



## International Conference on Water and Environmental Engineering (iCWEE 2019)

19-22 January 2019, Dhaka, Bangladesh

# Organised by: Global Circle for Scientific, Technological and Management Research (<a href="http://www.gcstmr.com.au/">http://www.gcstmr.com.au/</a>)









## **CONFERENCE INFORMATION**

International Conference on Water and Environmental Engineering (iCWEE-2019, Dhaka) will bring international and national experts in Water and Environmental Engineering to Dhaka (the Capital City of Bangladesh) to present and share their latest research and practices.

Water is the vital source of life. Without water no living things can survive. Water resources management is vital for a nation's survival and progress. Climate change is bringing multi-dimensional issues to water and environment. Recent research, practice and advancements in Water and Environmental Engineering will be discussed by many international leading experts and professionals who will gather at iCWEE-2019, Dhaka, Bangladesh. The main objectives of this conference are to provide an opportunity for professional interaction amongst the researchers, engineers, academics and students, and to showcase the latest developments and future trends in their fields.

iCWEE-2019 is supported by the Global Circle for Scientific, Technological and Management Research (GCSTMR) as its 4<sup>th</sup> World Congress. GCSTMR endeavors to create a platform for young researchers to exchange ideas and share information with experts in their respective fields. GCSTMR encourages and facilitates trans-national collaborations among its members and associates in research, training and professional activities. Multidisciplinary international conference series run by GCSTMR could open vast opportunities for researchers enabling them to interact on the global platform, as well as to seize the advantage of knowledge sharing in the digital arena.

The 4<sup>th</sup> GCSTMR Congress is being jointly organized by GCSTMR, Bangladesh Open University (BOU), Daffodil International University, Islamic University of Technology (IUT), Dhaka University of Engineering and Technology (DUET) and Business Faculty of the Dhaka University (DU). The conference venue is 20 km away from the airport and many international standard hotels, motels, guest houses and resorts are situated in and around the venue.

Bangladesh, an emerging economic power in Asia, is also popular for its two main tourist attractions: Cox's Bazar, is a contender for the title of longest unbroken sandy sea beach in the world, and the Sundarbans, the largest mangrove forest in the world with the Royal Bengal Tiger and the Spotted Deer. For more information, visit <a href="https://en.wikipedia.org/wiki/Tourism">https://en.wikipedia.org/wiki/Tourism</a> in Bangladesh.

iCWEE-2019 will feature keynote addresses by world leaders in Water and Environmental Engineering. All the abstracts and full papers submitted to iCWEE-2019

will be assessed by an independent review panel and if accepted will be published in the Conference Proceedings with Australian ISBN Number.

## **CONFERENCE THEMES**

- 1. Hydraulic Engineering
- 2. Surface Water Hydrology
- 3. Groundwater Hydrology
- 4. Water Resources Management
- 5. Fluid Mechanics
- 6. Drinking Water Treatment
- 7. Wastewater Treatment
- 8. Solid Waste Treatment and Management
- 9. Rainwater Harvesting
- 10. Water Reuse and Recycling
- 11. Evaporation
- 12. Trend analysis of hydrological and climatic data
- 13. Climate Change Issues in Water and Environmental Engineering
- 14. Air Pollution
- 15. Noise Pollution
- 16. Stormwater Management
- 17. Low Impact Development/Water Sensitive Urban Design
- 18. Irrigation Engineering
- 19. Water Resources Engineering
- 20. Water and Environmental Engineering Education
- 21. Public Health Engineering
- 22. Arid Region Hydrology
- 23. Desalination
- 24. Sea Outfall Assessment
- 25. Design Rainfall Estimation
- 26. Flood Hydrology
- 27. Flood Plain Management
- 28. Water Sharing in National and International Rivers
- 29. Water and Soil Salinity
- 30. Other Areas of Water and Environmental Engineering

