

Program for Accompanying Persons

Program for two days will be arranged for accompanying persons from abroad to make them familiar with Bangladeshi culture and tradition. Please visit the conference website for details including fees and deadlines.

Insurance and Liability

The organizers are not responsible for individual, medical and personal insurance.

Registration

Developed countries	U.S. \$300
Developing countries	U.S. \$150
SAARC countries	U.S. \$100
Accompanying person from abroad	U.S. \$75
Local participant	Tk.1500

(10% reduction for IAHR members from developed countries)

Registration fee for participants covers registration materials, inaugural ceremony, tea/coffee and lunch during conference, pre-conference paper volume, technical visit and closing dinner. Registration fee for accompanying persons covers only inaugural ceremony, technical visit and closing dinner. Registration details, hotel information, visa requirement etc. will be provided in the conference website.

Method of Payment

Payment can be made by Demand Draft, Money Transfer or Telegraphic Transfer for participants from abroad, and by Demand Draft or in cash for local participants. All payment should be made in favor of: ICWFM-IWFM, Current Account No. 33011231, Sonali Bank, BUET Branch, Dhaka 1000, Bangladesh (Swift Code: BSON BDDH LOD).

Conference Update

Latest information about the conference will be posted on the conference website. Please contact the secretariat for additional information.

Organizing Committee

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Director General, Bangladesh Institute of Development Studies
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Director General, Bangladesh Water Development Board
President, Bangladesh Water Partnership

Executive Director, Center for Environmental and Geographic Information Services

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Managing Director, Dhaka Water Supply and Sewerage Authority

Executive Director, Institute of Water Modelling

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Prof. J. Richard Weggel, Drexel University, USA.

Climate of Dhaka

Dhaka is within the monsoon climate zone, with mean temperature of March around 26°C. Details about Dhaka can be found in the conference website.

Correspondence

All correspondence concerning the conference should be sent to:

E-mail: icwfm@iwfm.buet.ac.bd

Conference Secretariat: ICWFM-2007

Institute of Water and Flood Management (IWFM)

BUET, Dhaka-1000, Bangladesh

Tel: 880-2-9665601

Fax: 880-2-8613046 (Attention: ICWFM-2007)

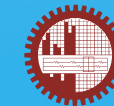
Website: <http://www.buet.ac.bd/icwfm/>



International Conference on Water and Flood Management

12-14 March 2007
Dhaka, Bangladesh

Organized by



Institute of Water and Flood Management (IWFM),
Bangladesh University of Engineering and Technology (BUET)

In collaboration with

Department of Water Resources Engineering (DWRE), BUET
Water Resources Planning Organization (WARPO)
Bangladesh Water Development Board (BWDB)
Local Government Engineering Department (LGED)



Sponsors

International Association of Hydraulic Engineering and Research
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Background

Water and flood management plays a key role in economic growth and social development. Water scarcity undermines the security of public health, food, environment and livelihood. Flood damage to agricultural land, homestead and infrastructure destabilizes the socio-economic activities. Many water and flood management projects have been unable to achieve the desired objectives because of inefficient water use, inequitable distribution of project benefits and costs, inappropriate institutional framework, and inadequate legal and regulatory measures, leading to many adverse impacts on the natural and socio-economic systems. With this background water management is becoming more complex and challenging because of the increasing trend in population, water demand, food demand, energy demand, urbanization, industrial production and economic growth. The decision making process faces multiple users, competing needs, uncertainty due to climate variability and cross-sectoral implications due to the interdependence of land, water, ecosystems and socio-economic developments. The interdependence calls for integrated approach to water and flood management that can address the needs of the development goals. The advances in information and communication technology provide opportunities for developing tools for the prediction of impacts of water management decisions on development goals. There is a need for concerted effort to identify appropriate water policies, strategies and management practices to achieve sustainable solutions to water and flood management problems.

Purpose

The purpose of the conference is to discuss the above problems and issues and to advance knowledge on water and flood management in order to promote environmentally sustainable development. Towards this, the conference aims to bring academicians, researchers, professionals, decision makers and policy makers together for exchange of views and experiences on water and flood management. It will focus on integrated approach to water and flood management to address issues like increasing water use efficiency, improving water resources system performance, reducing vulnerability and developing resiliency against water related hazards, preserving environmental quality, protecting ecosystem, coping with climate variability, promoting participatory management, and ensuring equity and social justice in decision making process. It seeks 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.

