

# 30 Years of Research and Innovation@CityU

At its **30th Anniversary**, City University of Hong Kong (CityU) is showcasing its research history and excellence with

Exhibits from 33 diverse research centres...

2 strategic platforms in China: CityU Shenzhen Research Institute and CityU Chengdu Research Institute...

2 State Key Laboratories approved by the Ministry of Science and Technology...

Demonstration of a flying robot...

Presentations on research, knowledge transfer, research student achievements over the past 30 years and much, much more...

香港城市大學(城大)創校30年,一向致力推動應用主導的科研工作,並積極與產業界建立緊密的合作關係,為社會發展貢獻力量。於 30 Years of Research and Innovation @CityU 活動中,您不單可以瞭解城大過去30年在科研上的蜕變及進步,亦同時認識到城大及城大深圳研究院所有科研中心、知識轉移處、周亦卿研究生院及城大成都研究院的發展。是次活動內容包括展覽及科技論壇,介紹最新的科研項目及成果。

Date:

22 September - 3 October 2014

(Detailed information about the exhibits and technology demonstrations

will be available from 22 to 24 September)

Time:

10:30am - 5:30pm

Venue:

3/F, Academic 3, City University of Hong Kong

Language:

Mainly in English

日期:

2014年9月22日至10月3日

(9月22-24日展覽期間,將有現場講解及示範)

時間:

上午10:30至下午5:30

地點:

香港城市大學學術樓(三)3樓

語言:

以英文為主



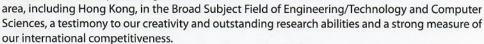


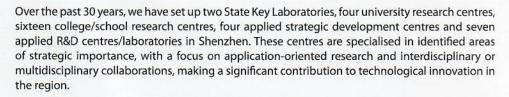
#### **Foreword**

2014 is a year to celebrate!

We have launched a year-long series of programmes and activities that characterise the lively intellectual exchanges that flourish at City University of Hong Kong (CityU). Now it is time to celebrate an area that the University is most proud of: research activities and knowledge transfer.

Since its modest beginning in 1984, CityU has grown from a small institution into a global university that embraces science, technology, and innovation. It is ranked 4th in the world's top 50 universities under 50 years of age and ranked 1st in the Greater China





Next, the CityU Chengdu Research Institute is the University's second strategic platform in China for research and development, incubation and innovation, and professional education and training, and the first one in the western region of China. It focuses on applied research and transferring valuable know-how into practical use, benefiting society at large.

**30 Years of Research and Innovation@CityU** comprises exhibitions and technology forums, giving you a view of the past and a glimpse of the future, promoting CityU's research history and the inspiring achievements of our research centres in terms of product development and advanced technology.

We hope that you will enjoy this event and we welcome your guidance, support and enthusiasm at all our 30th Anniversary events!

#### Dr Norman LEUNG Nai-pang

Pro-Chancellor & Chairman of the 30th Anniversary Organising Committee City University of Hong Kong

### **Kick-off Ceremony**

A Kick-off Ceremony will be held to unveil the **30 Years of Research and Innovation © CityU** event, and you are most welcome to join and share this special occasion with us.

Date:

22 September 2014 (Monday)

Time:

10:00am

Venue:

Wong Cheung Lo Hui Yuet Hall, 5/F, Academic 3, City University of Hong Kong

Tea reception will start at 9:30am.

### **Technology Forums**

Venue Wong C

Wong Cheung Lo Hui Yuet Hall, 5/F, Academic 3, City University of Hong Kong

Time:

2:30pm - 5:30pm

Language: English

- Limited seats are available for each forum, please register via www.cityu.edu.hk/vprt/innovation in advance. Seats are offered on a first-come-first-served basis.
- Tea reception will start at 2:00pm before each forum.

# Forum Title: Advanced Materials for Better Quality of Life 22 September 2014 (Monday)



Chair:
Prof WANG Xunli
Head
Department of Physics and Materials Science
City University of Hong Kong



Materials Discovery and Design: The Enabling Role of Computational Modeling Prof Mark ASTA Professor and Chair Department of Materials Science and Engineering University of California, Berkeley



Competing Interactions at the Local Scale: Exploring Nature Prof Despina LOUCA Professor Experimental Condensed Matter Physics Department of Physics University of Virginia



Development of Multifunctional Materials for Biomedical Applications Dr Peggy LO Assistant Professor Department of Biology and Chemistry City University of Hong Kong



Advanced Light Emitting Nanomaterials
Prof Andrey ROGACH
Chair Professor of Photonic Materials
Department of Physics and Materials Science
Founding Director of the Centre for Functional
Photonics (CFP)
City University of Hong Kong



