

THE CROUCHER FOUNDATION

Advanced Study Institute on Recent Developments in Nearshore Coastal Water Quality Research: Prediction, Hydro-biological Interactions and Management

December 14 – 19, 2009
The University of Hong Kong

Second Announcement

Over the past decade, our ability to predict the environmental impact of major coastal pollution discharges has improved substantially. However, there are still many gaps in our understanding of near shore coastal water quality. In particular, the complicated interaction of non-point source pollution and surface runoff with wave and tide-induced currents in the littoral zone cannot be adequately described in existing 3D tidal hydrodynamics models. Other marine environmental research challenges include: nearshore hydrodynamics, fate and transport of endocrine disrupting compounds; beach water quality prediction; environmental impacts of seawater desalination; Lagrangian transport; ecological risk assessment and public engagement; real time data-driven models for coastal management.

The objective of the meeting is to update established engineers and scientists (from Hong Kong and the region) in academia, government, and industry of recent developments in the prediction and management of nearshore coastal water quality, with emphasis on fundamental research relating to the above aspects.

Course Director

Professor Joseph Hun-wei Lee (The University of Hong Kong)



Supported by The Croucher Foundation



Organising Committee

Professor Roger Falconer, The University of Cardiff, U.K.
Professor Paul Harrison, Hong Kong University of Science and Technology
Professor Gerhard Jirka, Karlsruhe Institute of Technology, Germany
Professor Winston Lung, The University of Virginia, U.S.A.

Invited Lecturers

Dr. Ralph T. Cheng, U.S. Geological Survey, USA
Professor Robert Dean, University of Florida, USA
Professor Roger Falconer, Cardiff University, UK
Professor Peter Franks, Scripps Institution of Oceanography, UC San Diego, USA
Professor Stanley Grant, University of California, Irvine, USA
Professor Gerhard Jirka, Karlsruhe Institute of Technology, Germany
Professor David Kay, University of Wales, UK
Professor Guus Stelling, Delft University of Technology, Netherlands



Participants include:

Dr. Tobias Bleninger, Karlsruhe Institute of Technology, Germany
Ana Lloret Capote, Centre for Studies on Ports and Coasts (CEDEX), Spain
Professor Daoyi Chen, University of Liverpool, UK
Professor Minhan Dai, Xiamen University, China
Professor Peter Davies, University of Dundee, UK
Dr. Walter E. Frick (retired), Oregon, USA
Professor Zhenren Guo, South China Institute of Environmental Sciences
Professor Suiliang Huang, Nankai University, China
Professor Cuiping Kuang, Tongji University, China
Ms. Sabine Lattemann, University of Oldenburg
Professor Adrian W.K. Law, Nanyang Technological University, Singapore
Dr. Dongfang Liang, University of Cambridge, UK
Antonio Ruiz Mateo, Centre for Studies on Ports and Coasts (CEDEX), Spain
Professor Arthur Mynett, Delft Hydraulics, The Netherlands
Professor Philip J.W. Roberts, Georgia Institute of Technology, USA
Professor I.W. Seo, Seoul National University, Korea
Professor John Z. Shi, Shanghai Jiao Tong University, China
Professor Soon Keat Tan, Nanyang Technological University, Singapore
Professor J.H. Tao, Tianjin University, China
Professor Guangqian Wang, Tsinghua University, China
Professor Zhaoyin Wang, Tsinghua University, China



Registration Fee

There will be no registration fee charge for invited ASI participants.

Venue

The ASI will be held in the Graduate House, The University of Hong Kong.

ASI Organisation

The ASI is intended to be a high-level teaching activity where the selected topics are treated in depth by lecturers of international standing, and new advances on the subject. There will be lectures followed by case studies and group discussions. A poster session will run throughout the ASI, and field visit to related laboratories / research sites are being planned. The ASI is primarily aimed for established scientist and researchers, and a limited number of postdoctoral fellows and doctoral students actively working on related research.

Accommodation and Travel

Accommodation for overseas participants will be arranged at the nearby residence of the University of Hong Kong. The cost is around US\$80/night. Participants should make their own travel arrangements; visitors from most countries require no visa.

If you have any questions regarding accommodation and travel, please contact us at email: asi2009@hku.hk.

Further details on the technical programme and other arrangements of the ASI will be available on the ASI homepage and in the Final Announcement. For queries please contact the Secretariat:

Croucher ASI Secretariat
c/o Department of Civil Engineering,
The University of Hong Kong
Pokfulam Road, Hong Kong.
Tel: (+852) 2859-2663
Fax: (+852) 2559-5337
Email: asi2009@hku.hk
Website: www.civil.hku.hk/asi2009

