



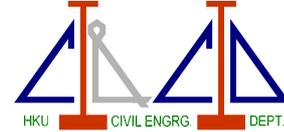
## **SEMINAR**

*Jointly organised by*

**Centre for Asian Tall Buildings and Urban Habitat**

And

**Centre for Infrastructure and  
Construction Industry Development**



**THE UNIVERSITY OF HONG KONG**

## **Sustainable Building Design and Planning**

by

**Dr RAYMOND YAU**

Director, Ove Arup & Partners Hong Kong Limited

Date: March 2, 2005 (Wednesday)  
Time: 6:00 – 7:00 p.m.  
Venue: M122, Main Building,  
The University of Hong Kong

### **ABSTRACT**

The relationship between architecture and the environment is a complex interaction of site, technology, climate and other natural forces, building materials and the human presence. With the growing and mounting concerns on climate change, the depletion of the earth's resources, widespread pollution, the concept of sustainable building design and planning is receiving much attention, which emphasizes the importance of holistic design and planning approach; assess the impact of a building on the site's environment from the technology that makes a building in operation down to the kinds of building materials used in its construction with emphasis on building life cycle consideration. The talk will outline basic strategies for "Sustainable Building Design and Planning" Approach using advanced computational building physics design tools and will present examples of buildings or sites in the East Asia context

### **ABOUT THE SPEAKER**

Dr Raymond Yau received his PhD degree in Building Engineering from the University of Manchester Institute of Science & Technology, United Kingdom in 1987 and MBA from the Chinese University of Hong Kong in 2001. Dr Yau is a Director of Ove Arup & Partners Hong Kong Ltd. and a member of the Building Sector Board of Arup Group. He is currently the head of Building Physics and Advanced Engineering Group in Arup's Hong Kong office.

Dr Yau is a leading expert in Computational Fluid Dynamics (CFD) in built environment and sustainable technologies. He is currently responsible for several HKSAR Government's consultancy studies related to sustainable construction in Hong Kong. These include the Buildings Department's CEPAS study and EMSD's Life Cycle Energy Analysis of Building Construction.

He is the ventilation advisor at the Working Group on Building Design for Clean and Healthy Environment of Buildings Department. He was the President of the Hong Kong Chapter of the American Society of Heating Refrigerating & Air-conditioning Engineers. Dr Yau has been appointed as Honorary Professor of Architecture of The University of Hong Kong in 2004.

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