## **ORGANISING COMMITTEE**

Chair: Assoc. Prof. Dr. Ataur Rahman, Western Sydney University, Australia

**Co-Chair:** Prof. Dr. Shibli R U Islam, Dhaka University, Bangladesh **Co-Chair:** Prof. Dr. Chin Leo, Western Sydney University, Australia

**General Secretary:** Dr. Amir Ahmed, Daffodil International University, Bangladesh **Co-General Secretary:** Dr. Hasan Hafizur Rahman, STAMCA, Sydney, Australia

**Co-General Secretary:** Assoc. Prof. Dr. Amimul Ahsan, Uttara University, Bangladesh **Treasurer:** Dr. Shafiqul Alam, Registrar, Bangladesh Open University, Bangladesh

Co-Treasurer: Dr. Rezaul Bashar, STAMCA, Sydney, Australia

Marketing: Engr. A F M Ali Ashraf, GCSTMR, Australia

#### **Executive Members:**

Prof. Dr. Andre M N Renzaho, Western Sydney University, Australia

Prof. Dr. Shams Rahman, RMIT University, Australia

Assoc. Prof. Dr. Fidelis Mashiri, Western Sydney University, Australia

Dr. Rafiqul Islam, Solar E. Technology, Australia

Prof. Dr. Rezaul Karim, Islamic University of Technology, Bangladesh

Dr. M Rafiqul Islam, Charles Sturt University, Australia

## ADVISORY COMMITTEE

Chair: Prof. Dr. M A Mannan, Vice Chancellor, Bangladesh Open University

Co-Chair: Dr. Md. Sabur Khan, Chairman (Board of Trustee), Daffodil International

University, Bangladesh

#### **Members:**

Prof. Dr. Atiur Rahman, Professor, Dhaka University

Prof. M A Hannan, Rector, Engineering Staff Collage

Prof. Dr. Iftekhar Uddin Chowdhury, Vice Chancellor, Chittagong University, Bangladesh

Prof. Dr. Md. Alauddin, Vice Chancellor, Dhaka University of Engineering and

Technology, Bangladesh

Prof. Dr. Omar Jah, Pro Vice Chancellor, Islamic University of Technology, Bangladesh

Prof. Dr. Yusuf Mahbubul Islam, Vice Chancellor, Daffodil International University,

Bangladesh

Prof. Dr. S. M. Imamul Huq, Vice Chancellor, University of Barisal, Bangladesh

Prof. Dr. Jahirul Haque, Vice Chancellor, University of Liberal Arts, Bangladesh

Prof. Dr. Gias U Ahsan, Pro Vice Chancellor, North South University, Bangladesh

Prof. Dr. Akhtar Kamal, Victoria University, Australia

Prof Dr. Vivian Tam, Western Sydney University, Australia

Prof. Dr. Taha B. M. J. Ouarda, National Institute of Scientific Research, INRS, Canada

Prof. Dr. Biswajeet Pradhan, University of Technology Sydney, Australia

Prof. Dr. Abdallah Shanableh, University of Sharjah, United Arab Emirates

Prof. Dr. Henry Wong Kwai Kwan, ENTPE Universite De Lyon, France

Prof. Dr. Chi Zhang, Dalian University of Technology, China

Mr. Kazi Nasir, Chief Architect Department of Housing and Public Works, Bangladesh.

Prof. Dr. Abu Bakr Rafique, Former CEO, International Islamic University of Chittagong, Bangladesh

Mr. Mukit Majumdar Babu, Chairman, Prokriti O Jibon Foundation and Sponsor Director, Channel I, Bangladesh

Prof. Dr. Abdur Rashid, Dean, Uttara University, Bangladesh

Prof. Dr. Shafiul Bari, Bangladesh University of Engineering and Technology, Bangladesh

Prof. Dr. Raquib Ahsan, BUET, Bangladesh

Prof. Dr. Harunur Rashid, Khulna University of Engineering and Technology, Bangladesh

Prof. Dr. Monjur Hossain, Former Professor, Khulna University of Engineering and Technology, Bangladesh

