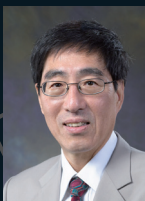




Professor Felix Wu 吳復立教授 is currently Distinguished Visiting Professor at the University of Hong Kong, a Fellow of the Hong Kong Academy of Engineering Sciences, and Professor at the University of California, Berkeley. A highly accomplished academic in the field of Electrical Engineering, he specialises in smart grids. Professor Wu is a Fellow of the Institute of Electrical and Electronics Engineers, and is a founding member and Former President of International Institute for Critical Infrastructures.

Professor Yu Yixin 余貽鑫教授 is a renowned expert on simulation, analysis and planning of power systems. He is an academician of the Chinese Academy of Engineering, and a Professor of Electrical Engineering at Tianjin University. Professor Yu is internationally recognised in the field of Power System Stability Analysis, and has achieved many accomplishments in the theory and practical applications in security region methodology of power system.



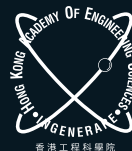
Professor Kuo Way 郭位校長 is President of City University of Hong Kong. A renowned expert in reliability design and modeling, he is internationally well-known for promoting university education on the basis of problem-driven research. He is a member of US National Academy of Engineering, a member of Academia Sinica, Taiwan, a foreign member of Chinese Academy of Engineering, and a Fellow of the Hong Kong Academy of Engineering Sciences.

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HONG KONG ACADEMY OF ENGINEERING SCIENCES Distinguished Lecture Series

ENERGY

Smart Grids: Promises, Opportunities and Challenges



DE-CARBONISATION of the electricity sector, coupled with the electrification of the transportation sector, is an important component in the fight against global climate change. Large-scale deployment of intermittent and uncertain renewable resources and unpredictable use of electricity for electric vehicles prompted the call for smart grid technology and management. In the age of the internet, smart grids integrate a cyber system, consisting of embedded sensors, sensor networks, communications, computing and control technologies, with the electrical grid.

This lecture brings together two experts to share their thoughts on the future of smart grids in cities such as Hong Kong. Professor Felix Wu will look at the promises of smart grids, explore the business opportunities of green technologies, and analyse the economical and social challenges of the development of smart grids. Professor Yu Yixin will give an overview of smart grids in China, exploring the main drivers, major technical components, initiatives and challenges of implementing smart grids in China.

Join us to explore how smart grids will protect our future.

Hong Kong Academy of Engineering Sciences

Founded in 1994 by eight distinguished engineers in Hong Kong under the leadership of Hon Sir SY Chung, GBM FREng 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.

Saturday, 2 June 2012, 9:00am

Lecture Theatre 5

City University of Hong Kong
Kowloon Tong, Hong Kong

PROGRAMME

9:00am	Welcome address by Professor Joseph HW Lee , HKAES President
	Opening speech by Guest of Honour Professor Kuo Way , President of City University of Hong Kong
	Smart Grids: Promises, Opportunities and Challenges (English) Lecture by Professor Felix Wu , Distinguished Visiting Professor in Clean Energy and Environment at the University of Hong Kong 吳復立教授，香港大學電力工程系講座教授
9:55am	Break
10:05am	中國智能電網概述 (普通話) Lecture by Professor Yu Yixin , Member of the Chinese Academy of Engineering 余貽鑫教授，中國工程院院士
	Q & A
	Vote of thanks
	Presentation of souvenirs
11:30am	End

Lectures will be conducted in English and Putonghua with simultaneous translation.

Please RSVP prior to 25 May 2012 by email to HKAES@arup.com.