

Presentation Schedule of ICACE-2018

Environmental Engineering (Session-1)

Venue: Room No: 1201 , Department of Civil Engineering, CUET			
Session Chair: Prof. Dr. Sudip Kumar Pal			
Date: 19/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	20	Assessment of Sediment Oxygen Demand (SOD) Of Heavily Polluted Tongi Khal (Canal)	P. Das & M. A. Ali
2	50	Performance Assessment of Secondary Transfer Station for Solid Waste Management in Dhaka North City Corporation (DNCC)	S. Tabassum
3	52	Assessment of Noise Level and Its Impacts on Health in Different Industries Located In Khulna City	D. Banik, M. S. Islam & M. H. Mohaimin
4	65	Use of Ground Chickpea as Bio-Coagulant in Surface Water Treatment	Md, Delwar Hossain, SM Samin Ishraq, SK Rakibul Islam, Prottoy Kumar Sarker , Shadman Kaiser
5	71	Effect of Low Temperature on Hydrodynamics of A Hybrid Anaerobic Baffled Reactor (HABR)	Rezaul Haque, Md. Khalekuzzaman, Mehedi Hasan2, Khairul Islam & Fazle Rabbi
6	73	Performance Study of Concrete Block Made With Waste Materials as Partial Replacement of Sand	Ganesh Chandra Saha & Habibur Rahman
7	77	Potential of Iron-Coated Jute Fabrics to Decrease Arsenic Concentration of Groundwater In Irrigation Channel	T. Akter, T. M. Zahid, J. Saha, J. Nayeem, M. A. Ali
8	79	Enhanced Coagulation for Removal of Organic Carbon from Polluted Surface Water	Damayontee Roy, Lamiya Farah Chowdhury, NoshinNawar Reza, Muhammad Ashraf Ali

Environmental Engineering (Session-2)

Venue: Room No: 1202 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Niamul Bari Date: 19/12/2018 Time: 16:00-17:30			
SL	Paper ID	Paper Title	Author Details
1	97	Municipal wastewater treatment by using natural coagulants	A. Bushra, MD. N. Bari & MD. M. Hasan
2	103	Solid Waste Management in Chattogram City Corporation Area	M.H. Masum , S.I. Riyad, R.R. Riaz
3	112	Development of a respirometry and COD based rapid experimental protocol for analyzing wastewater sample	M. S. Rahman, M. Z. Mousumi, M. A. A. Sakib, T. J. CHY & M. S. A. Fahad
4	113	Development of an Electro-Resistivity Based Wastewater Analyzer for Indirect Estimation of COD TDS, Turbidity And Dissolved Co ₂	M. S. Rahman, M. S. A. Fahad, T. J. Chy, M. A. A. Sakib & M. Z. Mousumi
5	116	Calotropis gigantea leaf for goat skin preservation: Sustainable reduction of chloride in wastewater	M. A. Hashem, M. H. R. Sheikh, M. M. Islam, M. N. Arman, S. Payel
6	121	Mapping Spatio-Temporal Pattern of Land Surface Temperature (LST) of Dhaka Metropolitan Region and Its Implication on Land Use Change	Rafsun Ahmad, Jebunnesa Rahman, Maliha Tabassum and Afzal Ahmed
7	129	Guava Bark Charcoal Adsorbent for Chromium Removal from Tannery Disposal Site	Md. Abul Hashem, Rafiul Alam & Alvi Rownok
8	153	Assessment OF Water Quality Using Remote Sensing Techniques -A Case Study on Sylhet Metropolitan Area	G. Hasan, T. J. Ashrafi, M. S. Sikdar, S. M. Roy

Environmental Engineering (Session-3)

Venue: Room No: 1203 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Reaz Akter Mullick Date: 20/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	165	Factors affecting Activated Sludge Treatment Process	K. Tiwari, F. Ahmed & A. K. Ratul
2	192	Municipal Solid Waste Management in Dhaka City: An Evaluation Based On Life Cycle Assessment (LCA)	M. R. Mia & N. Majed
3	193	Removal of Ammonia Nitrogen and Hydrogen Sulfide from Tannery Wastewater Using Dried Tannery Sludge and Ferric Hydroxide Suspension	Shams Razzak Rothee, Adiba Tabassum & Dr. Md. Delwar Hossain
4	207	Exploring the Relationship between Urban Vegetation Loss and Land Surface Temperature Rise Using GIS and RS	M. Marufuzzaman & M. M. Khanam
5	241	Effect of Tannery Water on Physicochemical Quality of River Water	P. K. Ghosh & M. D. Hossain
6	322	Design and Operation of a Bench Scale Wastewater Treatment Plant for Shrimp Processing Industries	P.K. Debnath and Q.H. Bari
7	333	An analysis for deconstruction and demolition of residential buildings in Dhaka city	Md. Arafat Jamil and Md. Shah Jamal
8	337	GHG modelling using warm & management of MSW: a case study in Sunamganj Pourashavas	A. A. Akkhor & R. Sharmin

