

Program Schedule for ICCESD 2020

Reporting, Collection of Conference Kits and Tour Tickets

- February 06, 2020 Thursday Time: 15:00~18:00
- February 07, 2020 Friday Time: 08:30~09:15

Venue: Civil Engineering Building, KUET

Day 1: February 07, 2020 (Friday)		
Time	Venue	Events
09:15-10:15	SWC Building	Inaugural Ceremony of ICCESD 2020
10:15-10:45	SWC Building	Refreshment
10:45-12:00	SWC Building	Keynote Session
12:00-15:00	CE Building/ Mosque	Friday Prayer & Lunch Break (13:45-15:00)
15:00-16:30	CE Building	Parallel Technical Sessions (I, II, III, IV)
16:30-17:00	CE Building	Coffee & Prayer Break
17:00-18:00	CE Building	Parallel Technical Sessions (V, VI, VII, VIII)
18:00-18:15	CE Building	Coffee & Prayer Break
18:15-19:20	CE Building	Parallel Technical Sessions (IX, X, XI, XII)
19:20-20:30	CE Building	Dinner

Day 2: February 08, 2020 (Saturday)		
Time	Venue	Events
09:00-10:00	CE Building	Parallel Technical Sessions (XIII, XIV, XV, XVI)
10:00-10:20	CE Building	Coffee Break
10:20-11:20	CE Building	Keynote Session
11:20-12:20	CE Building	Parallel Technical Sessions (XVII, XVIII, XIX, XX)
12:20-13:20	CE Building	Parallel Technical Sessions (XXI, XXII, XXIII, XXIV)
13:20-14:30	CE Building	Lunch & Prayer Break
14:30-15:45	CE Building	Parallel Technical Sessions (XXV, XXVI, XXVII, XXVIII)
15:45-17:15	CE Building	Parallel Technical Sessions (XXIX, XXX, XXXI, XXXII)
19:00-21:00	Teachers' Club Building	Closing Ceremony of ICCESD 2020 & Conference Dinner

Day 3: February 09, 2020 (Sunday)		
Time	Reporting	Events
07:00-19:00	06:45 at CE Building	Conference Tour

CONFERENCE PROGRAM

DAY-1: February 07, 2020, Friday

Technical Session I		Environmental Engineering I	Venue: Seminar Room A Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
15:00-16:30	4125	Investigation of Physicochemical Parameters of Effluent from Textile Industries of Bangladesh	Kazi Mahbubur Rahman, Kh.Afia Farzana Haque, Khadiza Binte Jalal, Md.Mizanur Rahman, Nondon Chondra Roy
	4209	Current Status of Urban Environment: A Case Study on Paikgacha Municipality, Khulna	Sadia Shama, Farista Yeasin, Waseque Al Asif, Md. Nazmul Haque
	4221	Trend analysis of Air Quality in Dhaka City Considering Meteorological Parameters	Sk. Rakibul Islam, Shohoria Afrin Shorno, Muhammad Ashraf Ali
	4227	Composting of Tannery Limed Fleshing	Shimul Ghosh, Prithweeraj Karmoker, Dr. Md. Abul Hashem, Husne-Al-Jabeen
	4239	Composting of Leather Shaving Dust: Waste to Wealth Approach in Tannery	Belal Hossain, Md. Abul Hashem, Sakil Sazzad, Md. Sahariar Sahen
	4242	Water Quality Assessment of Tongi Khal (Canal) During Dry Season	Partho Das, Muhammad Ashraf Ali
	4251	Occurrence and Quantification of Microplastics in Selected Waterbodies of Dhaka City	Nur Shadia, Sumaiya Sharmin, Faika Tasnim Ayshi, Dr. Muhammad Ashraf Ali

Technical Session II		Structural Engineering I	Venue: Seminar Room B Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
15:00-16:30	4104	A Comparative Study on Pervious Concrete and a Way to Reduce its Permeability	Jesika Rahman, Md. Jahidul Islam
	4146	Experimental Study on Compressive Strength and Failure Mode of GFRP Wrapped Concrete Cylinder	Md. Rezaul Islam, Riyadul Hashem Riyad, Pranta Roy
	4167	Artificial Lightweight Aggregate Production using Rice Husk Ash	Md. Sajjad Hossain, Abu Zakir Morshed
	4188	Axial Capacity of Circular and Non-Circular Concrete Columns Confined with JFRP and CFRP Under Cyclic Loading	Tamanna Nabila Islam, Riyadul Hashem Riyad, Towsif Mahdi Nur
	4224	Nonlinear Inelastic Behavior Modeling via Bouc-Wen Model for Real-time Control Implementations	Mohammad Shamim Miah, Md Jihad Miah, Ou Yaowen
	4266	Mechanical Properties of High-Strength Mortar made with Induction Furnace Steel Slag as Fine Aggregate	Md Jihad Miah, Mohammad Shamim Miah, Md. Munir Hossain Patoary
	5262	Effect of Mixing Water pH on Concrete	Chinmoy Dutta, Md. Abdur Rakib, Md. Akhtar Hossain and Muhammad Harunur Rashid

