Nurturing research talent in graduate studies and pursuing excellence in research

“Research, graduate studies and knowledge transfer are actually part of the same process, with the same objective but at different stages”, said Professor Jian Lu, Chair Professor of Mechanical Engineering, Director of the Centre for Advanced Structural Materials, former Dean of the College of Science and Engineering and newly appointed Vice-President (Research and Technology) and Dean of Graduate Studies. Professor Lu’s prime direction in his new position is to further strengthen the links between these three areas.

In his new role, Professor Lu oversees the Chow Yei Ching School of Graduate Studies, the Research Grants and Contracts Office and the Knowledge Transfer Office, and is in charge of CityU’s research, graduate studies and knowledge transfer.

Enhancing research, knowledge transfer through graduate studies

Professor Lu believes that enhancing the capacity of research students can bring continuous improvements in research excellence. He is impressed with CityU’s recent achievement in the Shanghai Jia Tong University academic rankings of world universities. CityU is ranked first in the Greater China Region (including Hong Kong) and twenty-fifth worldwide in the fields of engineering, technology and computer science. CityU’s excellence in research is already well recognised, and with the increase in the quality of research students, Professor Lu believes that CityU can make further improvements in this area.

In describing the interrelationship between research, graduate studies and knowledge transfer, Professor Lu said that “The major objective of graduate studies is to nurture talents for research while research students and professors can create knowledge through innovation. Dr Geoffrey Nicholson, former research and development director at 3M, once said ‘Research is the transformation of money into knowledge while innovation is the transformation of knowledge into money’. Students always play an important role, as knowledge transfer is often achieved through spin-off companies set up by students.” He emphasised the vital role that students play in the knowledge transformation process: students create knowledge during their study, thus graduate studies, research and knowledge transfer cannot be separated.
Developing global partnerships

CityU aims to further enhance its research output by obtaining more grants from government agencies such as the Research Grants Council and the Innovation and Technology Commission, and mainland grants through the CityU (Shenzhen) Research Institute. Professor Lu is looking forward to widening and deepening CityU’s research partnerships with companies ranging from global leading companies to small emerging companies. CityU’s dedication to exploring research partnerships with leading global companies is exemplified by recently awarded contracts. Of particular note, Professor Li Qiusheng of the Department of Civil and Architectural Engineering received a contract for the Ping An Finance Centre construction safety project. Other contracts for research projects have been developed with Huawei by Dr Wang Jianpang of the Department of Computer Science, and Professor Moshe Zukerman with Dr Eric Wong of the Department of Electronic Engineering. Apart from building partnerships with global leading companies, Professor Lu stressed the importance of developing networks with small emerging companies. “Through networking with small emerging companies, we can develop schemes to help our alumni and students building enterprises and encouraging entrepreneurship during their study at CityU. We have revised the University IP policy to promote entrepreneurship and encourage students to set up new companies”, said Professor Lu. He emphasised that CityU has to develop networks of relationships at various levels from national to government agencies, regional offices and local industries. He said that such connections can be drawn on to strengthen knowledge transfer activities, encourage students’ entrepreneurship and ensure excellence in research.

A renowned mechanical engineer

Professor Lu is an internationally renowned scholar with 19 years administrative experience in research and professional education activities in tertiary education. He joined CityU in September 2010 as Chair Professor of Mechanical Engineering and Dean of the College of Science and Engineering. He graduated from the University of Technology of Compiègne, with master’s and doctoral degrees in materials science and applied mechanics. He further obtained the Diploma of Habilitation from the University of Paris VI. His research specialties include the integration of advanced materials and processing through computational simulation and computer aided design, mechanical characterisation and processing of nanomaterials, advanced structural materials, experimental mechanics and residual stress, for various key industrial sectors. He has served as a scientific consultant and collaborator for various world-leading companies in the fields of energy, aerospace and automobiles. He was elected as Academician of the National Academy of Technology of France in 2011, and as Fellow of the Hong Kong Academy of Engineering Sciences in 2013.

Professor Lu believes that CityU will continue to pursue excellence in research, to become a leading global research university and to achieve all of the targets in the University’s strategic plan.

MOU forges closer links between CityU, SIAT-CAS

A memorandum of understanding (MOU) has been signed between City University of Hong Kong (CityU) and the Shenzhen Institutes of Advanced Technology (SIAT), an extension of the Chinese Academy of Sciences (CAS).

SIAT-CAS, which was established in 2006, encourages innovations in modern equipment manufacturing and service industries, and promotes collaborations between industries and research institutions in Guangdong and Hong Kong.

The MOU, which was signed on 15 November 2013, details a framework for collaborations between CityU and SIAT-CAS in terms of the joint setting up of research centres, applying for grants, supervising PhDs, knowledge transfer and sharing resources in the areas of new energy, advanced materials, biotechnology, energy conservation and smart grid.

The MOU was signed by Professor Jian Lu, Vice-President (Research and Technology) and Dean of Graduate Studies of CityU, and Dr Lu Jiancheng, Vice-President of SIAT-CAS, during the annual meeting of the Shenzhen Virtual University Park. The signing ceremony was one of the highlights of the meeting. Professor Xue Quan, Associate Vice-President (Innovation Advancement and China Office), witnessed the signing ceremony.
New research institute establishes ties with Western China

On 5 August 2013, City University of Hong Kong (CityU) and the Shuangliu government in Chengdu signed a collaborative agreement on the establishment of the CityU Chengdu Research Institute (CityUCRI).

Chengdu, the provincial capital of Sichuan, is one of the most important economic, transportation and communication centres in Western China. Shuangliu county in the southern part of Chengdu is ranked first in terms of economic strength in Sichuan province.

Under the agreement, the Shuangliu government will provide land and construct a building for the CityUCRI, which will occupy a floor area of 15,000 square metres. The Shuangliu government will provide funding for CityU faculty and research staff to carry out research activities at the CityUCRI while CityU will coordinate grant applications and promote application-oriented research. It is anticipated that one to two research centres or platforms will be set up during the initial stage of operation, and the research output generated by the Institute will be transferred into practical applications.

Mr Gao Zhijian, Party Secretary of Shuangliu County, said it was an honour for the Shuangliu government to cooperate with CityU in setting up the research institute. The Shuangliu government emphasises science and technology development and innovative industries, and supports research on bio-medicine, new energy, high-tech manufacturing and electronic communications, he said, adding that the CityUCRI will enhance the social and economic status of the county.