Environmental Engineering (Session-4)

Venue: Room No: 1203 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Sudip Kumar Pal Date: 20/12/2018 Time: 12:15-13:45			
SL	Paper ID	Paper Title	Author Details
1	345	Present condition of Burigonga River and its causes of pollution	S. S. Meheli, S. Anam & M. H. Aushi
2	369	Study on Rainwater Harvesting in Dacope Upazila, Khulna, Bangladesh	M. R. Ahmed, M. A. Ahmed, M. S. Islam, S. Saha
3	370	A Case study on environmental and health effect of brick field at Savar Upazila in Bangladesh	M.R. Ahmed, M.A. Ahmed, S. Saha & M.M. Ali
4	374	Performance evaluation of thin cement-sand mortar sheet as proton exchange membrane in bio-electrochemical system	M.S. Shajol, Z. Islam & M.F.R. Zuthi
5	378	Field study on Present Situation of the Buriganga river for the Harmful Effects of Plastic solid wastes	L. A. Pappya, S. Chowdhury
6	394	Roadside urination problem in Dhaka North City, Bangladesh	M. I. Islam, M. Rana & M. J. Alam
7	418	Effectiveness of SODIS (Solar Disinfection System) in Bangladesh	A. Islam, M. A. Ali & M. B. Nayeem
8	421	Assessment On Ground Water Quality Of Chittagong Water Supply And Sewerage Authority (CWASA)	S. Akter, M. A. Hossen, S. C. Das & M. A. Rahman

Environmental Engineering (Session-5)

Venue: Room No: 1222 , Department of Civil Engineering, CUET			
Session Chair: Prof. Asiful Hoque			
Date: 20/12/2018 Time: 14:30-16:00			
SL	Paper ID	Paper Title	Author Details
1	505	Use of an Air Entrapped Covering to Control Room Heating	Sk. Md. Kamal Uddin, Md. Ashiqul Islam, & Asfaq Hafiz
2	506	Use of Non-Air Entrapped Covering to Control Room Temperature	Sk. Md. Kamal Uddin , Asfaq Hafiz & Md. Ashiqul Islam
3	517	Characterization of water drained out from air conditioner	M. N. Bari and M. R. A. Sarker
4	520	A review on desalination using solar stills and various parameters affecting productivity	A. H. Abir, K. Paul & A. Hoque
5	532	Low-strength waste water treatment: anaerobic fluidized bed ceramic membrane bioreactor	Muhammad Aslam, Md. Arafat Rahman, Shakhawat Hossain
6	538	Drinking water quality assessment of Halishahar Thana in Chittagong city	Taifa Afrin Sarowary & M.F.R. Zuthi
7	539	Predictive models for disinfection by-products (DBPS) formation in drinking water: a review	F. Khan, M.F.R Zuthi, M. D. Hossain, M. N. I Bhuiyan
8	540	Evaluation of Combined Performance of Fly Ash and Activated Carbon for Tannery Wastewater Treatment	S. R. Sumon, M. S. R. Emon & S. K. Pal
9	541	Evaluation of thermal power plant discharge for alternative uses, a case study of Chittagong power plant	Bilton Basak, M. T. H. Tuhin & S. K. Pal

Geotechnical Engineering (Session-1)

Venue: Room No: 1202 , Department of Civil Engineering, CUET Session Chair: Prof. Mozammel Hoque Date: 19/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	26	Experimental Investigation of Embankment on Soft Soil under Cyclic Loading: Effect of input acceleration	R. Hore, S. Chakraborty, A. M. Shuvon, M. S. Mazhar and M. A. Ansary
2	27	Development of Zonation for Bangladesh based on Soft Clay using GIS	R. Hore, M. R. Arefin and M. A. Ansary
3	31	Soil improvement using lime and polypropylene fibers	Md. Monir Hossain, Ripon Chandra Malo, Mehedi Hasan Safi
4	48	Permeability Characteristics of Fly Ash and Lime Treated Soils	M. S. Islam, T. Islam & N. Khatun
5	68	Effect of Pile-Group Configuration on the Lateral Load Carrying Capacity of Pile in Sandy Soil	M. M. Sazzad, M. Ashikuzzaman, M. A. U. Roni & J. Islam
6	111	Development of a Microcontroller Based Soil Crack Detector with Tomographic Technology	M. S. Rahman, M. A. Nahid & A. Mushtaq
7	160	A qualitative analysis on the causes and consequences of indoor air pollution in the slum areas of Chittagong	S. Nuzhat, N. Islam & S. Arefeen
8	163	Spatio-Temporal Change Analysis of Wetland in Chittagong City Corporation by Remote Sensing and GIS Technique	M. S. N. Hredoy, M. N. H. Naim, M. S. Sikdar, M. K. Islam

