

TENTATIVE SCHEDULE (SUBJECT TO CHANGE)

**1st International Conference on Water and
Environmental Engineering (iCWEE 2017), 20-22 Nov
2017, Western Sydney University, Building EA,
Parramatta South Campus, Sydney, Australia**

*[Corner of Victoria Road and James Ruse Drive (entrance via Victoria Road),
Parramatta South, Sydney]*

Day 1 – Monday 20 November 2017

Time	Session
8:30 – 9:30	Registration Parramatta South Campus Room: Building EA.G Foyer
9:30 – 10:00	Conference Opening Building EA, Parramatta South Campus Room: EA.G.18(LT01)
10:00 – 10:45	Plenary 1 - Professor Ian D. Moore, Queen's University, Ontario, Canada Title: Geomechanics of Trenchless Pipe Installation, Repair and Replacement Chair: Professor Chin Leo Room: EA.G.18(LT01)
10:45 – 11:15	MORNING TEA Room: Building EA.G Foyer
11:15 – 12:00	Plenary 2 – Professor Xiao-Ling Zhao, Monash University, Australia Title: Research into Hybrid Construction utilising FRP and Seawater sea sand concrete Chair: Associate Professor Fidelis Mashiri Room: EA.G.18(LT01)
12:00 – 12:45	Plenary 3 – Professor Ashish Sharma, University of New South Wales, Australia Title: Water Resources Engineering and climate change: Recent developments and future challenges Chair: Associate Professor Ataur Rahman Room: EA.G.18(LT01)
12:45 – 13:45	LUNCH Room: Building EA.G Foyer

	Session 1B: Water and Environmental Engineering Chair: Associate Professor Ataur Rahman Room: EA.G.34
13:45 -14:05	Invited paper title: Advanced flood inundation modelling and wetland connectivity analysis <i>Fazlul Karim, Catherine Ticehurst, Steve Marvanek</i>
14:05 - 14:25	Invited paper title: Resilience of Sydney Water Supply System Under Changing Climate <i>Selvaratnam Maheswaran</i>
14:25 – 14:40	Evaluation of Impact of Geospatial and Climatic Input Data Resolution on Hydrological and Sediment Model Performance in a Mining Affected Watershed (Paper ID iCWEE_45) <i>Kazi Rahman, Mohamed Hantush, Alexander Hall, Souhail Al-Abid, Brian Dyson and John McKernan</i>
14:40 – 15:00	Invited paper title: Economic functionality of Water Supply System Model (Wathnet) for Asset Planning <i>Golam Kibria</i>
15:00 – 15:15	Statistical rainfall downscaling of a CMIP5 ensemble in urban catchments: An Auckland area case study (Paper ID iCWEE_48) <i>Akhter Muhammad Saleem, Asaad Y. Shamseldin and Bruce W. Melville</i>
15:15 – 15:25	Discussion
15:25 – 15:55	AFTERNOON TEA Room: Building EA.G Foyer
15:55 – 16:40	Plenary 4 – Professor Chris Sorrell, University of New South Wales, Australia Title: Percolated Single-Crystal Mullite Fibres from Fly Ash: Vitreous Waste Material to High-Performance Refractory Chair: Dr Qinghua Zeng Room: EA.G.18(LT01)
16:40 – 17:25	Plenary 5 – Professor Junbin Gao, The University of Sydney, Australia Title: Clustering on Manifolds Chair: Dr M Rafiqul Islam Room: EA.G.18(LT01)
17:25 – 18:10	Plenary 6 – Dr M Rafiqul Islam, Charles Sturt University, Australia Title: Cumulative Timeline Analysis for Data Classification Chair: Professor Phill Kyu Rhee Room: EA.G.18(LT01)

Day 2 – Tuesday 21 November 2017

Time	Session
8:00 – 9:00	Registration Parramatta South Campus Room: Building EA.G Foyer
9:00 – 9:45	Plenary 7 – Professor Ashantha Goonetilleke, Queensland University of Technology, Australia Title: Management of Urban stormwater pollution: Progress and challenges Chair: Associate Professor Ataur Rahman Room: EA.G.18(LT01)
9:45 – 10:30	Plenary 8 - Professor Buddhima Indraratna, University of Wollongong, Australia Title: Ground Improvement for Transport Infrastructure Chair: Professor Chin Leo Room: EA.G.18(LT01)
10:30 – 11:00	MORNING TEA Room: Building EA.G Foyer
	Session 2B: Water and Environmental Engineering Chair: Dr Conrad Wasko Room: EA.G.34
11:00 – 11:15	Ferrates as a new approach in drinking water treatment Petra Najmanova, Veronika Simonova, Jan Slunsky, Jan Filip ((Paper ID iCWEE_47)
11:15– 11:35	Invited paper title: Australian water supply systems: challenges and how they are resolved <i>Professor Sathaa Sathasivan</i>
11:35 – 11:50	Environmental Vulnerability of Indonesian Households: The Case of Water Scarcity (Paper ID iCWEE_27) <i>Sri Irianti and Puguh Prasetyoputra</i>
11:50 – 12:05	Single Component Adsorption of Copper (II) and Nickel (II) from Aqueous Solution using Biochar Derived from Date Seed biomass (Paper ID iCWEE_15) <i>Zainab Mahdi, Ali El Hanandeh and Qiming Yu</i>
12:05 – 12:20	Interdecadal variation in rainfall patterns in South West of Western Australia (Paper ID iCWEE_9) <i>Priya Philip and Bofu Yu</i>
12:20 – 12:35	Transformation Pathways and Intermediate Products for the Photocatalytic Oxidation Treatment of 2,4-Dichlorophenol in Aqueous Systems (Paper ID iCWEE_12) <i>Zack Khuzwayo and Evans M.N. Chirwa</i>
12:40 -13:40	LUNCH Room: Building EA.G Foyer