Technical Session III		Water Resources Engineering I	Venue: Seminar Room C Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
15:00-16:30	4122	Flood Inundation Mapping on Teesta Floodplain using HEC-RAS 1D/2D Couple Model	Tarannum Tabassum Islam, Mashrura Yeasmine Auditia, Purnima Das, Dr. Md. Sabbir Mostafa Khan
	4137	Numerical Modelling of Flow in a 90° Channel Confluence	Shafiqul Islam Shakil, Md. Jahir Uddin , Chandan Mondal
	4161	Generation Inundation Map of Atrai River using HEC-RAS 1D/2D Coupled Model	Proma Maria Rozario, Kazi Mushfique Mohib, Sahika Ahmed, Purnima Das, Dr. Md. Sabbir Mostafa Khan
	4164	Flood Inundation Mapping of Kushiyara River using HEC-RAS 1D/2D Coupled Model	Kazi Mushfique Mohib, Proma Maria Rozario, Sahika Ahmed, Purnima Das, Dr. Md. Sabbir Mostafa Khan
	4173	Causes and Effects of Water Logging in Mirpur Area, Dhaka City.	Sk. Md. Imdadul Islam, Md Robel Hossen, Md Mhedhi Hasan, Md Imamul Hasan
	4182	Impact of Water-Logging Due to Climate Change Scenarios Inside Coastal Polders-24, 25 of Bangladesh	Md Jahid Hossain, M Aminul Haque, Md. Jamal Haider, Anisul Haque
	4347	Flow Augmentation of Dhaleswari River using an Unsteady Flow Model HEC-RAS	Md. Raiful Islam, Md. Abdul Matin

Technical Session IV		Transportation Engineering I	Venue: Seminar Room D Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
15:00-16:30	4113	Study on Pedestrian Crossing Behaviour at Un-Signalized Intersection in Chittagong City	Towhidul Islam
	4116	Intersection Design as a Roundabout	Towhidul Islam, S. M. R. Rahman
	4149	Effect of Waste Bones and GGBS as Modifier for Bitumen in Construction of Flexible Pavement	Afia Adiba, Rafiuzzaman Sadi, Riyadul Hashem Riyad
	4191	Effect of Non-Motorized Transport (NMT) On Road Segment from Notun Rasta To B. N. School and College, Khulna	Ataher Ali Lipu, Sadika Maheruma Khan, Shahriar Ferdous
	4257	Improvement of Urban Tourism: Analyzing the Factors of Transportation Network for Visitors in Chattogram, Bangladesh	Anik Gouala Agun, Nandita Banik
	4272	Forecasting Air Freight Transportation Demand using Log-Linear Model for Socio-economic Factors	Nafisa Tabassum, A.F.S. Ahad Rahman Khan
	4371	Performance Evaluation of Dhaka Chaka Bus Service	Fariha Tasnim, Md Abdullah Al Hasan, Dr. Md. Shamsul Hoque

Technical Session V		Environmental Engineering II	Venue: Seminar Room A Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
17:00-18:00	4275	Comparative Study of Rainwater Quality at CUET Campus Area, Harvested from Rooftop and Open Space	Md. Arif Hossen, Dr. Asiful Hoque
	4302	Assessment of Water Quality at Consumer Level and at Source in Dhaka City	Faria Tasnim, Md. Delowar Hossain, Dr. Muhammad Ashraf Ali
	4488	Evaluation of Drinking water quality in terms of water quality index for Faridpur Sadar Upazila	Md. Aminul Islam Khan, Anika Tahsin
	4728	Opportunities and Challenges of Managed Aquifer Recharge (MAR) at Drought Prone Water Stressed Barind Area, Bangladesh	Md. Iquebal Hossain, Md. Niamul Bari, Shafi Uddin Miah
	5163	Adoption of Water Efficient Plumbing Fixtures, A Case Study of a Residential Building	B. Basak, M. T. H. Tuhin, N. Ahmed, K. M. Uddin, S. K. Pal

Technical Session VI		Geotechnical Engineering I	Venue: Seminar Room B Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
17:00-18:00	4101	Parametric Sensitivity in Large Deformation Analysis by Smoothed Particle Hydrodynamics (SPH)	Md Aftabur Rahman, Nafisa Tabassum, Mohammed Russedul Islam
	4158	Evaluation of Low Volume Rural Road Damage in Coastal Areas of Bangladesh	Md. Jahangir Alam, Muhammad Saiful Islam, Mohammed Emdadul Karim, Md. Shamsul Hoque
	4212	Buried Pipeline under Seismic Excitations: A Review	Sanjoy Das, Md Aftabur Rahman, Sultan Mohammad Farooq
	4299	Effect of Ordinary Portland Cement and White Cement on Unconfined Compressive Strength of Clay	A S M Fahad Hossain, Ubaidullah Al Mahfuz, Sheikh Shad Muhammad, Israt Jahan Tazin
	4326	Different Properties of Cox's Bazar Sea Sand	A.S.M. Fahad Hossain, Md. Nayem Hasan, Md. Tauhidul Islam Akanda Tonmoy, Moumita Khan Raka

Technical Session VII		Water Resources Engineering II	Venue: Seminar Room C Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
17:00-18:00	4200	Assessment of Environmental Flow Requirement of Teesta River by Hydrological Methods	Fardini Khandaker, Dr. Md. Ataur Rahman
	4293	Assessment of Meteorological Drought and Annual Rainfall Trends of Different Areas in Bangladesh	Rokshana Pervin, Md Kalimur Rahman, Ashraful Islam
	4317	Flood Inundation Mapping of Major Rivers of Bangladesh using HEC-RAS 2D	Md. Mukdiul Islam, Dr. Md. Ataur Rahman
	5190	Water vulnerability and sustainability scenario of a typical populous city of least developed country	Emon Roy, Md Salman Rahman, Nadia Sultana Nisha and Amlan Majumder
	5250	Morphological Characteristics of Inner Bar Area of Pussur River in Bangladesh	Md. Inzamal Haque Prince, Md. Motiur Rahman, and Md. Shahjahan Ali
	5253	Change in Transverse Slope of Water Surface at River Bend: A Numerical Study	Priyata Rahman, MD. Shahjahan Ali