Prof. Dr. Md. Tarek Uddin, Islamic University of Technology, Bangladesh

Prof. Dr. Sharmin Reza Chowdhury, Dhaka University, Banglades

Prof. Dr. Mohammad Nazmul Islam, North South University, Bangladesh

## **TECHNICAL COMMITTEE**

Chair: Assoc. Prof. Dr. Ataur Rahman, Western Sydney University, Australia

Co-Chair: Prof. Dr. Taha B. M. J. Ouarda, National Institute of Scientific Research, Canada

Co-Chair: Prof. Dr. Rezaul Karim, Islamic University of Technology, Bangladesh

Co-Chair: Assoc. Prof. Amimul Ahsan, Uttara University, Bangladesh

**Secretary:** Dr. M Muhitur Rahman, King Faisal University, Saudi Arabia

Co-Secretary: Engr. Ayesha Rahman, Western Sydney University, Australia

#### **Executive Members:**

Prof. Dr. Ashish Sharma, University of New South Wales, Australia

Assoc. Prof. Dr. Monzur Imteaz, Swinburne University of Technology, Australia

Assoc. Prof. Dr. Asaad Shamseldin, The University of Auckland, New Zealand

Assoc. Prof. Dr. Surendra Shrestha, Western Sydney University, Australia

Assoc. Prof. Dr. Faisal Anwar, Curtin University, Australia

Assoc. Prof. Dr. Ramesh Teegavarapu, Florida Atlantic University, USA

Dr. Khaled Haddad, Western Sydney University, Australia

Dr. Abdullah Yilmaz, University of Sharjah, United Arab Emirates

Dr. M Ashiqur Rahman, Western Sydney University, Australia

Dr. Rezaul Chowdhury, University of Southern Queensland, Australia

Dr. Md. Mahmudul Haque, Water New South Walse, Australia

Engr. Abdullah Al Mamoon, Ministry Of Municipality & Environment, Qatar

Engr. Caleb Amos, Western Sydney University, Australia

Engr. Sabrina Ali, Western Sydney University, Australia

Engr. Evan Hajani, Western Sydney University, Australia

Dr. Wilfredo Caballero, Western Sydney University, Australia

Dr. Kashif Aziz, Western Sydney University, Australia

Assoc. Prof. Dr. Nadim Khandaker, North South University, Bangladesh

Dr. Aysha Akter, Chittagong University of Engineering & Technology, Bangladesh

Dr. Muhammed Ali Bhuiyan, RMIT University, Australia

Assoc. Prof. Dr. Saleh Wasimi, Central Queensland University, Australia

Prof. Dr. Md. Mostafa Ali, Bangladesh University of Engineering & Technology

Assoc. Prof. Dr. A T M Hasan Zobeyer, BUET, Bangladesh

Prof. Dr. Shafiul Bari, Bangladesh University of Engineering & Technology, Bangladesh

Prof. Dr. Raquib Ahsan, Bangladesh University of Engineering & Technology, Bangladesh

Prof. Dr. Harun ur Rashid, Khulna University of Engineering & Technology, Bangladesh

Prof. Dr. Ataur Rahman, Khulna University of Engineering & Technology, Bangladesh

Prof. Dr. Monjur Hossain, Khulna University of Engineering & Technology, Bangladesh

Prof. Dr. Abdur Rashid, Dean, Uttara University, Bangladesh

Prof. Dr. Md. Tarek Uddin, Islamic University & Technology, Bangladesh

Prof. Dr. Mohammad Nazmul Islam, North South University, Bangladesh

Prof. Dr. Umme Kulsum Navera, BUET, Bangladesh

Prof. Dr. Md. Sabbir Mostafa Khan, BUET, Bangladesh

Prof. Dr. Anika Yunus, Bangladesh University of Engineering & Technology, Bangladesh

