NCWRE 2018
Conference Program at a glance

Day-1: 21 March 2018 (Wednesday)		
Time	**Venue***	**Event**
8:30 am	**Venue-A**	**Reporting and Collection of Conference Kits**
9:00 am–10:30 am	Venue-B Venue-C	Technical Session-I: River Engineering Technical Session-II: Water and Wastewater treatment
10:30 am–11:30 am	Venue-A	Inauguration Ceremony
11:30 am-11:40 am	Refreshment	
11:40 am-12:40 pm	Venue-A	Keynote Speech-I: "Sustainability of Integrated Water Resources Management: lessons of the bilateral Bangladesh-Netherlands cooperation (1976-2016)" - Ir. Peter de Vries, Thematic Expert Water Management Embassy of the Kingdom in the Netherlands, Dhaka, Bangladesh.
12:40 pm-1:30 pm	Venue-B & C	'Water quiz' & 'Fluid Mechanics Challenge'
1:30 pm-2:30 pm	Prayer and Lunch Break	
2:30 pm-4:00 pm	Venue-A Venue-B	Technical Session-III : Sustainable Development Technical Session-IV: Water supply, Sanitation & Health
4:00 pm-4:30 pm	Prayer and Tea Break	
4:30 pm-5:30 pm	Venue-A	Keynote Speech-II: "Water Resources Management in Bangladesh: Challenges and Way Towards Achieving Sustainable Water Environment" - Prof. – Prof. Dr. Md. Abdul Matin, Dept of WRE, BUET.
5:30 pm-5:40 pm	Tea Break	
5:40 pm-6:20 pm	Venue-A	Invited Speech-I: "Climate Change and Water Related Disasters in Bangladesh: Learning from the Past" - Prof. Dr. Md. Shahjahan Ali, Head, Dept. of CE, KUET.
11:30 am-6:20 pm	Venue-D	Poster presentation & Photography contest
7:30 pm-8:30 pm	**Cultural Evening and Banquet (CUET Auditorium)**	
Day-2: 22 March 2018 (Thursday)		
9:00 am–10:30 am	Venue-A Venue-B	Technical Session-V: GIS & Remote sensing in WRE Technical Session-VI: Urban Hydrology and Drainage
10:30 am-10:50 am	World Water Day-2018 Rally	
10:50 am-11:05 am	Tea Break	
11:05 am-11:50 am	Venue-A	Invited Speech-II: "Nature Smart for a Sustainable Water Future of Bangladesh" -- Prof. Dr. Rowshan Mamtaz, Chairman, CERM, BUET.
11:50 am-1:00 pm	**Closing and Prize giving Ceremony followed by lunch**	

*__Venue A:__ Civil seminar room, Civil building (1st floor); __Venue B:__ Room No.: 1202, Civil building (1st floor); __Venue C:__ Room No.: 1203, Civil building (1st floor); __Venue D:__ Room No.: 1222, Civil building (1st floor).

1st National Conference on Water Resources Engineering

21-22 March 2018, CUET

DETAIL PROGRAM SCHEDULE

Day-1, 21 March 2018

Time	Event		
8:30 am	Registration Desk Open (**Venue-A**)		
9:00 am–10:30 am	**Technical Session-I (Venue-B)** Theme: **River Engineering** Chair: Prof. Dr. Md. Abdul Matin, Dept of WRE, BUET.		
	ID	Paper Title	Authors
	001	Hydrologic Study of the Sangu River Basin	S. Chowdhury & M. A. Matin
	004	Flood Inundation Mapping of Teesta River and Climate Change Impact on it Using HEC-RAS 1D/2D Coupled Model	M. T. Rahman & M. A. Rahman
	006	An Overview of Capital (Pilot) Dredging of River System in Bangladesh	M. A. Malek & M. Hossain
	017	Simulation on Flow Pattern for 90° Convergent Channel without Secondary Current	C. Mondal & M. J. Uddin
	074	Tidal Meeting Zones and Their Implication in Land Reclamation in the Meghna Estuary-A Numerical Approach	A. Khatun & G. M. J. Hasan
	079	A Study on the Flood Damage and Mitigation Measures of Floods Occurring in Bangladesh at the Last Decade	A. S. Hasan, R. R. Saha & B. K. Biswas
	076	Morphological Changes of River Teesta During the Last Decade	T. Tarannum, A. Bhuyan & F. F. Badhon
	084	Effect of River Morphological Changes on the Flood Intensity Along the Flood Plain Areas of Brahmaputra-Jamuna River System	F. F. Badhon, A. Bhuyan & T. Tarannum
	127	A Review on Numerical and Experimental Methods of River Meander Prediction	T. Ahmed & A. A. Shuvo
	132	Characterization of Tropical Cyclones Track in the Northern Indian Ocean	A. H. Tanim, T. Araf, M. H. Chowdhury, H. J. Swarci, A. F. Anika & A. Biswas
	134	Calibration of Manning's Roughness Coefficient for Kushiyara River Using HEC-RAS 1D Model	M. S. Basir, R. T. Khan & S. Halder
	101	A Review on Sediment Transport Models of Tidal Rivers	A. Akter & L. Bhattacharjee

