Competitiveness through Consumer Satisfaction in Competitive Service Markets”, 4th Global Conference on Business and Economics, Oxford University, Oxford, United Kingdom, 26-28 June 2005.
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- NG Wan Lung**      NG, W L and LAI, K K, “A Robust Optimization Formulation for Container Liner Revenue Management”, *Proceedings of the 6th International Conference on Optimization: Techniques and Applications*, Australia, 9-11 December 2004, pp 2.1-2.10.

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- NG Wan Lung**      NG, W L, Container Logistics Decision Making Under Uncertainty, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 3 October 2004.
- YAO Zhong**      YAO, Z, A Comparison of Channel Coordination Performance for Some Contracts in Newsvendor-Type Inventory Models, PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 28 September 2004.

## DEPARTMENT OF MARKETING

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# Research Degree Students' Research Output

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