



HONG KONG ACADEMY OF ENGINEERING SCIENCES Distinguished Lecture Series

ENERGY

Powering the planet

Hong Kong's energy challenge

A special lecture by
two renowned experts
on energy



Professor Timothy Tong 唐偉章校長 is the President of The Hong Kong Polytechnic University. A highly accomplished academic in the field of heat transfer, Professor Tong specialises in thermal and energy systems. He has published and lectured widely around the world. He is a Fellow of the American Society of Mechanical Engineers, the Hong Kong Academy of Engineering Sciences and the International Thermal Conductivity Conference.

Professor Pan Ziqiang 潘自強院士, a renowned nuclear energy expert, is Director-General of the Science and Technology Committee for the China National Nuclear Corporation, and member of the Chinese Academy of Engineering. He is also Vice Chairman of the Ministry of Environmental Protection's Committee on Nuclear Safety and the Environment; President of the China Radiation Protection Association; Vice Chairman of Professional Committee on Nuclear Safety; and Director of the Nuclear Safety and Radiation Environment Professional Committee, Chinese Society for Environmental Sciences, Scientific Consultant, Hong Kong Observatory.



Ir Sir Gordon Wu 胡應湘爵士 is Chairman of Hopewell Holdings Limited and of Hopewell Highway Infrastructure Limited. He is internationally well-known for providing visionary, entrepreneurial and highly successful solutions to infrastructure needs in China and Asia, and especially for applying the Build-Operate-Transfer model in a series of transport and energy projects. Prominent examples are the record-breaking and award-winning Shajiao 'B' and 'C' power stations which made crucial contribution to Pearl River Delta's development.

ENERGY is one of the most critical challenges facing the whole world today. How will we provide power for an ever increasing population that need access to heat, light, water, mobility, communications and entertainment? Is it possible to quench the climbing demand whilst reducing the release of greenhouse gases? Options and solutions exist that can lead to growing energy production from renewables, and more intelligent and efficient energy systems. Our challenge is how to harness them economically and securely; and to do that successfully may require a different way of thinking.

This lecture will bring two experts who will share their thoughts as to how we might face these challenges and overcome them for the benefits of future generations. Professor Timothy Tong will look at the major trends of energy consumption in the world, review various technologies to generate electricity and discuss energy security implications for Hong Kong. Professor Pan Ziqiang will analyse the energy policy in China and argues that nuclear power is a realistic solution to China's sustainable development of energy resources.

Join us and explore ways to steer us through the energy challenge.

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 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, 18 June 2011, 10:00am

Chiang Chen Studio Theatre
The Hong Kong Polytechnic University
Hung Hom, Hong Kong

PROGRAMME

10:00am	Welcome address by Professor Joseph HW Lee , HKAES President
	Opening speech by Guest of Honour Ir Sir Gordon Wu , Chairman of Hopewell Holdings Limited
	World Energy Demand and Energy Security for Hong Kong (English) Lecture by Professor Timothy Tong , President of The Hong Kong Polytechnic University 唐偉章，香港理工大學校長
10:55am	Break
11:05am	核能是解決我國能源可持續發展的重要現實途徑之一 (普通話) Lecture by Professor Pan Ziqiang , Member of the Chinese Academy of Engineering 潘自強，中國工程院院士
	Q & A
	Vote of thanks
	Presentation of souvenirs
12:30pm	End

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

Please RSVP prior to 13 June 2011 by email to hkaes2011@hku.hk or by fax to 2559 5337.