Technical Session VIII		Transportation Engineering II	Venue: Seminar Room D Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
17:00-18:00	4287	Transportation Safety in the Inland Waterways of Bangladesh: Challenges and Mitigation Options	Md. Imran Uddin, Md. Asif Raihan, Shahrior Pervaz
	4290	Performance Analysis of Off-Street Parking and On-Street Parking Around the Khulna City Corporation (KCC) Khulna, Bangladesh	Md. Mahadi Hashan Shakil, S. M. M. Rasel Hasan
	4296	Socio-Economic Impact of Traffic Congestion – A Case Study of Chittagong City	Omar Faruk, Dhrouba Jyoti Dhali, Amit Das, Swapan Kumar Palit
	4311	A Review of Motorcycle Safety Situation in Bangladesh	Shahrior Pervaz , Dr. Md. Mizanur Rahman, Shahnewaz Hasanat-E-Rabbi, Md. Imran Uddin, Md. Mahbubur Rahman
	4323	Urban Road Safety Situation in Bangladesh: A Synopsis	Shahrior Pervaz, Dr. Md Asif Raihan, Dr. Md. Mizanur Rahman, Md. Imran Uddin

Technical Session IX		Environmental Engineering III	Venue: Seminar Room A Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
18:15-19:20	4308	Assessment of Indoor Air Quality at Selected Schools along CUET to Bahaddarhat road in Chattogram	Md. Arif Hossen, Dr. Asiful Hoque, Md. Shafiul Lah Khan, S.M. Tanvir
	4314	Water Supply, Sanitation System and Water-Borne Diseases of Slum Dwellers of Bastuhara Colony, Khulna	Pranta Roy, Md. Ashik Ahmed, Md. Sajedul Islam, Dr. Md. Abul Kalam Azad, Dr. Md. Saiful Islam, Md. Rezaul Islam
	4341	Particulate Matter Concentration Emitted from Heterogeneous Traffic Near Urban Roadways in Khulna City	Md Emran, Jobaer Ahmed Saju, Quazi Hamidul Bari
	4380	An Assessment on Water Quality of The Ichamati River and Its Impacts on Livelihood of Pabna City	Sabrina Rashid Sheonty, Nazeat Amin Iqra
	4407	Application of a polymer in drinking water treatment: A Case Study	Md. Serajuddin, Md. Aktarul Islam Chowdhury, Md. Mahmudul Haque, Md. Ehteshamul Haque
	5211	Application of Bio Coagulant on Drinking Water Treatment	Md. Shakhawath alam and Sk. Md. Imdadul Islam

Technical Session X		Structural Engineering II	Venue: Seminar Room B Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
18:15-19:20	4269	Seismic Behavior of Concrete Bridge Piers of Different Dimensions	Ahmed Farhan Ahnaf Siddique, Dr. Tahsin Reza Hossain
	4368	Rheological and Mechanical Properties of Recycled Waste Glass Concrete as Partial Replacement of Fine Aggregate	Md. Saeid Ebna Maleque, Md. Mizanur Rahaman, Md. Habibur Rahman Sobuz
	4455	Lateral Live Load Distribution Factors of a Curved Composite Bridge	M. Hossain, M. B. Zisan, P. K. Das
	4527	Experimental Investigation on Mechanical Properties of Naturally Corroded Steel Bars	Matiur Rahman Raju, Amel Cato, Ignasi Fernandez
	5268	Performance of Mortar Incorporating Ceramic Waste Powder as Partial Replacement of Cement	S.M. Shaik-ul-Karim, Shafkat Ahmed and Ismail Saifullah
	5280	Impact on Physical, Mechanical and Functional Properties of Autoclaved Aerated Concrete with Aluminium and Autoclaving Temperature	Mohei Menul Islam, Muhammad Harunur Rashid and Md. Aqib Muntasir

Technical Session XI		Water Resources Engineering III	Venue: Seminar Room C Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
18:15- 19:20	4374	Establishment of Rainfall Intensity-Duration-Frequency curves of Khulna	Sabrina Rashid Sheonty, G M Tarekul Islam
	4383	A Study on Pattern Identification of Bank Shifting Around Padma-Upper Meghna Confluence using Multi-Temporal Satellite Images	Faria Nur, Mohammad Mostafa Ali
	4386	Numerical Modelling for Planning and Hydraulic Design of Road and Associated Road Structures in Complex Physical and Hydrological Settings	Pintu Kanungoe, Abdullah Al Imran
	4416	Sustainable Sediment Management in a Selected Beel in South-West Region of Bangladesh	Md. Monirul Islam, Umme Kulsum Navera, Md. Rezanur Rahman
	4422	Estimation of Groundwater Recharge for Selected Urban Areas of Bangladesh using Water Table Fluctuation Method	Rifat Talha Khan, Pollen Chakma
	4437	Linear Stability Analysis of Coral Bed	Kaniz Farzana Rupa , Md. Jahir Uddin