Ms Tang Hua, Director for the Science and Technology Bureau of the Chengdu Municipal Government, welcomed the participation of CityU in this project. Chengdu is an important city in Western China, she said, and more and more international companies are setting up branches there, including a state-of-the-art manufacturing base to be set up by a prominent French animal medicine production company. As one of the counties in Chengdu, Shuangliu is famous for its enthusiasm for research and knowledge transfer activities. In addition, Ms Hua said that the Science and Technology Bureau of the Chengdu Municipal Government will fully support the development of the CityUCRI.

Professor Way Kuo, President of CityU, praised the collaboration with Shuangliu County. After signing the agreement, CityU will actively encourage its excellent research teams to engage in research projects at the Institute, he said.

Professor Gregory Raupp, Adjunct Professor of CityU and Director of the Macro Technology Works of the Arizona State University, was invited to join the delegation, and his research work on flexible electronics with CityU faculties will be introduced to the CityUCRI.

It is hoped that the CityUCRI will make significant progress and remarkable contributions in the near future, benefiting both the Institute and the development of Western China. The CityUCRI is the University’s second strategic platform in China for research and development, incubation and innovation and professional education and training. It is CityU’s first research institute in Western China.

Together with the CityU Shenzhen Research Institute in Southern China, these two research institutes will significantly augment our ability to bid for research funding on the mainland at both national and provincial levels. Moreover, they will promote CityU’s presence in and influence on China, contribute to knowledge transfer and enable us to recruit high-quality students for our academic programmes.

The agreement was signed by Professor Kuo and Mr Zhou Xianyi, County Mayor of the Shuangliu Government. The signing ceremony was attended by Mr Gao and Ms Tang; Ms Gan Lijun, Head of United Front Work Department; Professor Horace Ip Ho-shing, then Acting Vice-President (Research and Technology) and then Acting Dean of Graduate Studies; Professor Xue Quan, Associate Vice-President (Innovation Advancement and China Office); Professor Raupp; and Dr Hao Gang, Assistant Dean of the College of Business.

Adapted from CityU NewsCentre
CityU researchers secure record funding from the NSFC

City University of Hong Kong (CityU) performed outstandingly in the 2013 National Natural Science Fund competition.

The University secured grants for 30 projects totalling RMB15.58 million (about HK$19.75 million), an increase of 30% and 14.3% in terms of the number of projects and funding amount compared with last year.

This year, the CityU Shenzhen Research Institute (CityUSRI) submitted 88 applications and achieved a success rate of 34%, higher than the national average of 22.5%. The approved research projects are in the areas of electronic engineering, energy management and sustainability, advanced materials, life sciences and business systems, among others.

CityU Shenzhen Research Institute wins 1st runner-up in a Radio Calisthenics Contest

A team of 22 colleagues from the CityU Shenzhen Research Institute won the 1st runner-up award in the Radio Calisthenics Contest organised by the Shenzhen Virtual University Park, beating 13 other teams formed by the universities and research institutes based at the park on 25 September 2013.

Radio calisthenics is a light and full body exercise that is performed to music broadcast over the radio. The idea originated in the US during the 1920s and became popular in Japan and China. Many schools and some companies encourage their students and staff to participate in the morning before starting their studies or work to improve their health and build team spirit.

The contest aims to build morale and a sense of group unity among the staff of the universities and research institutes based at the Shenzhen Virtual University Park. It is also a means to encourage a healthy lifestyle.

Office of the Vice-President (Research and Technology)

Adapted from CityU NewsCentre
CityU wins RMB7.2 million contract to monitor the structural safety of Ping An Finance Centre

CityU has been awarded a contract valued at RMB7.2 million (approximately HK$9 million) to monitor the construction safety and structural health of the Ping An Finance Centre, the tallest building in the Greater China Region. Professor Li Qiusheng from CityU’s Department of Civil and Architectural Engineering will use his innovative monitoring system to check the structural performance during the building’s construction and to monitor the structural safety after its completion.

Ping An Finance Centre, currently under construction in the commercial centre of Futian in Shenzhen, comprises a super tall office tower and a joint commercial building. With 118 storeys above ground and five below, the office tower has an overall height of 660 metres (588 metres for the main structure). Expected to be completed in 2015, it will be the tallest building in the Greater China Region and the second tallest in the world.

Many factors, such as typhoons, rainstorms and humidity, affect the design and use of building materials for a super tall tower, and also pose challenges to the construction process. The Integrated Monitoring System developed by Professor Li and his research team is capable of addressing these issues, and won them the contract for “Construction Safety and Structural Health Monitoring for Ping An Finance Centre in Shenzhen”. Professor Li and his team will be responsible for checking the construction safety of the building structure and for providing technical advice on the health condition of the building.

To achieve these objectives, Professor Li and his team will make use of the new monitoring equipment and technology which they invented and with eight registered patents. They will also develop a new integrated system for monitoring the structural conditions of the building during and after construction. To provide accurate advice on construction and ensure compliance with the architectural design, the team is installing around 500 sensors in the building. The sensors will collect on-the-spot meteorological data on wind speed, wind pressure and temperature, together with engineering data concerning deformation, stress and the vibration of the building and its components.

To ensure the safety of the building after completion, Professor Li will use a software system developed by his team to evaluate the health condition of the entire building structure and its components based on the collected data on wind pressure and earthquake load and on the response signals of the structure.

“Our integrated monitoring system can detect deviations and potential problems early on during the construction process, which will ensure precision in building this super tall structure. After the completion of construction, the sensors will continue to collect data for maintenance and repair to ensure safety”, Professor Li said. “Our success in winning the contract exemplifies the excellence of CityU’s research and its application in actual engineering projects. Our technology can help to build taller and safer super tall buildings in the future for the benefit of society.”

Professor Li has been studying wind engineering, structural dynamics, earthquake engineering, reliability and risk assessment over many years. He has published 3 books and 226 papers in international journals. His research project titled “Wind Effects on Super Tall Buildings: Field Monitoring, Wind Tunnel Testing and Numerical Simulation” won him the 2010 First Class Award for Scientific and Technological Progress from the Ministry of Education of the People’s Republic of China. He currently serves as the associate editor of the Journal of Structural Engineering of the American Society of Civil Engineers and as an editorial board member for 10 international scientific journals.