Time	Event		Day-1: 21 March 2018
9:00 am–10:30 am	**Technical Session-II (Venue-C)** Theme: **Water and Wastewater treatment** Chair: Prof. Dr. Rowshan Mamtaz, Chairman, CERM, BUET.		
	ID	Paper Title	Authors
	007	Assessment of Hydro-Geological Parameters and Groundwater Quality for South East and South West Regions of Bangladesh	M. A. Amin, S. M. S. Newaz, A. F. M. A. Hossain, et al.
	019	Adsorption Parameters & Isotherm Study of a Process to Uptake Hazardous Dye from Wastewater Using Eichhornia Crassipes as Bio-Adsorbent	S. Parvin, M. A. Hossen, M. W. Rahman & M. A. Ruman
	021	Removal of Hexavalent Chromium from Tannery Wastewater by Rice Husk and Rice Husk Ash	S. Zaman, T. K. Chakraborty, A. A. Sumi & G. C. Ghosh
	059	A Comparative Study of Pollutant Removal Efficiency Between Constructed Horizontal and Vertical Flow Wetland System Using Saw Dust and Stone Chips for Municipal Wastewater	P. Sarker, U. Habiba & S. M. Tariquzzaman
	077	Wastewater Quality Assessment Discharging to the Padma River in, Rajshahi, Bangladesh	M. A. Saleh & M. Roknuzzaman
	090	A Study on Environmental Fate of Neonicotinoid in Soil and Groundwater and its Impact on Human Health: A Review	T. S. Tofa & M. R. Islam
	104	A Study on ISO 14001 Environment Management System in Bangladesh	R. B. Adnan
	106	Use of Membrane Bioreactor for the Treatment of Waste Water	S. M. Shafi & N. Tabassum
	131	The Effectiveness of Locally Available Charcoal in Removing Dye from Industrial Waste Water	M. Islam, M. M. Rana, A. K. Majumder & A. A. Nayeem
	126	Evaluation of a Water Treatment Plant in Chittagong City, Bangladesh	M. R. Samrat, P. Chowdhury, A. A. Shuvo & M. S. Basir
	103	An Experimental Study On The Industrial Effluent Treatment Plants With Oil Seperation Technique	R. B. Adnan
10:30am–11:30am	**Inauguration Ceremony (Venue-A)**		
11:30 am-11:40am	**Refreshment**		
11:40 am-12:40 pm	**Keynote Speech-I (Venue-A)** Title: Sustainability of Integrated Water Resources Management: lessons of the bilateral Bangladesh-Netherlands cooperation (1976-2016) Speaker: Ir. Peter de Vries, Thematic Expert Water Management, Embassy of the Kingdom in the Netherlands, Dhaka. Chair: Prof. Dr. Md. Jahangir Alam, Ex-Vice Chancellor, CUET		

Time	Event		Day-1: 21 March 2018
12:40 pm-1:30 pm	**Water quiz & Fluid Mechanics Challenge (Venue-B & Venue-C)**		
1:30 pm-2:30 pm	Prayer and Lunch Break		
2:30 pm-4:00 pm	**Technical Session-III (Venue-A)** Theme: **Sustainable Development** Chair: Prof. Dr. Md. Moinul Islam, Head, Dept. of CE, CUET.		
	ID	Paper Title	Authors
	10	El Nino Southern Oscillation: Links and Potential for Long Range Flood Forecasting in the Jamuna and the Ganges Rivers	S. Mona & H. Zobeyer
	28	Use of High Strength Concrete in Columns of RC Building for Cost Effectiveness and Sustainability	M. A. Rahman, M. T. Islam & I. Ahmed
	40	Impacts of Water Management Practices on Livelihood of Farmers in a Lowland Area of Bangladesh	T. Naher & M. N. Kadir
	46	Economic Value Determination of a Wetland Using Contingent Valuation Method: A Case Study on Chalan Beel in Natore District, Bangladesh	A.A. Kafy, L. Ferdous, S. Ali & P. K.Sheel
	61	The Complete Recent Scenario of Hakaluki Haor Based on the Environmental and Socio Economic Analysis	S. M. Shafi, N. Tabassum & A. N. Mowrin
	62	Halda River Front Development in Chittagong, Bangladesh	R. B Ishan, R. Roy & G. Hasan
	71	Utilization of Waste Plastic to Manufacture Plastic Sand Bricks	T. B. Rahman & S. N. Jewel
	80	A Review on Groundwater Resources: Challenges & Opportunities	S. M. Shahriar, M. H. Masum & A. S. Bhuyan
	82	Rank Based Hazard Severity Analysis after Tidal River Management (TRM) in Beel Bhaina	M. B. Edrish, S. Yeasmin & S. Rahman
	86	Using Contingent Valuation Method to Determine Economic Value of Padma River Wetland in Rajshahi District, Bangladesh	A. A. Kafy, S. Ali, L. Ferdous & P. K. Sheel
	99	Impacts of Climate Change on Water Quality in Coastal Parts of Khulna, Bangladesh	A. I. Tokey & S. A. Shioma
	135	A Proposal for Concrete Structures' Environmental Exposure Classifications in BNBC Draft	G. M. S. Islam & F. H. Chowdhury