Technical Session XII		Transportation Engineering III	Venue: Seminar Room D Date: 07/02/2020 (Friday)
Time	Paper ID	Paper Title	Authors Name
18:15- 19:20	4332	Achieving Operational Efficiency Through Integration of Non-Motorized Vehicle with Improved Bus System in Heterogeneous Traffic Condition of Dhaka	Swagata Dasgupta, Moazzem Hossain
	4335	Sensitivity Analysis of HDM-4 in Bangladesh	Md. Mizanur Rahman, Mithila Hasan , Jhara Bhowmik
	4350	Performance Evaluation of Roundabout Intersections in Dhaka Metropolitan City, Bangladesh	Noshin Saiyara Ahmad, Quazi Sazzad Hossain
	4356	Evaluating the Level of Traffic Congestion at Goalando More Intersection in Rajbari	Md. Anwar Hossain, Muhammad Lukman Husain, Md. Sazzat Ahammad Himel, Md. Ekhlash Uddin
	4359	On Street Parking Effects on Roadway Capacity and Parking Facility Based on Demand and Supply	Md. Anwar Hossain, Muhammad Lukman Husain, Md. Sazzat Ahammad Himel, Md. Ekhlash Uddin

CONFERENCE PROGRAM

DAY-2: February 08, 2020, Saturday

Technical Session XIII		Environmental Engineering IV	Venue: Seminar Room A Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
09:00-10:00	4443	Statistical and GIS Based Analysis of Physicochemical Parameters of Ground Water Samples around Rajbandh Dumping Site	Md. Refat Hossain , Dr. Kh. Mahbub Hassan
	4449	Municipal Wastewater Treatment using Natural Adsorbent in Rajshahi City Corporation	Md.Zahid Hassan, Dr. Anupam Chowdhury, Dr. Md. Kumruzzaman
	4467	Assessment of Seasonal Water Quality Variations of Highly Polluted Rivers in Bangladesh using FEWS Bangladesh System	Sifat Azad Papry, Dr. Muhammad Ashraf Ali
	4284	Spatial & Temporal Assessment of Groundwater Quality of Central Dhaka for Drinking Purpose	Wasif Bin Mamoon , Dr. Anika Yunus
	5238	Assessment of Particulate Matter and Noise Pollution at Different Road Intersections in Khulna City	Md. Abdus Satter, Jobaer Ahmed Saju and Md. Saiful Islam
	5226	Assessment of Water Quality in an Urban River using Pollutant Load Concept	Sadia Afrin,Khondoker Mahbub Hassan

Technical Session XIV		Structural Engineering III	Venue: Seminar Room B Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
09:00-10:00	4566	Experimental Study of Fiber Reinforced Concrete using Metallic and Non-Metallic Fibers	Shah Newaz Aftab, Chaity Karmakar, Hasan Mohammad Zakaria, Sristi Das Gupta
	4584	A Study on Impacts, Construction Challenges and Overcomes of Padma Multipurpose Bridge, Bangladesh	Md. Munirul Islam, A. S. M. Fahad Hossain, S. M. Abbas, Sadia Silvy, Md. Sayeed Hasan
	4590	Influence of tire chips size on the durability behavior of rubberized concrete	Afroja Sultana, Md. Roknuzzaman, Md. Belal Hossain, Abdullah Al Shourov
	4596	Analytical Modeling for Constitutive Relationship of Ultra-High-Performance Fiber Reinforced Concrete with Varying Sizes	Arafat Alam, Md. Habibur Rahman Sobuz
	4641	A Study on Seismic Vulnerability Assessment of Buildings of a Selected Area in Dhaka South City Corporation by RVS Method	Md. Hisamuzzaman, Fazle Azim Saif, Muhaiminul Ahmed Faisal, Pialy Biswas, Md. Saiful Islam
	4305	Structural strength and behavior of Profiled Steel Sheet- Concrete Composite Slab	S. M. Zahurul Islam, Bulbul Ahmed, Abu Sayed Md. Mahbub, Md. Jayed Siddique

Technical Session XV		Construction Engineering and Management	Venue: Seminar Room C Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
09:00-10:00	4362	Factors Affecting Delay and Safety on Construction Projects in Bangladesh	Tamim Adnan, Md Saeid Ebna Maleque, Md. Shah Jamal, Md. Habibur Rahman Sobuz
	4440	Development of Sustainable and Low-Cost Jute-Polyester Composite: Applicability assessment in housing sector	Sharaban Tohora, Subrata Chandra Das, Mubarak Ahmad Khan
	4716	Measurement of Degree of Safety Implementation at Various Construction Sites in a Developing Country Like Bangladesh	Md. Hamidul Islam, Md. Mehrab Hossain, Md. Nurul Islam
	4812	A Case Study to Find Out the Possibility of using Recycled Brick Aggregate of Natore Area for Low Strength Structure	A.T.M. Rakibul Hassan, Dr. Md. Mahmudur Rahman, Md. Jewel Rana, Md. Moniruzzaman Akash
	4932	Factors Affecting the Construction Productivity in the Context of Khulna city of Bangladesh	Md. Farhad Hossain Rakib, Sujan Howlader, Mizanoor Rahman
	5088	Crisis Management in the Construction Industry of Jashore City in Bangladesh	Md. Nurul Islam and Md. Hamidul Islam

Technical Session XVI		Transportation Engineering IV	Venue: Seminar Room D Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
09:00-10:00	4491	Impact of Ride-sharing on Public Transport in Dhaka City: An Exploratory Study	Mostari Jahan Heme, Atiya Anika, Sk. Md. Mashrur
	4560	Traffic Noise and Its Effects on Human Health and Behavior in Some Selected Intersections of Khulna City	G.M.Towhidul Islam, Md. Ariful Islam, Soykat Hassan Sabuj
	4629	A Comparative Study on Fly Ash, Bagasse Ash and Rice husk Ash using as a Sub-Grade Material in Expansive Soil	Md.Farhadur Rahman, GM Harun-Or-Rashid, Abu Bakar Siddique
	4638	Assessing the Performance of Flyovers in Chittagong City	S. M. Rahat Rahman, Md. Shahid Mamun and Ahad Ullah
	4644	Setting of Optimum Signal Timing using Vissim Software to Improve the Existing Traffic Operating Condition of T and Four Leg Intersection of Chittagong City	S. M. Rahat Rahman, Md. Shahid Mamun and Ahad Ullah
	5073	An Explorative Study on Students using Bicycle in Khulna City	Md Rashid Sahriar, Md. Tanvir Hossain