13:40 – 14:15	Plenary 9 - Professor Raman Singh, Monash University, Australia Title: Graphene Coating and Alloy Nanocrystallinity: Novel Nano Approaches for Remarkable Corrosion Resistance Chair: Associate Professor Sri Bandyopadhyay Room: EA.G.18(LT01)
14:15 -14:50	Plenary 10 - Professor Shams Rahman, RMIT University, Australia Title: Supply Chain Connectivity, Business Sustainability and Ethics Chair: Dr Mamta Chowdhury Room: EA.G.18(LT01)
	Session 3B: Water and Environmental Engineering Chair: Associate Professor Ataur Rahman Room: EA.G.34
14:50 – 15:05	Heavy metal contamination and related risk in private and government installed handpumps. A comparative study in industrial area of Saharanpur district, India (Paper ID iCWEE_26) Vivek Gaurav and Chhaya Sharma
15:05 – 15:20	Precipitation and Flooding in a Warmer Climate (Extended Abstract ID iCWEE_31) Conrad Wasko and Ashish Sharma
15:20 – 15:35	Spatial and Temporal Variation in Rainfall Trends in Victoria (Paper ID iCWEE_42) Most. Nazneen Aktar, Nira Jayasuriya and Muhammed A Bhuiyan
15:35 – 15:50	Impact of Residential Irrigation Area and Roof Size on the Economics of Rainwater Harvesting Systems (Paper ID iCWEE_11) Caleb Christian Amos, Ataur Rahman and Fazlul Karim
15:50 – 16:20	AFTERNOON TEA Room: Building EA.G Foyer
	Session 4B: Water and Environmental Engineering Chair: Associate Professor Ataur Rahman Room: EA.G.34
16:20 – 16:35	An Investigation to Identify Homogenous Regions: A Case Study for New South Wales, Australia (Paper ID iCWEE_52) Ayesha Rahman and Ataur Rahman
16:35 – 16: 50	Changes in Rainfall in New South Wales, Australia (Paper ID iCWEE_50) Evan Hajani and Ataur Rahman
16:50 – 17:05	Application of Generalized Additive Models in Regional Flood Frequency Analysis: A Case Study for Victoria (Paper ID iCWEE_43) Farhana Noor and Ataur Rahman
17.05 – 17.20	Water, Women and Climate Change: A Review on Dhaka Metropolitan City, Bangladesh (Paper ID iCWEE_43) Samira Hossain and Ataur Rahman
17.20 – 17.35	Paper TBA
17.35 – 17.50	Paper TBA
19:00 – 21:30	CONFERENCE DINNER (Only for the CONFERENCE DINNER ticket holders)

Day 3 – Wednesday 22 November 2017

Time	Session
8:00 – 9:00	Registration Parramatta South Campus Room: Building EA.G Foyer
9:00 – 9:45	Plenary 11 – Professor Brian Uy, The University of Sydney, Australia Title: Australasian Structural Engineering Research in Steel and Composite Structures and its influence on International Design Codes Chair: Professor Zhong Tao Room: EA.G.18(LT01)
9:45 – 10:30	Plenary 12 - Professor Yinghe He, James Cook University, Australia Title: Development of innovative processes for the material recovery from spent rechargeable batteries Chair: Dr Qinghua Zeng Room: EA.G.18(LT01)
10:30 – 11:00	MORNING TEA Room: Building EA.G Foyer
	Session 5B: Water and Environmental Engineering Chair: Caleb Amos Room: EA.G.34
11:00 – 11:15	Exploitation and Rejuvenation of River Ganges: policies, institutions and governance (Paper ID iCWEE_18) M Ashiqur Rahman
11:15 – 11:30	A Review on Reducing the Impacts of Urbanisation Through Greener Approaches (Paper ID iCWEE_44) Micah J Fountain and Ataur Rahman
11:30 – 11:45	Permeable Pavement as a Component of Water Sensitive Urban Design: A Mini Review (Paper ID iCWEE_44) Michael Zanuttini and Ataur Rahman
11:45 – 12:00	Selection of Best Fit Probability Distribution for Flood Frequency Analysis in South West Western Australia (Paper ID iCWEE_49) Benjamin P Brash and Ataur Rahman
12:00 – 12:15	Paper TBA
12:15 – 12:30	Paper TBA
12:40 -13:40	LUNCH Room: Building EA.G Foyer
13:40 – 14:15	Plenary 13 - Professor Peter Coombs, Managing Director Urban Water Cycle Solutions , Sydney, Australia Title: Systems analysis of big data and macroeconomic history to reveal insights for water policy and markets

	Chair: Associate Professor Ataur Rahman Room: EA.G.18(LT01)
14:15 -14:30	CONFERENCE CLOSING SESSION Best Paper Award Room: EA.G.18(LT01)