Time	Event		Day-1: 21 March 2018
2:30 pm-4:00 pm	**Technical Session-IV (Venue-B)** Theme: **Water supply, Sanitation & Health** Chair: Prof. Dr. G. M. Sadiqul Islam, Dept. of CE, CUET.		
	9	Ablution Water Management through Motivation	S. Rahman, M. Abdullah & Y. A. Harun
	11	Impacts of Salinity in Drinking Water on Human Health in Coastal Zone of Bangladesh	T. Bagchi, A. Sarkar & M. E. U. Zannat
	27	Drinking Water Quality Status and Treatment for Safe Water Supply in Jessore Municipality, Bangladesh	E. Sultana & G. C. Ghosh
	37	A Study on Rainwater Harvesting in Hilly Areas of Bangladesh	M. H. Masum, K. H. Sabbir & R. R. Riaz
	53	Assessment of Water Quality and Water Supply System of Rajshahi WASA in Bangladesh	S. Akter, L. Ferdous & A. A. Kafy
	88	Health Risk Analysis of Heavy Metals in Surface in Groundwater from Nearby Waste Landfill in Khulna	P. K. Mahanta & M. R. Islam
	96	Rainwater Harvesting in Coastal Areas of Bangladesh	M. H. Masum, M. H. Nazir F. Ahmed & S. Islam
	100	Rainwater Harvesting Potentialities to Reduce Overextraction of Groundwater In Chittagong City	A. Ullah, M. Hasan & S. Das
	110	Water Supply and Sanitation Scarcity Assessment of Urban Slum: A Comprehensive Case Study for Mirpur	A. A. Akhie & A. Ahmed
	130	An Assessment of Aquifer Potential in and around Proposed Well Field Area Near Madunaghat, Chittagong Using Isotrope Techniques	N. Ahmed, M. A. Choudhry, M. M. Karim, N. Deb, A. Q Bhuiyan, H. N. Khan & M. A. Ahsan
	63	An Analysis of Water Demand And Availability Under Different Housing Conditions in Rajshahi City	S. Roy & A. Faisal
4:00 pm-4:30 pm	Prayer and Tea Break		
4:30 pm-5:30 pm	**Keynote Speech-II (Venue-A)** Title: Water Resources Management in Bangladesh: Challenges and Way Towards Achieving Sustainable Water Environment Speaker: Prof. Dr. Md. Abdul Matin, Dept of WRE, BUET. Chair: Prof. Dr. Md. Abdur Rahman Bhuiyan, Dean, Faculty of CE, CUET.		