Adapted from CityU NewsCentre
## External Grants
(Note: Report on projects funded with HK$100,000 or above)

<table>
<thead>
<tr>
<th>Funding Body</th>
<th>Project Title</th>
<th>Principal Investigator</th>
<th>Amount</th>
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<td><strong>University Grants Committee/Research Grants Council</strong></td>
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<td>NSFC/RGC Joint Research Scheme 2013-2014</td>
<td>Investigation of Antenna Design and Electromagnetic Compatibility in Radio-Frequency System-in-Package</td>
<td>Professor Leung Kwek-wa Department of Electronic Engineering</td>
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<td><strong>Government or Related Organisation</strong></td>
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<td>Innovation and Technology Commission — Innovation and Technology Fund</td>
<td>Development of Efficient Hybrid Energy System with Supercapacitor and Battery for Optimal Power and Energy Management</td>
<td>Professor Liao Shuyi Department of Information Science</td>
<td>HK$4,879,450</td>
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<td>Enhanced Plasma Generation for Plasma Etching of Printed Circuit/Wiring Board</td>
<td>Professor Paul Chu Kim-ho Department of Physics and Materials Science</td>
<td>HK$899,530</td>
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<td>Green Motion Sensors: Graphene-based Eco-Friendly Micro Accelerometers</td>
<td>Professor Li Wen Jung Department of Mechanical and Biomedical Engineering</td>
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<td>Novel Composite Polycrystalline Thin Film Solar Cell and Comprehensive Fabrication Platform</td>
<td>Professor Paul Chu Kim-ho Department of Physics and Materials Science</td>
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<td>Sustainable Conversion of Food Waste and Agricultural Residues to Gamma-valerolactone and Ammonium Sulfate</td>
<td>Professor Istvan Tamas Horvath Department of Biology and Chemistry</td>
<td>HK$989,000</td>
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<td>The Key Technologies of the Energy Storage System - Smart Battery Management System for Distributed Energy Resources</td>
<td>Professor Henry Chung Shu-hung Department of Electronic Engineering</td>
<td>HK$2,076,808</td>
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<td>Towards Intelligent Endoscopes for Automated Cancer Diagnostics</td>
<td>Dr John Mai Dzung-hoang Department of Mechanical and Biomedical Engineering</td>
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<td><strong>Shenzhen Municipal Science, Technology and Innovation Commission</strong> (深圳市科技計劃)</td>
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<td>戰略性新興產業發展專項資金</td>
<td>急性及慢性蓄積性奪卡中毒對大鼠腦神經元膽質細胞和脳認知功能損害的研究</td>
<td>Professor Li Ying Department of Biology and Chemistry</td>
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<td>基於氮化硼微納米結構的電子器件封裝用高導熱絕緣聚合物複合材料</td>
<td>Dr Zhi Chunyi Department of Physics and Materials Science</td>
<td>RMB100,000</td>
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<td>高效率並二酚聚合物太陽電池材料與器件研究</td>
<td>Dr Sun Mingliang Department of Physics and Materials Science</td>
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<td>新型複合稀土發光材料的可控合成及其光電轉換應用的基礎研究</td>
<td>Dr Wang Feng Department of Physics and Materials Science</td>
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<td>情境中多層次方面的觀點挖礦技術研究</td>
<td>Dr Raymond Lau Department of Information Science</td>
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<td>功能化納米級列構控成體幹細胞的成骨分化及機理探討</td>
<td>Professor Yang Mengsu Department of Biology and Chemistry</td>
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<td>科研研發資金項目</td>
<td>紅樹林人工濕地淨化系統的長期有效性及機制研究</td>
<td>Professor Nora Tam Department of Biology and Chemistry</td>
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<td>AREVA</td>
<td>The Role of Nanostructured Stainless Steels obtained by SMAT on the Radiation Damage Resistance</td>
<td>Professor Jian Lu, Department of Mechanical and Biomedical Engineering</td>
<td>HK$918,000</td>
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<td>Baptist Oi Kwan Social Service (BOKSS)</td>
<td>Studies on Caregivers’ Experience and the Effect of CBT Intervention for Caregivers with a Relative Suffering from Mental Illness</td>
<td>Professor Daniel Wong Fu Keung, Department of Applied Social Studies</td>
<td>HK$156,500</td>
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<td>Chiang Ching-kuo Foundation for International Scholarly Exchange (CONF) - Research Grants</td>
<td>A Study on Subgrouping of Southern Min</td>
<td>Dr Kwok Bit-chee, Department of Chinese Translation and Linguistics</td>
<td>US$38,000</td>
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<td>The Chinese Rhenish Church Hong Kong Synod Choi Wan Rhenish Integrated Children and Youth Services Centre</td>
<td>Application of Positive Psychology: Personal Growth and Development Project</td>
<td>Dr Sylvia Kwok Yuk-ching Lai, Department of Applied Social Studies</td>
<td>HK$180,000</td>
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<td>CLP Power Hong Kong Limited</td>
<td>Commercial Cooking Appliance Performance Study</td>
<td>Dr Michael Leung Kwok-hi, School of Energy and Environment</td>
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<td>Earn Extra Investments Limited</td>
<td>Design, Supply and Construction of Artificial Wetland at 16/F Sky Garden of Hysan Place</td>
<td>Dr Oscar Hui Kwan San, Department of Systems Engineering and Engineering Management</td>
<td>HK$1,949,999</td>
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<td>Hong Kong General Chamber of Social Enterprise Ltd. (HKGCE)</td>
<td>Research and Develop a Social Enterprise Certification System</td>
<td>Dr Mark Richard Haylar, Department of Public Policy</td>
<td>HK$1,053,281</td>
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<td>Hong Kong Lutheran Social Service</td>
<td>Outcome Study on the Effectiveness of Cognitive Behavioural Intervention for Parents of Students with ADHD</td>
<td>Professor Daniel Wong Fu Keung, Department of Applied Social Studies</td>
<td>HK$126,000</td>
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<td>The Institute of Electrical and Electronics Engineers (IEEE)</td>
<td>Editorship-in-Chief of the IEEE Transactions on Antennas and Propagation</td>
<td>Professor Leung Kwok-wa, Department of Electronic Engineering</td>
<td>USD180,250</td>
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<td>Mr David Zhang</td>
<td>China and World Economy</td>
<td>Dr Li Kai-wai, Department of Economics and Finance</td>
<td>HK$500,000</td>
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<td>Jubilee Diamond Instrument Ltd.</td>
<td>Gemstone Characterization Spectroscope</td>
<td>Professor Lawrence Wu Chi-man, Department of Physics and Materials Science</td>
<td>HK$421,031</td>
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<td>Lap Sing Educational Charity Funding Ltd, Perseverance Center, Win Win Business Service Centre</td>
<td>Development of a Food Waste-to-energy Pilot Technology</td>
<td>Dr Patrick Lee Kwan Hon, School of Energy and Environment</td>
<td>HK$1,500,000</td>
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<td>MTR Corp. Ltd.</td>
<td>Research Analysis of Rail-related Failures</td>
<td>Professor Lawrence Wu Chi-man, Department of Physics and Materials Science</td>
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<td>Ove Arup &amp; Partners Hong Kong Ltd</td>
<td>Cities Resilience Model: A Benchmarking Model for Developed Cities in Asia</td>
<td>Professor Johnny Chan Chung-leung, School of Energy and Environment</td>
<td>HK$220,000</td>
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<td>Climate Change Projections for Using AR5 Results</td>
<td>Dr Francis Tam Chi-yung, School of Energy and Environment</td>
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<td>Paul Y. Construction Co. Ltd.</td>
<td>Study on the Effect of Weather and Other External Factors on the Performance of Painting System Incorporating a Base Coat of Fire Resistant Paint with Varying Thickness in Outdoor Steel Structures</td>
<td>Professor Andrew Leung Yee-tak, Department of Civil and Architectural Engineering</td>
<td>HK$250,000</td>
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<td>Po Leung Kuk</td>
<td>A Provisional Study to Evaluate Existing Community Care and Support Services Provided by Po Leung Kuk</td>
<td>Dr Jacky Cheung Chau-ku, Department of Applied Social Studies</td>
<td>HK$285,000</td>
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<td>Rich Glory Industrial Ltd.</td>
<td>Advanced ER Finishing Process</td>
<td>Dr Tam Hon-yuen, Department of Mechanical and Biomedical Engineering</td>
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<td>華為技術有限公司 (Huawei)</td>
<td>下一代網絡架構和關鍵技術合作項目</td>
<td>Professor Jia Xiaohua, Department of Computer Science</td>
<td>HK$1,395,000</td>
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<td>蓄電池壽命預測技術研究合作項目</td>
<td>Professor Tsui Kwok-leung, Department of Systems Engineering and Engineering Management</td>
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<td>青州京安丹靈科技有限責任公司</td>
<td>物聯網用環境監測傳生物感器的研究</td>
<td>Dr Zhi Chunyi, Department of Physics and Materials Science</td>
<td>RMB100,000</td>
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</table>
CityU technologies displayed at the Biotech Forum in Shenzhen