Prof. Dr. Tanveer Ferdous Saeed, University of Asia Pascific, Bangladesh

Dr. Fairouz Slama, National Engineering School of Tunis ENIT, Tunisia

Dr. Emna Gargouri, National Engineering School of Tunis ENIT, Tunisia

Dr. Andreas Langousis, University Of Patras, Greece

Prof. Dr. Amro M. Farid, Dartmouth College, USA

Dr. Dhouha Ouali, University Of Victoria, Canada

Prof. Dr. Ahmed Bouziane, Mohamed V University, Morocco

Prof. Dr. Shafi M. Tareq, Jahangirnagar University, Bangladesh

Dr. Alin Carsteanu, CINVESTAV, Mexico

Dr. Iwona Markiewicz, Institute of Geophysics, Polish Academy of Sciences, Poland

Dr. Naveed Khaliq, CNRS, Canada

Prof. Dr. Muhammad Mizanur Rahaman, University of Asia Pacific, Bangladesh

Assoc. Prof. Dr. Miah M. Hussainuzzaman, Daffodil International University, Bangladesh

Dr. Rajib Maity, Indian Institute of Technology, Kharagpur, India

Dr. Ramakar Jha, National Institute of Technology, India

## **Key Dates**

Closing date for abstract submission: 31 Aug 2018

Notification of acceptance/rejection to authors: 21 Sep 2018

Full paper or extended abstract submission due: 30 Oct 2018

Full paper review report to author: 30 Nov 2018

Final paper or extended abstract due: 15 Dec 2018

Early bird registration opens: 1 Sep 2018

Early bird registration closes: 15 Dec 2018

Conference date: 19-22 Jan 2019

## **Abstract and Full Paper Submission**

• Please visit the conference website to download the template to prepare your abstract or full paper and follow the link to make the submission via EasyChair.

## **Opportunity to Publish in Journals**

Selected authors will have the opportunity to publish the iCWEE 2019 conference papers in the *International Journal of Engineering, Construction and Computing (IJECC)* (subject to satisfying the criteria of the journal). *IJECC* is an Open Access fully refereed international journal published from Australia.

## **Registration Fees**

Subclass	Early Birds		Bird on Time	
	Bangladesh	International	Bangladesh	International
	Delegates	Delegates	Delegates	Delegates
Full Days Delegates	Tk 4000	US\$ 350	Tk 4500	US\$ 400
Full Days Students	Tk 2000	US\$ 200	Tk 2500	US\$ 250
One Day Delegate	Tk 2500	US\$ 250	Tk 3000	US\$ 275
One Day Student	Tk 1500	-	Tk 1800	-
Accompanying Family	Tk 1500	US\$ 100	Tk 2000	US\$ 125
Member				
Conference Dinner	Tk 1500	US\$ 50	Tk 1500	US\$ 50
Charge for the 3 <sup>rd</sup>	Tk 1000	US\$ 50	Tk 1000	US\$ 50
paper or 4 <sup>th</sup> paper				
Paper publication in	Tk 2500	US\$ 250	Tk 2500	US\$ 250
the Proceedings				
without conference				
attendance				

<sup>\*</sup>International delegates and international students from countries with a per capita GDP of less than US\$ 10,000 (World Bank, 2014) will receive a 50% discount on the registration fee.

## **FURTHER INFORMATION**

#### **Conference Secretary:**

Dr. M Muhitur Rahman, King Faisal University, Saudi Arabia

Email: muhit112@gmail.com

#### **Chair (Technical Committee):**

Assoc. Prof. Dr. Ataur Rahman

Email: a.rahman@westernsydney.edu.au

Phone +61 430 137 299

#### **Chair (Organising Committee):**

Assoc. Prof. Dr. Ataur Rahman

Email: a.rahman@westernsydney.edu.au

Phone +61 430 137 299

#### **General Secretary (Organising Committee):**

Dr. Amir Ahmed, Daffodil International University, Bangladesh

Email: <u>aaff1273@gmail.com</u> Tel: +880 1777 180 046

#### Lead Secretary (GCSTMR):

Dr. Hasan Hafizur Rahman

Email: hasanhrahman@hotmail.com

Tel: +61 431 070 618