

HONG KONG ACADEMY OF ENGINEERING SCIENCES Distinguished Lecture



Andy Hopper is Professor of Computer Technology and Head of Department of the Computer Laboratory at the University of Cambridge and President of IET. His research interests include computer networking, pervasive and sensor-driven computing, and using computers to ensure the sustainability of the planet. He has worked for multinational companies and co-founded over a dozen spin-outs and start-ups, three of which floated on stock markets. He is Chairman of RealVNC Group and Ubisense plc which between them have received five Queen's Awards for Enterprise. A Fellow of the Royal Academy of Engineering and of the Royal Society, Professor Hopper was made a CBE in 2007 for services to the computer industry.



Lionel M. Ni is Chair Professor in the Department of Computer Science and Engineering at the Hong Kong University of Science and Technology. He was Chief Scientist of the China National 973 Programme on wireless sensor networks, and is participating in a new Big Data programme. A fellow of IEEE and Hong Kong Academy of Engineering Sciences, Professor Ni has published widely and his papers have been highly cited. He holds seven US/China patents with another 15 pending, and has received multiple Research Excellence Awards from China's State Council.

SMART CITY

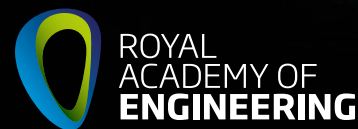
Computing for the Future of the Planet

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We are moving into a world of digital ubiquity, where technology is increasingly integrated into our lives, society and the urban systems. Smart Cities and Big Data promise efficiency, wellbeing and opportunities but at the same time raise security concerns. What role can computing play for a sustainable future of our planet?

This lecture brings together two leading experts from the two Academies to rethink the potentials and limitations of the new frontier. Professor Hopper will outline his vision on the big picture and look into the framework for computing in dealing with sustainability of our world from a global perspective. Professor Ni will cite examples to illustrate the economic opportunities and address the technical and political challenges underlying Smart Cities and Big Data.

You are cordially invited to join this inspiring event on our digital future.

Hong Kong Academy of Engineering Sciences

Founded in 1994 by eight distinguished engineers in Hong Kong under the leadership of the Hon Sir SY Chung, GBM FEng JP, the Hong Kong Academy of Engineering Sciences is an organisation of Hong Kong's most eminent engineers of various disciplines and leaders of the profession with distinguished achievements in engineering sciences or applications. It aims to promote the advancement of science, art and practice of engineering for the benefit of the public, and to pursue excellence in all fields of engineering.

The Royal Academy of Engineering

The RAE is UK's national academy which brings together the country's most eminent engineers from all disciplines to promote excellence in the science, art and practice of engineering.

Saturday, 9 November 2013, 10:00am

Cheung On Tak Lecture Theatre

The Hong Kong Polytechnic University,
Hung Hom, Hong Kong

PROGRAMME

10:00am	Opening Speech by Professor Joseph HW Lee , HKAES President
	Welcome Address by Guest of Honour Professor Timothy Tong , President of The Hong Kong Polytechnic University
	"Computing for the Future of the Planet" Lecture by Professor Andy Hopper Head, The Computer Laboratory, University of Cambridge
10:55am	Break
11:05am	"From Snowden to Big Data" Lecture by Professor Lionel M. Ni Chair Professor, Hong Kong University of Science and Technology
	Discussion Panel + Q&A Moderator: Professor Wing-shing Wong , Dean of the Graduate School, The Chinese University of Hong Kong
	Vote of thanks by Mr TC Chew , Projects Director, MTR Corporation Limited
12:30 pm	End

Lectures will be conducted in English.

Please RSVP prior to 31 October 2013 by email to HKAES@arup.com.