Seven CityU research projects were on display at the second Shenzhen International Biotech and Innovation Forum and Exhibition held from 25 to 27 September 2013. The exhibition was co-organised by the Shenzhen Municipal People’s Government, the China Association of Pharmaceutical Biotechnology and the Shenzhen Genomics Industry Alliance. A brief description of the projects is provided below.

A Low Complexity and Customizable Architecture for Relaxation Labelling Algorithm
Dr Ray Cheung
Department of Electronic Engineering
Dr Cheung has developed a novel architecture for probabilistic relaxation labelling algorithms to be applied in image processing/recognition and bioinformatics. Dr Cheung’s architecture can handle multiple objects and labels, and at the same time reduce the time complexity. The experimental results show that the execution time of the new design is about 15 times less for five objects and about 35 times less for a 128 x 64 image block than the software implementation running on a Quad-core Intel 32 nm machine.

An Intelligent Electrocardiography Jacket Based on Microfabrication of Elastomers for Long-term Monitoring of Heart Disease Patients
Dr Raymond Lam
Department of Mechanical and Biomedical Engineering
Dr Lam has developed an ECG jacket capable of continuously recording heart activity and providing the earliest indication of myocardial infarction in patients with heart disease. Polymethylsiloxane (PDMS) is used as an interface material between textile products and highly integrated electronic circuits, making the technique conducive to the development of intelligent clothes. Apart from the ECG jacket, Dr Lam’s technology can be used to measure electromyography (EMG), i.e. signals from muscle contraction and relaxation, and thus can be applied in sports science.

Bio-manipulation and Bio-marking by Optically-induced Electrokinetics
Professor Li Wen Jung
Department of Mechanical and Biomedical Engineering
Professor Li’s research group at CityU and the Shenyang Institute of Automation jointly developed Hong Kong’s and China’s first integrated optically induced dielectrophoresis (ODEP) platform for cell manipulation, separation and assembly. The research teams discovered that self-induced rotational motion of cancer cells is possible, suggesting that ODEP may be used as a biomarking tool for the detection and isolation of cancer cells. The operational cost of the novel platform is at least 10 times less than that of laser-based cell manipulators and does not cause damage to the cells.

Mechanically Robust Fast-dissolving Microneedles for Transdermal Drug and Vaccine Delivery
Dr Chen Xianfeng
Department of Physics and Materials Science
Fast-dissolving microneedle arrays can be used for skin delivery of vaccines and drugs, but their application is limited by their low mechanical strength. Dr Chen’s polymer microneedles are treated with nano-additives to strengthen their mechanical properties without compromising the dissolution rate within the skin. The technique is painless, convenient, efficient and safe, and leaves no sharp waste after application.

Prediction of Biomolecular Interactions and Drug Resistance
Professor Yan Hong
Department of Electronic Engineering
Professor Yan’s research group has developed a molecular modelling based technique for predicting cancer drug resistance and interactions between proteins and proteins, proteins and DNA and proteins and ligands. The method supports optional matching of the geometric and energetic features of two molecules. It is conducive to drug development, cancer drug resistance analysis and comprehensive analysis of protein mutants.

Electrogastrogram (EGG) System
Professor Xi Ning
Department of Mechanical and Biomedical Engineering
Professor Xi’s EGG system is a non-invasive tool for gastric myoelectrical activity acquisition and analysis. It investigates the characteristics of the spike potential to provide information about the intensity of gastric motility. Possible applications include the diagnosis of gastric functional abnormalities. EGG-based stimuli can be used as electric feedback to treat nausea, vomiting or functional dyspepsia. The system also supports medical research.
Hands-on exhibits draw crowds at InnoCarnival

Senior government officials and dignitaries experienced first-hand groundbreaking technologies developed by researchers at CityU during a flagship innovation and technology exhibition at the Hong Kong Science and Technology Parks from 2 to 11 November.

InnoCarnival 2013 was the flagship event of InnoTech Month 2013 organised by the Innovation and Technology Commission (ITC) of the Hong Kong Special Administrative Region (HKSAR) Government from 18 October to 7 December. The aim of the event was to enhance public understanding of, and interest in, innovation and technology, particularly amongst the younger generation.

Visitors to the CityU booth included Mr John Tsang Chun-wah, Financial Secretary of the HKSAR Government, the Hon Charles Mok Nai-kwong, Legislative Councillor, and Ms Janet Wong Wing-chen, Commissioner for Innovation and Technology.

On display were technologies such as robots developed by Professor Xi Ning, Head and Chair Professor of Mechanical Engineering in the Department of Mechanical and Biomedical Engineering, and his team. Visitors could have a go at operating the quadrocopter, a rotorcraft propelled by four rotors which is equipped with inertial measurement units and ultrasonic distance sensor. The quadrocopter can conduct aerial photography, damage inspection, and remote surveillance.