Time	Event		Day-1: 21 March 2018
5:30 pm-6:20 pm	**Invited Speech-I (Venue-A)** Title: Climate Change and Water Related Disasters in Bangladesh: Learning From the Past Speaker: Prof. Dr. Md. Shahjahan Ali, Head, Dept. of CE, KUET. Chair: Prof. Dr. Mahmood Omar Imam, Dept. of CE, CUET.		
11:30 am-6:20 pm	Poster presentation & Photography contest **(Venue-D)**		
7:30 pm-8:30 pm	Cultural Evening and Banquet **(CUET Auditorium)**		
End of Day-1			
Day-2: 22 March 2018			
9:00 am–10:30 am	**Technical Session-V (Venue-A)** Theme: **GIS & Remote sensing in WRE** Chair: Prof. Dr. Md. Shahjahan Ali, Head, Dept. of CE, KUET.		
	ID	Paper Title	Authors
	003	Estimation of Runoff of Dharla River Basin using GSMAP Satellite Estimated Precipitation Data	B. Sen & M. A. Islam
	016	Meteorological Drought Monitoring Using Satellite Imagery: A Case Study on Rajshahi, Naogaon and Jaipurhat of Bangladesh	S. Reza, M. N. Islam & M. M. Rahman
	032	A GIS Based Spatial Accessibility Assessment of Rural Sanitation Facilities	M. Arafat, M. H. Hasan & M. M. Rahman
	041	Influence of Land Cover Change on Land Surface Temperature Using RS And GIS Techniques: A Case Study of Gazipur District	M. S. Sikdar, D. R. Raja & M. K. Islam
	047	Pond Filling Locations Identification Using Landsat-8 Images in Comilla District, Bangladesh	A. A. Kafy & L. Ferdous
	050	The Rainfall Distribution Characterization and Flood Extent Mapping Using SAR Satellite Image: A Case Study in North Western Part of Bangladesh	S. Reza, L. Ferdous, M. S. Zubayer & T. Chakraborty
	044	Predicting the Morphometric Change of Urban Water Bodies in Chittagong Metropolitan Area	G. Hasan, T. Jahan & P. Aich
	054	Monitoring Water Surface Temperature by Satellite Remote Sensing: A Case Study on River Karnaphuli	M. N. Uddin & S. Ara
	055	Erosion-Deposition Scenario Along the South-Western Coast of Bangladesh	T. T. K. Pinky, J. A. Ferdous, A. Narzis & G. M. J. Hasan
	058	A Study on the Impact of High End Emission on the Crop Yields at the Coastal Region of Bangladesh	A. S. Hasan, F. Akhter & M. M. Rahman
	119	Plan Form Analysis of Teesta River	F. Ahmad, P. Das & A. Dey
	133	Flood Hazard Zoning Assessment of Chittagong City Using GIS and Multi Criteria Decision Analysis	R. B. Ishan, R. Roy, G. Hasan & T. M. Intezar

Time	Event		Day-2: 22 March 2018
9:00 am–10:30 am	**Technical Session-VI (Venue-B)** Theme: **Urban Hydrology and Drainage** Chair: Prof. Dr. Sudip Kumar Pal, Dept. of CE, CUET.		
	ID	Paper Title	Authors
	039	Waterlogging Vulnerability Assessment in Chittagong City	M. H. Masum & J. Hossen
	045	Exploring the Association of Surface Water Body Change and Rapid Urbanization in Rajshahi City Corporation (RCC) Area Using RS And GIS	A. A. Kafy, L. Ferdous, A. A. Faisal, H. A. H. Khan & P. K. Sheel
	057	Assessment of Storm Water Carrying Capacity of Natural Drainage Channels for Sylhet City	G. M. Munna & M. J. B. Alam
	072	Water Urbanism and Responsive Solutions: A Case Study of Mahesh Canal in Chittagong, Bangladesh	F. Hoque & S. Nowsin
	081	Water Logging and its Management in South-West Region of Bangladesh: A Case Study on Polder No. 26	M. S. Hasan, M. A. Rahman & S. R. Sheonty
	093	Development Measures for an Efficient Drainage System at Bahaddarhat-Chawkbazar in Chittagong	F. Munni & M. N. I. Milon
	095	Storm Water Drainage of Army Housing Scheme in Jolshiri Abashon	G. C. Paul, A. T. M. H. Zobayer & M. S. Basir
	098	Seasonal Water Logging Problem in an Urban Area of Bangladesh: A Study on Pabna Pourashava	M. R. Hasan. M. T. Hossain L. A. Khan & S. Afrin
	105	A Case Study on Water Logging in Ward No.12 of Pabna Municipality	A. Sultana & M. Akter
	111	Impacts of Overflowing of Chaktai Khal	D. Majumder, K. F. B. Mahmud & S. K. Palit
	128	Estimation of the Changes in Wetlands of Dhaka City from Landsat Images	J. Ferdous & M. T. U. Rahman
10:30 am-10:50 am	World Water Day-2018 Rally		
10:50 am-11:05 am	Tea Break		
11:05 am-11:50 am	**Invited Speech-II (Venue-A)** Title: **Nature Smart for a Sustainable Water Future of Bangladesh** Speaker: **Prof. Dr. Rowshan Mamtaz** Chair: Prof. Dr. Md. Saiful Islam, Dean, Faculty of Architecture & Planning; and Director, DRE, CUET		
11:50 am-1:00 pm	**Closing and Prize giving Ceremony followed by lunch**		

*__Venue A:__ Civil seminar room, Civil building (1st floor); __Venue B:__ Room No.: 1203, Civil building (1st floor)
__Venue C:__ Room No.: 1202, Civil building (1st floor); __Venue D:__ Room No.: 1222, Civil building (1st floor)