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MODE OF PAYMENT

A. Cheque or Bank Draft

Cheque No./ : _____ Bank/ Branch : _____
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All crossed cheque/ bank draft should be made payable to SPACE, UNIVERSITI TEKNOLOGI MALAYSIA
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REGISTRATION FEE

The registration fees for the conference, which cover conference proceedings, technical sessions, luncheons, and refreshments, are as follows:

Local participant : **RM 990.00** (Including Co-authors)
 Local Presenters : **RM 990.00** / paper
 International : **USD 300.00**

SUBMISSION PROCEDURES

Papers must be reach the Conference Secretariat on or before the specified deadlines. Please refer to the conference website <http://seminar.spaceutm.edu.my/icwr2009> for guidelines on paper format.

DISCLAIMER

SPACE UTM reserves the right to make any amendments and/or to cancel the event if warranted by circumstances beyond its control. Terms and conditions apply.

CANCELLATION POLICY

Request for refund received in writing 30 days prior to the conference are eligible for a refund, less a 15% cancellation fee. Cancellations received less than 30 days from the start of the conference are not eligible for a refund. Substitute attendees are always welcome.

Please note that officiator, speakers and topics were confirmed at the time of publishing. However, circumstances beyond the control of the organizers may necessitate substations, alterations or cancellations of the speakers and/or topics. As such, Universiti Teknologi Malaysia reserves the right to alter or modify advertised speakers and/or topics.

For further information, please contact:

ICWR 2009 Secretariat
 School of Professional and Continuing Education (SPACEUTM)
 Universiti Teknologi Malaysia,
 No. 40-50, Jalan Kebudayaan 1, Taman Universiti,
 81300 Skudai, Johor Bahru, Johor
 (Ms. Zarina / Ms. Hanim / Ms. Faniza)

E-mail : icwr2009@spaceutm.edu.my
icwr2009@gmail.com
 Tel: 07 – 521 8170 / 8159
 Fax: 07 – 521 1355

1ST ANNOUNCEMENT CALL FOR PAPERS

International Conference On Water Resources ICWR2009

*“Innovative Water Resources Management Towards
 Adaptability To Climate Change”*

Date : 26-27 MAY 2009
**Venue : BAYVIEW HOTEL,
 LANGKAWI KEDAH**

Organized By:



FACULTY OF CIVIL ENGINEERING
 UNIVERSITI TEKNOLOGI MALAYSIA



SCHOOL OF PROFESSIONAL AND
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DEPARTMENT OF
 IRRIGATION AND
 DRAINAGE (DID)



NATIONAL HYDRAULIC
 RESEARCH INSTITUTE OF
 MALAYSIA (NAHRIM)



BACKGROUND

The **Integrated Water Resources Management** has become widely accepted as a key to sustainable water management. It requires integration both within and between the natural and the human system. The water sub-sectors that deserve constant attention and urgent effective action from stakeholders at all levels are Coastal and Marine Management, Dam and Reservoirs, Groundwater, Irrigation and Drainage, River Basin Management, International Waters, Water and Environment, Water Economics and Institutions, Water Supply and Sanitation, and Watershed Management.

Climate variability has a direct and fundamental bearing on water resources and its management. The by-products of industrial and agricultural activities were recognized as potential causes to climate change in the form of global warming. The impacts are the extreme weather conditions of floods and droughts have become more frequent in many countries in the recent decade and Malaysia is not excluded from this phenomena. The climate change and its variability will exacerbate vulnerability of water resources unless innovative management practices to help cope with, and adapt to, these changes are put in place. A new management approach shall be explored that moves beyond technical quick fixes towards a more adaptive style that is inclusive and innovative.

This ICRW-09 conference will seek and offer the best platform to bring forward research findings, case studies, success stories, recent advances in planning and design methodologies and examples of improved water management policies, institutions, strategies and practices.

Who Should Attend ?

The conference aims to bring academicians, engineers, researchers, graduate students, professionals, government agencies, consultants, contractors, decision makers, policy makers, NGOs, interested individual and organisations together for exchange of views and experiences on water resources.