The second robot on display was a mobile manipulator made up of a mobile robot and a manipulator arm that can detect explosives, defuse bombs, clean up toxic waste, and operate in dangerous or harsh environments.

Dr Howard Leung Wing-ho, Assistant Professor in the Department of Computer Science, used interactive games to raise awareness of environmental protection by encouraging users to save paper and read e-books. Users had to use hand movements to “brush off” the characters on a screen to prevent them from approaching the printer.

About half of the projects on display were developed by students who were supervised by faculty members. Except for the robots, which require training to control, all the other exhibits could be operated by hand, and visitors found the installations and their demonstrations entertaining.

SoloTouch was developed by Jackie Chui Yi-tang and Mubarak Murafa under the supervision of Dr Samson Young Kar-fai, Assistant Professor in the School of Creative Media. This musical device allows inexperienced guitar players to play music resembling blues and rock. It comes with an iPhone app for controlling the device and rendering special effects.

Bananas and pianos seem an unlikely combination, but they nevertheless make an interesting pair. The banana piano installed by George Ho Cho-cheong and Chan Tsz-yu under the supervision of Dr Oscar Au Kin-chung, Assistant Professor in the School of Creative Media comprises real bananas, an Arduino board, electronic components and portable speakers. The installation was particularly popular among young teenagers. An Arduino is a single-board microcontroller that allows users greater control over electronics in multidisciplinary projects.

Another invention developed by the students of the School of Creative Media was Pinyin Fighter, a software tool that runs on a Flash platform. Jacky Cheung Kit and his supervisor Mr Yim Chun-pang, Teaching Fellow at the School of Creative Media, wanted to design an interactive system that makes learning Putonghua fun. The idea of developing a Putonghua learning software tool struck Jacky after he joined an exchange programme in Beijing. Users need to match a Chinese character with its corresponding Pinyin symbols through gestures and movements.

Knowledge Transfer Office
General Chamber of Commerce visits CityU labs

About 30 members of the Hong Kong General Chamber of Commerce visited CityU on 4 October 2013. The facilities visited by the Chamber were the Innovation Centre, Centre for Smart Energy Conversion and Utilization Research, Plasma Laboratory, Centre of Super-Diamond and Advanced Films, Laboratory for Organic Electroluminescent Displays, and KEF Acoustic Centre.

The tour started with welcoming remarks by Mr Wong Hon-yee, Associate Vice-President (Knowledge Transfer) and a presentation on CityU’s technology transfer activities by Mr Tomson Lee, Senior Technology Transfer Officer. The HKGCC delegation was led by Mr K C Leung, Chairman of the HKGCC’s Industry and Technology Committee, who presented a souvenir to Mr Wong.

At the Innovation Centre, the delegates were shown advanced technologies developed by the scientists of the Department of Electronic Engineering. Dr Ray Cheung and his students demonstrated the innovative apps that they developed at the CityU Apps Lab (CAL). CAL was set up with the financial support from the University’s Idea Incubator Scheme, the UGC Communities of Practice – Technology and Creative Community, and sponsorship from several Hong Kong companies. Professor Leung Kwok-wa demonstrated the uniqueness of his glass antennae which can be fashioned into decorative items, such as a swan or a lamp cover. Professor Chiang Kin-seng explained how high-speed data transmission is supported by his optical printed circuit boards, which made possible the implementation of chip-to-chip interconnect. By using Doppler radar speed detector, Dr Ricky Lau created an interactive game that matched the speed of players’ hand movements with multimedia video resources.

At the Centre for Smart Energy Conversion and Utilization Research, Professor Henry Chung presented a quick walkthrough of the research projects undertaken by the Centre. Afterwards they made way to the KEF Acoustic Centre and talked to staff and students about their research projects. The group was impressed by the acoustics and architecture of the audio-visual room specially designed by the researchers of the Department of Electronic Engineering.

The innovative white organic light-emitting diodes (OLEDs) and nanostructures for oil absorption were the centre of attention at the Laboratory for Organic Electroluminescent Displays. Dr Roy Fung of the laboratory pointed out that they focused on the development of white OLEDs for general illumination and decorative lighting purposes. A researcher at the lab demonstrated how sponges grown with nanostructures surpassed commercial oil absorbents in absorption of spilled oil.

The trip was concluded by a visit to the Plasma Laboratory where the delegates learnt about the lab’s achievement in surface treatment of nickel-titanium surgical parts by plasma immersion ion implantation to prevent nickel release. The lab also developed memory alloys for surgically treating scoliosis.
Technologies licensed to industry and licensing service agreements

Five licensing deals were closed and two licensing service agreements signed between July and October 2013. The licensees include local, mainland and overseas companies engaged in high technology solutions, software development, manufacturing and facilities management. The two licensing service agreements concern the appointment of two mainland technology licensing organisations as agents to market CityU’s intellectual property. The licensed technologies are briefly described below.

Composite of Porous Substrate and One-dimensional Nanomaterial
Professor C S Lee
Department of Physics and Materials Science
The composite developed by Professor Lee can absorb organic solvents and grease such as lubricating oil, motor oil and crude oil. It can absorb at least 40 times its own weight of oil. The performance surpasses the oil absorption capacity of existing commercial products.

On-road Plume Chasing and Analysis System (OPCAS)
Dr Ning Zhi
School of Energy and Environment
OPCAS provides real-time measurements of tailpipe air pollutants and determines their emission rates by chasing the target vehicles. The system can be mounted on any vehicle and can be used for urban mobile source emission control and management.

Sustainable Water Treatment Technology for Reuse of Grey Water
Dr Oscar Hui
Department of Systems Engineering and Engineering Management
The technology is a highly efficient system for decomposing organic compounds into carbon dioxide and water. The system can operate at a wide range of organic compound concentrations.

The Online Platform for Teaching / (Self-) Learning of Translation and Bilingual Writing
Professor Zhu Chunshen
Department of Chinese, Translation and Linguistics
This platform is the principal output of a CityU Institutional Teaching Development Grant Project, TDG 6000304. It features a variety of genres/subject domains and real-time study progress monitoring devices. It also supports tutor-learner communication channels for online learning. The department uses the system for both classroom teaching and online self-learning at BA and MA levels.

ZigBee Advanced Metering Infrastructure (AMI) Solution
Dr K F Tsang
Department of Electronic Engineering
Dr Tsang’s AMI solution, also known as “Natural”, is a server platform that concurrently interacts with multiple front-end AMI systems to perform metering, energy auditing and energy management.
Four speakers were invited to speak on human interface technologies at the Emerging Technologies Forum held on 26 July 2013. Human interface technologies study the ways in which human beings comprehend and interact with tools, devices and their environment, and are therefore essential to technologies that call for “user-friendly” designs.