Functional Materials for Plastic Sensor and Memory Dr Roy VELLAISAMY Associate Professor Department of Physics and Materials Science City University of Hong Kong

## Forum Title: Food, Energy, and the Environment 23 September 2014 (Tuesday)



Chair:
Prof LAM Kwan Sing Paul
Director
State Key Laboratory in Marine Pollution
City University of Hong Kong



Magnificent and Mystical Marine Turtles: Cultural Links to Conservation Mr George BALAZS Vice-Chair for the Oceania Region of the IUCN Marine Turtle Specialist Group



Smart Energy Saving Apparatus
Prof Henry CHUNG
Professor
Department of Electronic Engineering
Director of Centre for Smart Energy Conversion
and Utilization Research
City University of Hong Kong



Analytical Tools for Environmental and Food Safety Applications Prof Michael LAM Professor Department of Biology and Chemistry City University of Hong Kong



Genetically Modified Crops: Monster or Saviour? Dr LAM Yun Wah Associate Professor Department of Biology and Chemistry City University of Hong Kong



Conservation of Horseshoe Crabs
Dr Paul SHIN
Associate Professor
Department of Biology and Chemistry
City University of Hong Kong
Co-Chair, IUCN Horseshoe Crab Specialist
Graun

Forum Title: Advanced Manufacturing 24 September 2014 (Wednesday)



Chair:
Prof SUN Dong
Head
Department of Mechanical and Biomedical Engineering
City University of Hong Kong



Composites via Improved Manufacturing Processes Prof MAI Yiu Wing University Chair & Professor of Mechanical Engineering Centre for Advanced Materials Technology (CAMT) School of Aerospace, Mechanical and Mechatronic Engineering J07 The University of Sydney

Enhancing Mechanical Performance of



Cooperative Control of Multi-Agent Systems Prof FENG Gang Associate Provost (PRVT) Chair Professor of Mechatronic Engineering Department of Mechanical and Biomedical Engineering City University of Hong Kong



Learning from Real Issues-Toward New Generation of Industrial Robots Prof Kazuhiro KOSUGE Professor Department of Bioengineering and Robotics Graduate School of Engineering Tohoku University



A Quality Journey: From Manufacturing to Field Operations with PHM Prof TSUI Kwok Leung Head and Chair Professor of Industrial Engineering Department of Systems Engineering and Engineering Management City University of Hong Kong



Optically-Induced Electrokinetics:
A Digital Path to Cancer Cell
Manipulation, Patterning, and
Differentiation
Prof LI Wen Jung
Chair Professor of Biomedical
Engineering
Department of Mechanical and
Biomedical Engineering
City University of Hong Kong

# Forum Title: Wireless Technologies: from Microwaves to Terahertz Waves 25 September 2014 (Thursday)



Chair:
Prof CHAN Chi Hou
Director
State Key Laboratory of Millimeter Waves
City University of Hong Kong



Terahertz Technology and its Applications
Dr Goutam CHATTOPADHYAY Principal Engineer/ Scientist
NASA-Jet Propulsion Laboratory
Visting Professor of the Division of Physics, Mathematics, and Astronomy
California Institute of Technology



Art of Mixing and Hybridization in Engineering Prof WU Ke Poly-Grames Research Center Department of Electrical Engineering Ecole Polytechnique (University of Montreal) Center for Radiofrequency Electronics Research (CREER)



Transparent Antennas: From 2D to 3D Prof LEUNG Kwok Wa Professor Department of Electronic Engineering City University of Hong Kong



Multiple-Access in Large MIMO Systems Prof LI Ping Chair Professor of Information Engineering Department of Electronic Engineering City University of Hong Kong



Wideband Antennas for Modern Wireless Communications Prof LUK Kwai Man Chair Professor of Electronic Engineering Department of Electronic Engineering City University of Hong Kong

#### Come and Win a Gift

In addition to an eye-opening experience brought by the 30 Years of Research and Innovation@CityU event, you can also receive a nice gift (8GB USB Flash Drive) by getting a pass in a quiz after touring around the exhibition. You will receive a gift redemption message if you answer 7 out of 10 questions correctly. Please present the redemption message to the reception counter to get your prize. Gift redemption is on first-come-first-served basis. Offer valid from 22 till 26 September 2014 while stocks last.



### **Adverse Weather Arrangements**

**30 Years of Research and Innovation@CityU** will be cancelled if typhoon signal no. 8 or above/black rainstorm warning is hoisted at or after 7:00am on the event days. Exhibition will open 2 hours after the typhoon signal no. 8 or above/black rainstorm warning is cancelled.

Technology Forums will be cancelled if typhoon signal no. 8 or above/black rainstorm warning is hoisted at or after 12:00noon.

### **Enquiries**

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