Technical Session XVII		Environmental Engineering V	Venue: Seminar Room A Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
11:20-12:20	4503	Removal of Excessive Nitrogen and Phosphorus Content from Urban Wastewater using Local Microalgal Bloom	Sumaiya Nusrat Chaitee, Rudra Protap Biswas, Md. Faruque Miah, Md. Imran Kabir
	4515	Impacts of Relocation of Tannery Industries on the River System of Dhaka	Rodoshi Ahmed, Ishraq Faruk, Sadia Marjia Ferdous, Muhtashim Rafiq Chowdhury, Dr. Rowshan Mamtaz
	4518	Impacts of Brickfields on Environment and Assessment of Environmental Laws: A Case Study of Pabna Sadar Upazila in Bangladesh	Ayesha Siddika, Ritu Saha, KH. Zubiada Gulshan, Farhana Tanvin, Md. Sohel Rana
	4557	Quality Assessment of Water using Water Quality Index Method: A Case Study on the Old Brahmaputra River, Jamalpur Segment.	Mahfuzur Rahman, S.M. Rabib Shahriar, Shahria Hasan, Md. Titumir Hasan
	4599	Investigation of Bio Gas Generation from Kitchen Waste of BUET Chattri Hall	Nishat Tasnim, Nayeema Jahan Sumya, Dr. Md. Abdul Jalil
	4602	Water Quality Index (WQI) of Shitalakshya River near Haripur Power Station, Narayanganj, Bangladesh	Rumman Mowla Chpwdhury, Adib Ashhab Ankon, Md. Kamruzzaman Shuvo, Md. Samsul Arefin

Technical Session XVIII		Structural Engineering IV	Venue: Seminar Room B Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
11:20-12:20	4722	A Comparative Study on Lateral Load Analysis by using ETABS Considering Two Different Versions of BNBC	Md Imran Islam Rabbi, Simoom Sadik
	4788	Effects of Rice Husk in Clay Blocks	Shegufta Zahan Sumaiya, Sanzida Akter, Dr.Raquib Ahsan
	5235	Non-Fired Building Block using Industrial Wastes	Sudipta Sarker, G. M. Sadiqul Islam, Monower Sadique and Ali Abdul hussein Shubbar
	5265	Performance of Concrete Under Elevated Temperature	Md. Arifuzzaman, Md. Maruf Molla and Muhammad Harunur Rashid
	5271	Influence of Mixing Water Temperature on Compressive Strength of Cement Grout	Md. Maruf Molla, Md Anisur Rahman, Md. Akhtar Hossain, Muhammad Harunur Rashid, Nazifa Zia, Firoz Mahmud
	5223	Performance of Concrete in Fire with Partial Replacement of Cement with Waste Ceramic Powder	Fazle Rabbi Rahik, Anindya Saha Antu and H.M. Iqbal Mahmud

Technical Session XIX		Water Resources Engineering IV	Venue: Seminar Room C Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
11:20-12:20	4458	Simulating Flood Risk due to Climate Change in the Padma River System using the 2D HEC-RAS Model	Subir Biswas, Mohammad Shahjahan Mondal, Md. Rashedul Islam
	4470	How Much Value Do People Place on Conserving the Coastal Freshwater Wetland in Bangladesh?	Muhammad Mainuddin Patwary, Md. Al Amin, Sadia Ashraf, Faysal Kabir Shuvo
	4563	Historical Flood Inundation Studies at Several Important Locations of Dhaka City under Dhaka Mass Rapid Transit Development Project Line - 1	Md. Rashedul Islam, Dr. Mohammad Shahjahan Mondal, Subir Biswas
	4662	Influence of Vertical Plates on Force Coefficients of Square Cylinder by Numerical Simulation	Md. Naimul Haque
	4692	Application of Hydrological Methods to Assess the Environmental Flow of Gorai River in Bangladesh	Md. Mahmudul Hasan, Md. Shahjahan Ali
	4710	Performance of Geo Bag and Cement Concrete Block to Protect Right Bank of Padma River at Shariatpur District	Kazi Furkan Hossain, Md. Jahir Uddin
	4914	Prediction of Groundwater Level using Artificial Neural Network and Multivariate Time Series Models	Md. Abrarul Hoque and Sajal Kumar Adhikary

Technical Session XX		Transportation Engineering V	Venue: Seminar Room D Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
11:20-12:20	5094	A Typological Analysis on The Strategies of Bus Priority Lanes on City Streets: A Recommendation for Bangladesh	Tasnuva, S., Rahman, Farzana, Bayen, A. R., Ahmed, J., Kulsum, U., Roy, C.
	5097	Feasibility Study of Mass Rail Transit on Existing Rail Lines in Chattogram City	Jewel Rana Palit
	5106	Assessing Pedestrian Safety in Consideration of Existing Pedestrian Facilities	Dr. Farzana Rahman, Steve Evan Halder, Kazi Safiqul Islam
	5130	Performance Evaluation of Waste Tiles in Flexible Pavement Construction	S. A. Chowdhury, A. I. Sumon, B. Ahmed, M. A. Sobhan
	5241	Overview of The Highway Crashes in Bangladesh	Dr. Md. Mazharul Hoque, Shahrior Pervaz, Abdullah Al Nur Ashek