The four speakers were Dr Oscar Au of CityU’s School of Creative Media, Dr Joseph Mak, Senior Research Scientist of Neurosky Hong Kong Co Ltd, Professor Li Wen Jung of CityU’s Department of Mechanical and Biomedical Engineering, and Dr Cannie Lam, General Manager of the Sustainable Development Department of Leo Paper Group. A summary of their lectures is provided below.

**Multitouch Gestures for Constrained Transformation of 3D Objects**

*by Dr Oscar Au*

Transformation widgets allow users to turn 2D objects into 3D representations, but most transformation widgets are not designed for use on multitouch screens. To solve the problem, Dr Au developed an interface that does not require a widget, thus precluding the use of handles and minimising visual clutter. It is applicable to screens of any size and touch location. The transformation is seamless because only a single gesture is needed to perform the manipulation.

**Fusing MEMS and Optical Sensors for Human Interface Technology**

*by Professor Li Wen Jung*

Professor Li’s presentation started off with an introduction to MEMS, short for microelectromechanical systems, an enabling technology for the fabrication of micro-machines such as small-scale sensors. He discussed the benefits of combining MEMS motion sensors and inertial measurement units (μIMU), a technique applicable to airbag jackets, helmets and 3D digital pens. There is a huge market for airbag jackets and helmets, considering the growing elderly population in China and most of the developed countries worldwide. Body positions and movements are captured by MEMS sensors and the sensor signals are filtered in real time to initiate the inflation of airbags if needed. Other applications include handwriting and gesture recognition for digital home entertainment applications.

**Beyond Boundaries: Applying our Minds to Human-interface Technology**

*by Dr Joseph Mak*

Dr Mak’s lecture gave an overview of the mechanism and application of active and passive brain-computer interfaces (BCIs). Active BCIs allow the manipulation of external devices by brain signals, pre-empting the usual neuromuscular pathways that translate brain signals into movements. A passive BCI serves to detect mental states instead of control devices. It can be used to monitor mental effort, meditation and concentration. The use of BCIs is not restricted to clinical and healthcare uses, but can also be applied to entertainment and education. The future of BCIs is promising, as seen in the development of miniscule biosignal processing chips that only measure 3 x 3 mm.

**Human-Paper Interaction: How Traditional Printing Industry Interacts with Modern Society**

*by Dr Cannie Lam*

Dr Lam’s lecture revealed how technological innovation and human ingenuity have worked together to create new sensory experiences through paper products. For example, paper can be processed to imitate the texture of leather, emit fluorescence or give off a scent when pressure or heat is applied. The potential of paper is further enhanced by the integration of paper technology with interactive elements and electronic technology.
CityU’s contribution to knowledge transfer highlighted at innovation conference

CityU’s contribution to innovation through curricular reform and knowledge transfer was highlighted at the Hong Kong Tipping Point Conference on Innovation organised by the Business and Professionals Federation (BPF) on 6 September 2013.

Leaders and professionals from academia and the business sector gathered at the conference to explore innovative strategies to nurture innovation. Professor Arthur Ellis, Provost of CityU, and Professor Horace Ip Ho-shing, then Acting Vice-President (Research and Technology), attended the event, held at Hotel Icon in Tsim Sha Tsui.

In his plenary address, Professor Ellis talked about how the new discovery-enriched curriculum would “encourage students to create new knowledge, and to cultivate, curate and communicate that knowledge”.

In addition to curricular reform, the University promotes innovation through research and commercialisation. On display at the conference was ‘Paper Saver’, a technology developed by Dr Howard Leung of the Department of Computer Science, which allows users to use their body movements rather than a mouse or keyboard to control an interface. Mr Tomson Lee, Senior Technology Transfer Officer of CityU’s Knowledge Transfer Office, said that visitors had shown keen interest in the invention.

Professor Ip is pleased with the attention accorded to CityU’s efforts to spearhead innovation. “With the joint effort of different offices, we will continue to grasp every opportunity to showcase CityU’s strengths and intellectual resources ready for transfer to the community.”

Patents recently granted to CityU

Solvatochromic molecularly imprinted polymer for chemosensing

US patent: 8338553
PI: Dr Michael Lam
Department of Biology and Chemistry

Molecularly imprinted polymer (MIP)-based chemosensing detects target substances by binding the molecular entities of specific shapes, rather than their chemical functionality, to yield measurable signals. As a result, analytes that lack intermolecular interaction with a signal transducer or functional monomer cannot be easily detected by MIP-based chemosensing. To solve the problem, Dr Lam and his team developed a solvatochromic functional monomer that can be incorporated as a signal transducer to form a reporter site within the MIPs. The salvatocrhomic functional monomer is highly sensitive to changes in the media polarity of the receptor micro-environment when an analyte enters the reporter site by displacing the solvent molecules originally accommodated inside the receptor site. The displacement results in significant changes in the colour and luminescent properties of the solvatochromic functional monomer detectable by the naked eye.

Nitridoosmium (VI) complexes for the treatment of cancer (jointly owned with The University of Hong Kong)

US patent: 8383673
PI: Professor Lau Tai Chu
Department of Biology and Chemistry

This invention offers an alternative to cisplatin, a platinum compound used to treat cancer. Although widely used in cancer treatment, cisplatin can cause undesirable side effects and toxicities. Many solid tumours that initially respond to platinum-based therapy become resistant. To alleviate the problem, the research team developed nitridoosmium compounds that can treat or prevent tumour growth caused by cells that are resistant to cytotoxic drugs such as cisplatin. Nitridoosmium compounds have been found to exhibit cytotoxic activity against several types of cancer cell lines.

Knowledge Transfer Office
France-Hong Kong Distinguished Lecture on Confucian Orthodoxy to Chinese Modernity

Professor Anne Cheng, a world-renowned scholar on the intellectual history of China and Confucianism, delivered a lecture titled “From Confucian Orthodoxy to Chinese Modernity” in the France-Hong Kong Distinguished Lecture Series. The lecture was held on 16 October 2013 at Connie Fan Multi-media Conference Room.

During the lecture, she talked about how views of Confucian values had changed, from being regarded as an obstacle to economic reform and modernisation in the early twentieth century, to being praised as one of the keys to economic growth in East Asia by the end of the century.

Professor Paul Lam Kwan-sing, then Acting President, and Professor Jian Lu, then Dean of the College of Science and Engineering, welcomed the guests, staff and students participating in the lecture. Mr Arnaud Barthelemy, Consul General of France in Hong Kong and Macau, delivered an opening speech in which he thanked CityU for co-organising the lecture and inviting the most distinguished scholars in France. The lecture ended with a dynamic question and answer session.