Important Dates

Deadline for Abstract Submission
30 NOVEMBER 2008

Notification of Abstract Acceptance
31 DECEMBER 2009

Deadline for Full Paper Submission
15 FEBRUARY 2009

Notification of Full Paper Acceptance
15 MARCH 2009

Conference
26-27 MAY 2009

TENTATIVE KEYNOTE SPEAKERS

DATO' IR AHMAD HUSAINI SULAIMAN
Director General, Department of Irrigation and Drainage,
Ministry of Natural Resources and Environment, Malaysia

PROFESSOR HOWARD WHEATER



He obtained a first class degree in Engineering Science from the University of Cambridge and worked for Rolls-Royce as a fluid mechanics specialist before undertaking a PhD in Hydrology at Bristol University. Professor of Hydrology at Imperial College and he is past-President of the British Hydrological Society, a Fellow of the Royal Academy of Engineering, a Fellow of the Institution of Civil Engineers, and is a life member of the International Water Academy (Oslo). He has a wide international experience of flood, water resource and water quality studies, including the Middle East, Far East, Africa and South America, and recently acted as Counsel and Advocate for Hungary at the International Court of Justice, concerning the environmental impact of the GNBs Danube Dams.

PROFESSOR MOHAMMAD KARAMOUZ



He obtained his PhD in Hydraulic and System Engineering, Purdue University, West Lafayette. Professor of Water Resources Engineering at School of Civil Engineering, Fanni College, University of Tehran, a Fellow of American Society of Civil Engineers. He served as Visiting Professor of Water Resources at University of Arizona, Tucson, served as Dean and Professor of Civil Engineering at Pratt Institute Brooklyn, New York. His academic research projects mainly related to decision support system, decision making in water resources, optimal management of water quantity and quality, drought management strategy, reservoir operation and flood control. Professor Karamouz serves nationally and internationally as a consultant.

PROFESSOR VAN THANH VAN NGUYEN



He obtained his PhD in Hydrology and Water Resources, University of Montreal, Canada. He is endowed Brace Professor Chair in Civil Engineering. Professor Nguyen's teaching and research contributions have been mostly in the areas of hydrology and water resources management. More specifically, his teaching duty in the past several years includes: hydrology, water resources management, systems analysis, statistics and stochastic processes. His research experience includes: modelling and simulation of hydrologic processes, modelling of urban storm drainage and river basin systems, and multi-purpose reservoir systems operation and management. He has been involved in a number of projects with various engineering companies in Canada.

Organizing Committee

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Indian Institute of Technology Roorkee, India

Theme

FLOOD MANAGEMENT

- Socio-economic and environmental impacts of flood
- Flood hazard management plan
- Floodplain management and flood risk mapping
- Flood mitigation and innovative control measures
- Dam and reservoirs as flood control structures
- Rainfall modelling and flood forecasting system
- Coping with climate change and adaptive measures
- Management capacity for sustainable infrastructure
- Urban stormwater and rainwater harvesting

WATER SUPPLY AND WATER ECONOMICS

- Reservoir management and water supply
- Groundwater management and modelling
- Groundwater for drinking and irrigation
- Water supply and sanitation
- Water management and irrigation system
- Water distribution system and modelling tools
- Sustainability and competitiveness investment
- Conservation and water use efficiency
- Water for food and irrigated agricultural land
- Economics analysis of water and modelling tools
- Stochastic programming and bargaining theory
- Water and hydropower generation
- Evolution algorithm, ANN, PSO and fuzzy tools

WATERSHED MANAGEMENT

- Multiobjective planning and management
- River engineering and sediment transport
- River-reservoir and ecosystem management
- Coping with climate change impact
- International water laws and treaties
- Integrated river basin management
- Forest hydrology and peat soil management
- Remote sensing, GIS and AI applications
- Information management system
- System analysis in water resources

WATER RELATED NATURAL DISASTER

- Tsunami modelling and regional disaster
- Coastal flooding and defence
- Erosion and land stability
- Numerical methods application
- Sea level rise and adaptation strategy
- Reports on the costs of damages and disruption
- Global warming and drought management strategy
- Disaster risk management

ENVIRONMENT AND COASTAL ZONE MANAGEMENT

- Prevention and mitigation measures of water pollution
- Coastal and ocean climate variation
- Aquatic biodiversity maintenance
- Contamination of lakes, rivers and wetland ecosystems
- Coastal and marine management
- Port structure and navigation channel
- Climate variability and modelling
- Integrated coastal zone management
- Environmental hydraulics and hydrology
- Water pollution and ecosystem degradation