Technical Session XXI		Environmental Engineering VI	Venue: Seminar Room A Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
12:20- 13:20	4656	Feasibility Study of Waste to Energy Conversion from Municipal Solid Waste in Charlotte-Mecklenburg County, North Carolina	Sk Faisal Kabir, Livingstone Dumenu, Md Shams Al Rifat
	4677	Study on The Solids and Cod Removal of Shrimp Processing Wastewater Through a Slow Sand Filter in Khulna	Pronab Kumar Debnath, Quazi Hamidul Bari, Subinoy Biswas Nayan, Jobaer Ahmed Saju
	4686	Performance Study of Pilot-Scale Anaerobic-Aerobic Filter System for Faecal Sludge Treatment	Subinoy Biswas Nayan, Quazi Hamidul Bari, Pronab Kumar Debnath, Jobaer Ahmed Saju
	4689	A Study on Medical Waste Management Scenario of Badda Thana	Piash Saha, Aminul Islam
	4719	Oxidizers effect on sulfide removal from hair dissolving liming wastewater in tannery	Md. Abul Hashem, Mst. Nazmin Zaman Khan, Protima Roy
	5154	Assessment of the Environmental Quality of Sitakunda Ship Breaking Yard	M. T. H. Tuhin, B. Basak, M. R. Karim, N. Chowdhury, A. Hoque

Technical Session XXII		Structural Engineering V	Venue: Seminar Room B Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
12:20- 13:20	4944	Mechanical Behavior of Concrete Incorporating Recycled Plastic Bottle Fibers	Md. Rashedul Haque, Md. Shakil Mostafa, Sujit Kumar Sah
	4995	Behavior of Mortar Incorporate with Fly Ash and Stone Dust Curing in Saline Water	Iffat Haq , Nur-E-Jannat Pollen
	5040	Thermal Degradation of Enamel Paint Coating on Cement Plaster	Samiul Kaiser, M. S. Kaiser
	5046	Experimental Investigation on Thermal Performance of Cement Plaster Incorporating Insulating Materials	Al-Ishmam, Md. Mahfuzur Rahman
	5274	Performance of Waste Glass Powder Concrete Subjected To Fire	Md. Khaliqul Bari, Ismail Saifullah, Abdullah-Al-Taharat and Md. Abir Hossan
	5277	Flexural Performance of Steel-Polypropylene Hybrid Fiber Reinforced Concrete Beam: Experimental Investigations	Khandokar. Bakhtiar Rahman, Ismail Saifullah, S.M. Shaik-ul-Karim, and Shafkat Ahmed

Technical Session XXIII		Environmental Engineering VII	Venue: Seminar Room C Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
12:20-13:20	5193	Characterization of Urban Storm Water Quality for Different Land Uses	Anupam Chowdhury, Protik Chakraborty, Tamanna Tanjum
	5208	Color Removal from Industrial Wastewater by Adsorption using Banana Leaves Ash	Rabee Islam and Md. Niamul Bari
	5145	Variation of Air Pollutants in Khulna Railway Station Due to the Influence of Locomotives	Protay Mazumder, Jobaer Ahmed Saju, Q. H. Bari
	5229	Ecological Impact of Water and Sediment Contamination in Passur River Adjacent to Sundarbans	Anik Roy, Tahira Tasneem Rahman and Kh. Mahbub Hassan
	5187	Hydrothermal Liquefaction of Microalgae Cultivated in a Photobioreactor using The Wastewater Effluent from an Anaerobic Reactor	Sadib Bin Kabir, Bashirul Islam, Mehedi Hasan, Md. Khalekuzzaman
	5232	Investigation of Irrigation Water Quality & Soil Fertility Condition Around Bhadra River at Khulna	Md. Shahidul Islam, Khondoker Mahbub Hassan
	5178	Recovery of Microalgal Biomass using Moringa Oleifera as a Low-Cost Biocoagulant	Md Ahsan Ekhtelat, Md. Shahnur Hoque, Md. Rafsan Noon, Mehedi Hasan, Md. Khalekuzzaman

Technical Session XXIV		Geotechnical Engineering II	Venue: Seminar Room D Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
12:20-13:20	4329	Local Soil Improvement with Bentonite to make Cricket Pitch Speedy and Bouncy	Md. Rezaul Islam, Pranta Roy, Rafiuzzaman Sadi, Md. Ashik Ahmed
	4338	Effect of Variation of Water Level and Geometry on The Stability of The Padma Riverbank Slope for Different Soil Properties	Anika Tahsin Abha, Md. Azijul Islam, Eqramul Hoque, Md. Ferdousul Haque Shikder
	4395	A Case Study on Finite Element Simulation of the Staged Construction Method For Embankment	Piash Saha, Dr. Md. Rokonzaman
	4425	Influence of Lime Stabilization on The Geotechnical Properties of an Expansive Soil	Dr. Abu siddique, Maisha Masiyat, Sadman Hossain
	4494	Climate Resilient Rural Road Construction In Coastal District of Bangladesh	Dr. Md. Jahangir Alam, Muhammad Saiful Islam, Md. Shamsul Hoque
	4767	Effect of Organic Content on Stiffness of Cricket Pitch Soil	Md Kausar Alam Anik