Distinguished Lecture on the cause of autoimmune and allergic diseases

Professor Jean-François Bach, Permanent Secretary of the French Academy of Sciences, Member of the French National Academy of Medicine and Member of the British Academy of Medical Sciences, gave a lecture at another France-Hong Kong Distinguished Lecture Series, entitled “The Cause of Autoimmune and Allergic Diseases” at CityU on 6 November 2013.

In the lecture, Professor Bach talked about the increasing incidence of autoimmune and allergic diseases worldwide, especially in developed countries. Reasonably strong evidence has recently emerged of a causal relationship between the decline of infectious diseases in industrialised countries and the increase in immunological disorders. He also said that environmental factors appeared to be another cause of autoimmune and allergic diseases. He further suggested that children who are less exposed to infectious agents while growing up are more likely to develop allergic diseases as their immune systems do not have the chance to develop naturally.

This lecture is part of the France-Hong Kong Distinguished Lecture Series, which has been held since 2005 under the auspices of the Consulate General of France in Hong Kong and Macau, the Legion d’Honneur Club, the French Academy of Sciences and CityU.
Honorary doctorate recipients deliver thoughtful lectures at CityU

A series of lectures was delivered by two prominent scholars, Dr Yukio Hatoyama and Professor Myron S. Scholes, on 13 November 2013. The scholars had received a CityU Honorary Doctorate in Law and an Honorary Doctor of Letters respectively, the day before their talks.

Dr Yukio Hatoyama, President of the East Asian Community Institute and the ninety-third Prime Minister of Japan, delivered a lecture entitled “My Vision for the East Asian Community”. In the lecture, Dr Hatoyama emphasised that he would like to contribute to improving the relationship between Japan and China and reassured the audience that Japan has a duty to spread the doctrine of non-militarism around the world. During the lecture, he apologised for the deaths of Chinese civilians in Nanjing, “As a Japanese citizen, I feel that it is my duty to apologise for even one Chinese civilian brutally killed by Japanese soldiers and that such action cannot be excused by saying that it occurred during war.” Dr Hatoyama said that building an East Asian Community was his dream and he did not think this dream was unattainable. To achieve this goal, countries need to build up functional networks within the region and to make cooperative progress in a wide range of fields including trade, investment, finance, education and environmental issues.

In the afternoon, Professor Myron S. Scholes, recipient of the 1997 Nobel Laureate in Economic Sciences and the Frank E Buck Emeritus Professor of Finance at Stanford University, delivered a lecture entitled “Global Economy: Post the Global Financial Crisis”. In the lecture, Professor Scholes presented a range of possible scenarios for the global economy over the next few years. He provided an overview of the big issues of the past decade: China’s entry into the World Trade Organisation, which resulted in a growth boom; the downturn of the world economy after the 2008 financial tsunami; the US 9/11 attack, which resulted in war and the fiscal/monetary stimulus that led to monetary excess, lax regulations, asset bubbles and crisis; and the Euro-created consumption/asset inflation boom in the periphery of Europe. Yet all of these will reverse in this decade, as the US will experience growth due to insourcing through technological advances that will make the country more competitive; new sources of energy will become available and the use of new technologies will also benefit the US; and the internationalisation of the Renmibi will create new opportunities for China. Finally, Professor Scholes emphasised that the outlook for the economy is unclear due to the worldwide problem of aging populations.

Both lectures were delivered to a full house in the 600-capacity Wong Cheung Lo Hui Yuet Hall.

Renowned expert on metallic alloys delivers distinguished lecture at CityU

On 9 October 2013, Professor Akihisa Inoue, Special Adviser to the Chancellor and Director of the International Institute of Green Materials at Josai University Educational Corporation in Japan, delivered an enlightening lecture entitled “Development and Applications of Bulk Glassy Alloys” at CityU.

In the lecture, Professor Inoue talked about the development history of bulk glassy alloys, their alloys systems and alloy components, structure and the subsequent findings of new bulk glassy alloys systems. The high stability of metallic supercooled liquid has opened up new fields of investigation in basic science and yielded new engineering applications. The lecture was held in the Connie Fan Multi-media Conference Room and attracted full house. The lecture was ended with a question-and-answer session.
CityU Research Excellence Awards 2013

The CityU Research Excellence Awards (REA) 2013 were presented to three distinguished scholars at the University Congregation in November 2013. The Excellence Awards were conferred on Professor Xue Quan and Professor Leung Kwok-wa, both from the Department of Electronic Engineering, and the Certificate of Merit was awarded to Professor Yang Zhilin from the Department of Marketing.

Professor Xue has an excellent research track record. He has studied microwave circuits and antennas for many years, and has more than 300 journal papers published in top-tier journals in the field. In 2012, he published 35 journal and conference papers and received more than 600 citations by others. He has five licensed patents and his outstanding achievements in advancing millimeter wave technologies and applications demonstrate his contributions to technology transfer and his influence on industry. Professor Xue and his colleagues facilitated the establishment of the State Key Laboratory of Millimeter Waves at CityU in 2008, providing CityU with top-level research facilities, and he has contributed to co-operations with mainland research institutions.

Professor Leung is a leading scholar in antenna theory and an active researcher in the application of dielectric materials. He has published over 130 academic papers, with more than half in IEEE journals. He was appointed as an IEEE Distinguished Lecturer for his highly commendable research achievements. As Principal Investigator, he has been awarded 15 General Research Fund/Competitive Earmarked Research grants, one National Natural Science Foundation of China grant and 10 CityU Strategic Research grants, with a total of over HK$11 million.

Professor Yang is well known internationally for his research on governance strategies in marketing channels and online service marketing. He has built and tested an institutional-based, legitimacy-embedded efficiency model for business marketing and developing a reliable instrument for measuring online service quality. His research on online services has enhanced understanding of customer switching costs and thus customer relationship management online.

The REA, which is to be held annually, aims to recognise and reward research excellence at CityU, to emphasise the University’s commitment to create an environment conducive to high quality research at an internationally competitive level and to enhance the University’s performance in the delivery of its research agenda.

Office of the Vice-President (Research and Technology)
To familiarise new taught postgraduate students with CityU, its environment, people and resources, the Chow Yei Ching School of Graduate Studies (SGS) organised a Taught Postgraduate Student Orientation in the Chan Tai Ho Multi-purpose Hall on 31 August 2013. The programme, which aims to introduce new students to the learning environment at CityU and the range of student support services offered by the various units of the University, attracted close to 1,000 students.