Theme

Catchment Processes, Ecosystems and Quality of Environment

- Hydrological, morphological and mixing processes
- Landscape modification and flow regime changes
- Wetland, riverine and coastal ecosystems
- Arsenic contamination of groundwater
- Habitat requirements of fish species and aquatic plants
- Hydro-ecological effects of water and land use
- Water pollution and ecosystem degradation
- Environmental flow estimation

Flood Management

- Socio-economic and environmental impacts of flood
- Short and long term flood forecasting
- Reduction of vulnerability to flood
- Risk-based sizing of flood protection and drainage structures
- Risk transfer and equity issues
- Integration of land use, flood management and ecosystem protection

Urban Water Management

- Urban stormwater and waste water management
- Domestic water supply and equity in access to water
- Wetland restoration and protection
- Integration of urban land use planning and water management

Agricultural Water Management

- Water conservation, water use efficiency and productivity
- Virtual water trade
- Reduction of vulnerability to drought and salinity
- Integration with water needs of other sectors

Coastal Zone Management

- Storm surge and tsunami hazards and socio-economic impacts
- Reduction of vulnerability and development of resiliency
- Risk-based decision making in hazard management
- Shore protection, port structure and navigation channel planning
- Impacts of shrimp farming and navigation system on mangrove forest
- Coastal ecosystem protection and biodiversity maintenance
- Sea level rise and adaptation strategy
- Integrated coastal zone management

Management of Shared River Basin

- Conflicts and cooperation in water and flood management
- Multipurpose use of water and opportunity cost
- Watershed, river and ecosystem maintenance
- Coping with climate change impacts
- International water laws and treaties
- Integrated river basin management

Water Information Management

- Information management system
- Decision Support System
- Linking system state indicators and decision support indicators
- Artificial intelligence
- Simulation of water resources systems
- Remote sensing and GIS applications

Water Policy and National Development

- Water policy and development goals
- Developing resiliency against water related hazards
- Demand management, water rights, conflict resolution and water allocation
- Regulatory measures for environmental and livelihood security
- Cross-sectoral integration, gender and stakeholder participation
- Integrated water management, governance, capacity building and institution
- Indicators for sustainable development
- Multi-criteria analysis for decision making

Dates and Venue

The conference will be held during 12-14 March 2007 at BUET, Dhaka, Bangladesh.

Official Language

The official language of the Conference is English.

Submission of Abstract

Abstracts of papers are welcome on themes outlined for the Conference. Interested authors are requested to submit **extended abstracts** written in English. The abstract should contain at least 500 words. The abstract should include the title of the paper, name(s) of author(s), presenting author, affiliations including e-mail addresses, key words, theme and conclusions. Abstracts should be submitted by 15 September 2006 via e-mail in Microsoft Word format to the Conference Secretariat (icwfm@iwfm.buet.ac.bd) along with the completed 'Intent of Participation' form. The form can be downloaded from the conference website. All abstracts will be reviewed. Instructions for final papers will be sent along with notification of acceptance of abstracts by 31 October 2006.

Technical Visit

Two field visits will be arranged on the same day for the registered participants and registered accompanying persons. Only one visit can be availed by a participant. One visit is to a large scale flood control and irrigation project and a town protection project of Bangladesh Water Development Board located on the Lower Meghna, the combined outfall of the Ganges, Brahmaputra and Meghna. The river cruise to the project site will cross the world's largest river confluence. The other visit is to a Rubber Dam project of the Local Government Engineering Department. Participatory irrigation management is practiced in this small scale project. Please visit conference website for further details.

Financial Support

A limited number of paper presenters from developing countries (including SAARC countries) will be partly supported by the Conference Secretariat. Only registration fee, accommodation, food and local transportation during the conference will be provided. The airfare and all other expenses will have to be borne by the participants. The interested candidates are requested to fill in the 'Financial Support' form from the conference website and send it to the Conference Secretariat by e-mail (icwfm@iwfm.buet.ac.bd) along with abstract by 15 September 2006.

Pre-conference Paper Volume

The accepted papers will be published as pre-conference paper volume and will be distributed to the registered participants.

Attending Conference

Those who are only interested to attend the conference are also welcome. They are requested to complete the 'Intent of Participation' form and send it to the conference secretariat by e-mail (icwfm@iwfm.buet.ac.bd) by 15 September 2006. The form can be downloaded from the conference website.

Important Dates

15 September 2006	Deadline for abstract submission
31 October 2006	Notification of abstract acceptance
15 December 2006	Deadline for registration
15 January 2007	Deadline for paper submission
12-14 March 2007	Conference

Post-conference Tour

A guided post-conference tour to the Sundarbans will be arranged by a professional tour operator. The Sundarbans is the single largest mangrove forest in the world, and a UNESCO World Heritage Site. This unique tidal halophytic forest is the home to the famous Royal Bengal Tiger and a wide variety of flora and fauna. Please visit the conference website for details including fees and deadlines.