Technical Session XXV		Environmental Engineering VIII	Venue: Seminar Room A Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
14:30-15:45	4725	Production of Activated Carbon from Rice Husk and Its Characterization	Md. Niamul Bari, Sharaf Anika, Md. Iquebal Hossain, Fatema Khatun
	4731	Detection of Water Salinity and Shortest Path for Water Supply System in Khulna City Corporation (KCC) Area: A GIS based Approach.	MD. Burhan Uddin Riyadh, Mimma Afrin, Md. Nazmul Haque, Md. Mustafa Saroar
	4737	Study on Pollutant Removal in Conventional and MBR System from Tannery Wastewater at Tied	Dr. Md. Delwar Hossain, Farhat Tahsin Prattoyee, Anjumand Ashraf
	4740	Toxicity Assessment for Tannery Sludge Contaminated Soil, using Red Amaranth (Amaranthus Cruentus)	Dr. Md. Delwar Hossain, Farhat Tahsin Prattoyee, Anjumand Ashraf
	4755	A Study on Land Use/Land Cover Mapping and Spatio-Temporal Change Detection around the Southern Part of Dhaka Metropolitan Development Plan (DMDP) using Remote Sensing Technique	Dr. Afzal Ahmed, Anindita Kaiser, Zaara Azad Samiha, Aditi Jahan Tonni
	4785	Assessment of the Applicability of Tannery Sludge Composting in Bangladesh	Md. Zubayer Hossain, Aysa Khanam, Md. Ariful Islam Juel, Al-Mizan
	5148	Salinity Movement and Distribution in Prepared Brick Samples	Q. Hamidul Bari~Showman Barua

Technical Session XXVI		Structural Engineering VI	Venue: Seminar Room B Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
14:30-15:45	5133	Performance-Based Design and Seismic Response of Mass Irregular Reinforced Concrete Special Moment Frame (RC-SMF)	A F M Salman Akhter, Yoyong Arfiadi
	5184	Effects of Sugarcane Bagasse Ash on Properties of Structural Mortar	Md. Rashidul Hasan, Nazmus Sakib, Md. Saiful Islam
	5196	Comparative Study Between Rectangular and Specially Shaped R.C Column on Seismic Response for Multistoried Building	Md. Rashedur Rahman, Tohur Ahmed and Afia Anjum Ulka Mony
	5220	Analysis and Design of Spiral Stair of a High Rise Building Supported on a Central Column	Tanzima Fahmid, Tohur Ahmed
	5244	Properties of Light Weight Foamed Concrete Made with Very Fine Local Sand	Md. Nahid Hossain, Abu Zakir Morshed, Mostafizur Rahman, Md. Sakib Ul Hafiz
	5247	Strengthening of Reinforced Concrete Beams by using External Steel Angle	Md. Omar Ali Mondal and Abu Zakir Morshed
	4236	Current status and developing possible solution of Accidental Fire Breakdown: A case study on Khalispur, Khulna.	Sadia Shama, Alif Sanim Shuhrid, Md. Nazmul Haque

Technical Session XXVII		Water Resources Engineering V	Venue: Seminar Room C Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
14:30-15:45	4194	A Comparative Study on Menongchara and Buraghat Rubber Dam Projects in Mymensingh	Faisal Ahmed, Asif Ahmed Rhythm, Zanit Ahmed Hridoy
	4917	Analyzing Long-Term Trends in Monthly and Annual Rainfall Over Western Part of Bangladesh	Zarin Tasnim, Sajal Kumar Adhikary
	4923	Financial feasibility assessment of rainwater harvesting system in coastal Bangladesh considering precipitation variability due to climate change	Mohammad Maksimul Islam, Sadia Afrin
	4953	Inundation Problem and Drainage System Analysis of BUET using EPA SWMM	Abdullah Mohammad Taher, Akramul Haque
	4989	Water Distribution System Modeling by using Epanet 2.0, A Case Study of CUET	MH Masum, N Ahamed, SK Pal
	5013	Numerical Investigation of Characteristics of Flow Around Spur Dikes with Ipsilateral Layout	Nur-E-Jannat Pollen, Md. Shahjahan Ali
	5055	A Demand-Driven Water Supply Management Framework for Rajshahi City Corporation of Bangladesh	Md. Masud Rana, Sajal Kumar Adhikary
	5166	Land Use Change Prediction of Cumilla City using GIS and Remote Sensing Technique with Cellular Automata Markov Analysis	M. F. Hasan, M. A. Rashid, N. Mostofa

Technical Session XXVIII		Environmental Engineering IX	Venue: Seminar Room D Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
14:30-15:45	4791	Comparative Study of Faecal Sludge Treatment Methods Employed in Three Municipalities of Bangladesh	Asma UI Hosna, Dr. Kh. Mahbub Hassan
	4794	Peoples' Perception of Rainwater Harvesting to meet Non-Potable Water Demand at KUET, Khulna.	Mashiat Noor-E-Zakir, Khondaker Mohammed Mohiuddin Ekram
	4815	Environmental Monitoring at and around The Matuail Landfill Site of Dhaka City using Remote Sensing	Md. Sayeduzzaman Sarker, Nokibul Alam Chowdhury, Md. Moshir Rahman, Rafsun Ahmad, Afzal Ahmed
	4881	Assessment of the Behaviour of Contaminants of a Waste Disposal Site at Khulna in Bangladesh using Fugacity Model	Md. Nafees Fuad Rafi, Sk. Atikur Rahman, Islam M. Rafizul
	4887	Prospects of Hybrid Up-Flow Anaerobic Sludge Blanket Reactor in Treating Textile Wastewater in Bangladesh	Farhan Khan, Mithun Waddadar, Tanvir Ahmed
	4896	Analysis of Heavy Metal Concentration in Soils of a Waste Disposal Site in Khulna using Soft Computing Systems	Shyamol Kumar Sarkar, Islam M. Rafizul
	4920	An Exploratory Study of Water Quality due to Water Logging and Drainage Congestion in the Bhabodah Area	Ananya Sarker, Khondoker Mahbub Hassan