The programme kicked off with a warm welcome from Professor Horace Ip Ho-shing, then Acting Vice-President (Research and Technology) and then Acting Dean of Graduate Studies. Professor Hui Yer-van, Associate Dean of SGS, gave a presentation highlighting the key issues related to taught postgraduate studies at CityU. Mrs Roslyn Li, Associate Director of Student Development Services (SDS), advised students on how they can benefit from the services offered by SDS, and Ms Wei Jinjin, General Secretary of the CityU Postgraduate Association (CUPA), introduced the Association’s activities and services to the audience. Lastly, Miss Phobe Cheng of the Mainland and External Affairs Office (MEAO) gave a tailor-made arrival briefing to the non-local students. In addition to the informative presentations, students had the opportunity to meet Deans and Programme Leaders and mingle with their fellow classmates during the tea reception. Representatives of CUPA, the Library, MEAO, SDS and SGS also set up enquiry desks to offer useful information and advice to students.

Chow Yei Ching School of Graduate Studies
Orientation for research students cum awards presentation

To extend a welcome to new students and familiarise them with issues related to their studies, the Chow Yei Ching School of Graduate Studies (SGS) organised an orientation cum awards presentation event for new research degree students on 17 September 2013. Close to 200 participants attended the event.

The event began with a welcome speech delivered by Professor Horace Ip Ho-shing, then Acting Vice-President (Research and Technology) and then Acting Dean of Graduate Studies. He was delighted to announce that CityU has progressed remarkably in both the world and the Asian university rankings in recent years. He reminded students to be prepared for the hardships of study during the years ahead and encouraged them to work for success through perseverance. Professor Hui Yer-van, Associate Dean of SGS, then gave an overview of research studies at CityU. By citing “I Have a Dream”, the theme of a public speech delivered by Martin Luther King 50 years ago, he inspired students to have passion in pursuit of their dreams. Dr Mike Yao, one of the Hall Masters, encouraged students to strike a balance between study and social life through his presentation entitled “Striving for a Study-Life Balance”. Ms Wei Jinjin, General Secretary of CityU Postgraduate Association (CUPA), introduced CUPA’s services and wide range of activities to the audience.

The orientation event was followed by the 2012/2013 Awards Presentation ceremony, in which 22 Chow Yei Ching School of Graduate Studies Entrance Scholarships, 4 Chow Yei Ching School of Graduate Studies Scholarships, 7 Outstanding Research Thesis Awards and 110 Outstanding Academic Performance Awards were presented to the awarded students. The event closed with a leisurely tea reception, where new students had the opportunity to meet the faculty and senior students.

Academic partnership between CityU and University of Chinese Academy of Sciences and Lanzhou University

As part of CityU’s strategic move to jointly supervise high quality research students from key universities in the mainland, a delegation from the Chow Yei Ching School of Graduate Studies led by Professor Horace Ip Ho-shing, then Acting Vice-President (Research and Technology) and then Acting Dean of Graduate Studies, recently completed a visit to the University of Chinese Academy of Sciences (UCAS) and the University of Lanzhou (LZU) in mid-September 2013.

The purpose of the visit was to finalise the details of the collaborations, which would offer joint PhD programmes between CityU and UCAS and between CityU and LZU. During the visit, representatives from both universities shared their experiences and exchanged ideas on preparing the agreements for the joint PhD programmes.

Following the meeting with representatives of Lanzhou University, Professor Ip and CityU’s delegation visited the Key Laboratory of Mechanics on Disaster and Environment in Western China at Lanzhou University.
CityU School of Graduate Studies promotes internationalisation of graduate studies

To further advance CityU’s efforts in internationalisation and to raise CityU’s profile to attract high quality students through the Hong Kong PhD Fellowship Scheme, established by the Research Grants Council, the Chow Yei Ching School of Graduate Studies (SGS) participated in the World Grad School Tour 2013 exhibition. The tour comprised a series of fairs organised to help tertiary institutions worldwide recruit international students for postgraduate programmes in all disciplines.

The fairs took place from early September to November 2013 in 10 cities, namely Toronto, Montreal, Moscow, St Petersburg, London, Milan, Cologne, Frankfurt, Kuala Lumpur and Ho Chi Minh City. SGS took the opportunity to publicise CityU’s postgraduate programmes to a global audience, aiming to improve the international mix of research and postgraduate students. The fairs were well received by visitors and potential students.

Internationalisation of graduate studies

As part of the University’s continuous dedication to internationalisation, a delegation from the Chow Yei Ching School of Graduate Studies visited three major institutions in Denmark in June 2013. To continue the discussion on the future postgraduate student exchange, a delegation from the University of Aarhus of Denmark visited various colleges and departments at CityU on 13 September 2013.

The Danish delegation consisted of Professor Anders Møller, Professor Jens Kargaard Madsen, Ms Merete M Christensen and Mr Thomas Nielsen from the University of Aarhus. They had a fruitful and in-depth meeting and discussions with representatives from the School of Graduate Studies, the College of Science and Engineering, Department of Electronic Engineering, Department of Civil and Architectural Engineering, Department of Mechanical and Biomedical Engineering, Department of Computer Science and the School of Energy and Environment.
New CUPA affiliated associations

The 17th CUPA executive committee strives to make campus life more enjoyable and meaningful for CUPA members. Following a suggestion of the members, the 17th CUPA executive committee began to recruit CUPA affiliated associations at the beginning of this semester, and to date, 10 CUPA affiliated associations have been established and have begun to offer various activities/classes to affiliated association members. The largest affiliated association, the CUPA Yogi-Yoga club, now has more than 300 registered members and is providing free weekly yoga classes for members. The list of CUPA affiliated associations is provided on the right hand side and interested members can register through the link provided. CUPA will continue to register affiliated associations to provide more associations and interest clubs for CUPA members.

CUPA Orientation Night

Around 150 new postgraduate students attended the CUPA Orientation Night at the City Top on 8 September 2013. Professor Paul Lam Kwan-sing, then Vice-President (Student Affairs) and Dr Raymond KH Chan, Dean of Students, attended the orientation night and had a good time meeting the new CityU postgraduate students.

The orientation kicked off with an opening speech by the CUPA President, Mr Peng Yu. He introduced CUPA to the new students and stated that the goal of CUPA is to ensure greater communication between postgraduate students, student groups, faculty associations, faculty members and the University administrators. As CUPA exists for postgraduate students, it cannot function without their voices. Professor Lam, gave a welcome speech and shared his personal postgraduate study experiences with the new students.

During the orientation, the attendees enjoyed singing, dancing and magic performances. Three rounds of lucky draws pushed the night to a climax.

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New CUPA affiliated associations

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