Technical Session XXIX		Environmental Engineering X	Venue: Seminar Room A Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
15:45- 17:15	4926	Development of a Graphical User Interface (GUI) for Rainwater Harvesting System	Sabbir Ahmed
	4929	Linking Air Quality to Meteorology: A Multilinear Regression Approach	Sadia Afrin, Mohammad Maksimul Islam
	4941	Evaluating the Noise Absorption Performance of Acoustic Panels Made of Solid Wastes	Nijhum Afrin, Ganesh Chandra Saha, H. M. Imran, Shalah Uddin Ahmed, Monira Perven
	4965	Prediction of Solid Waste Generation with ANFIS and its Comparison with System Dynamic Modeling: A Case Study of Khulna City	Hasib Ahmed, Islam M. Rafizul
	4971	Analysis of Surface Water Quality Adjacent to the Waste Disposal Site in Khulna	Sumaiya Binte Harun, Islam M. Rafizul
	5010	Land Use Changes and its Impact on Environment: A Case Study on Urban Area in Khulna, Bangladesh	Md. Abdul Fattah, Syed Riad Morshed, Md. Nazmul Haque, Saima Rahman
	5175	Removal of Nutrients from Wastewater Effluent by the Cultivation of Microalgae in Photobioreactor (PBR)	Md. Shahnur Hoque, Md. Ahsan Ekhtelat, Md. Rafsan Noon, Mehedi Hasan, Md. Khalekuzzaman

Technical Session XXX		Geotechnical Engineering III	Venue: Seminar Room B Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
15:45- 17:15	4938	Quantification of Cracking Behavior of Composite Clay Liners	Abdullah All Noman, Islam M. Rafizul
	5103	Seismic Stability of Slopes in Layered Cohesive Soils	A. Hossain, M. A. A. Sadman and M. M. Rashid
	5256	Effect of Salinity on Strength and Deformation Properties of Cemented Sand at Different Exposure Conditions	Dipankar Chandra Barman, and Md. Kamrul Ahsan
	5259	Chp Value from Piezocone Dissipation Tests	Md. Julfikar Hossain, Md. Amar Bin Ibne Noman and Md. Razib Sarder

Technical Session XXXI		Water Resources Engineering VI	Venue: Seminar Room C Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
15:45- 17:15	4776	Salinity modeling of Kobadak-Sibsa river system by HEC-RAS	Akramul Haque, Dr.K.M. Ahtesham Hossain
	4806	Discharge, Rainfall and Pollution Load on Dhaleshwari River: A study on trend analysis	Md. Abdul Momen, Md. Ekram Uddin, Mehedi Hasan
	4824	Dredging and Dredged Material Management: A Case Study of Mongla Port	Motiur Rahman, Dr. Md. Shahjahan Ali
	4845	Performance Evaluation of Drainage Network using HEC-HMS Under Different Climatic and Land Use Conditions, A Case Study	MH Masum, J Hossen, SK Pal
	4908	A Positive Kriging Approach for Missing Rainfall Estimation	Nafisa Israt Jaman, Sajal Kumar Adhikary
	5181	Predicting Low Flow Thresholds of Halda-Karnafuli Confluence in Bangladesh	Aysha Akter, Ahad Hasan Tanim

Technical Session XXXII		Environmental Engineering XI	Venue: Seminar Room D Date: 08/02/2020 (Saturday)
Time	Paper ID	Paper Title	Authors Name
15:45- 17:15	5058	Hydro Chemical Assessment of the Groundwater Quality of Sylhet City	Mohammad Nayeem Hasan, Dr. Khalidur Rahman, Tajmunnaheer
	5067	A Case Study & Laboratory Investigation on The Presence of Salinity in Drinking & Irrigation Water at Coastal Areas in Bangladesh	Marzia Ashraf, Ahmad Sajid Hasan, Mohammad Karimul Absar Chowdhury
	5082	Modelling of ANFIS for Predicting Water Quality Index of Surface Water Adjacent to the Waste Disposal Site in Khulna	Md. Sajjad Hossain, Islam M. Rafizul
	5085	Recycling Practices of Electronic Waste in Khulna City, Bangladesh	S.M. Moniruzzaman, Sudip Paul
	5112	Occurrence of Microplastics at Ship Breaking and Recycling Zone of Bangladesh	Md Wahidul Haque, Tasneem Zafar, Ismail MM Rahman, Hiroshi Hasegawa, M Mosharraf Hossain
	5115	Material Flow Accounting of Aluminum in Bangladesh with Special Emphasis on Civil Engineering Sector	Shahana Sultana Ruma, Mohammad Mosharraf Hossain
	5118	Presence of Microplastic Particles in Edible Salts in Bangladesh	Tasneem Zafar, Md Wahidul Haque, S M Shamsul Huda, Mohammad Mosharraf Hossain
	5217	The Seed of Burmese Grape (Baccaurea Ramiflora) as Low-Cost Bio-Adsorbent for Removal of Methylene Blue from Wastewater	Ehsanur Rahman, Hridoy Roy, Shoeb Ahmed and Shakhawat H. Firoz