Geotechnical Engineering (Session-2)

Venue: **Room No: 1203**, Department of Civil Engineering, CUET

Session Chair: **Mr. Sultan Mohammad Farooq**

Date: **19/12/2018** Time: **16:00-17:30**

SL	Paper ID	Paper Title	Author Details
1	185	Stability Analysis Of Hill Slope at Chittagong In Bangladesh: A Case Study at Foy's Lake Residential Area Hill	A. Hossain, & M. A. Alim
2	240	Stability Analysis of Selected Hill Slopes of Rangamati	T. E. Elahi, M. A. Islam & M. S. Islam
3	249	Liquefaction Potential Assessment Of Selected Zones at Rajshahi District In Bangladesh	A. Hossain, M. Ashikuzzaman & S. Hasnaeen
4	252	Numerical Investigation of Pullout Capacity of Horizontally Loaded Vertical Anchor Plates Embedded in Cohesionless Soil	S. Sakib & M. S. Islam
5	258	Experimental Studies on the Characteristic Behaviour of Dispersive Soil and Stabilization with Fly Ash	M. Ashraf & M.S. Islam
6	281	Effect of Groundwater Table on Pullout Capacity of Anchor in Frictional Soil	M. R. Rahman & M. S. Islam
7	313	Micromechanical Responses of Granular Materials Subjected to Load Reversal	M. M. Sazzad
8	351	Pressure Dependent Behavior of Granular Materials at Varying Intermediate Principal Stress by DEM	M. M. Sazzad & A. Hossain

Geotechnical Engineering (Session-3)

Venue: Room No: 1201 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Takashi Matsushima Date: 20/12/2018 Time: 12:15-13:45			
SL	Paper ID	Paper Title	Author Details
1	368	Soil Waste Remediation Using Vetiver Grass	M.S. Islam, S.M. Shams & F. Sulatna
2	382	An Experimental and Numerical Analysis of In-Situ Effect of Cement Hydration and Pull out Capacity of Grouted Soil Nailing	A. Ghosh, S. Chakraborty & A. Juneja
3	518	Estimation of pile bearing capacity using different methods	T. Islam & M. S. Islam
4	528	Improvement of soft soil by physical and chemical interaction	M.S. Rahman, S.M.Farooq & M. A. Rahman
5	534	Behavior of vertical strip anchor embedded in purely frictional soil under combined loading	Reshad Rahman, Md. Shafiqul Islam, Sudipto Kumar Debnath and Md. Rokonzaman
6	535	Effect of load inclination and eccentricity on pullout capacity of horizontal anchor in sand	Sudipto Kumar Debnath, Md. Shafiqul Islam, Reshad Rahman and Md.Rokonzaman

Structural Engineering (Session-1)

Venue: Room No: 1203 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Saiful Islam Date: 19/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	6	An Experimental Study on Mechanical Properties of Fly-Ash-Gypsum Bricks	T. U. Ahmed, M. Ashikuzzaman, Z. Alam
2	24	An Experimental Investigation on Performance of Bacterial Concrete	S. N. Priyom, M. Islam, and S. Islam
3	32	Evaluation of In-Situ Mechanical Properties and Quality of Concrete Structures by Non-Destructive Testing	M. Mohshin, Saeem, Shamim & Zobaeer
4	40	Effects of Different Sizes of Crushed Stones on Mechanical Strength of Concrete	S. Rahman & A. Ullah
5	43	Experimental Investigation and Finite Element Analysis of Reinforced Concrete Rectangular Beam	S. Rahman, E. Kabir, M. M. Hossain, M. Haque, K. Das, A. Rahman & A. A. Akhie
6	45	Mechanical properties of rubberized normal weight aggregate concrete- an experimental study	M. M. Kamal, S. K. Adhikary & M. A. Islam
7	55	Experimental Investigation of Compressive Strength of 12.5 mm Plastered Unreinforced Brick Masonry Wall	A. F. Mazumder, S. Hossain, M. R. Rana & M. S. Ali
8	61	Performance of recycled aggregate concrete as a fully replacement of natural aggregate	Md. A. Rahman, A. Rahman & Dr. M. Ahmed
9	62	Comparative Study Between Straight Bridge and Curved Bridge Using Steel Concrete Composite I Section	A. Roy, M. Begum

Structural Engineering (Session-2)

Venue: Room No: 1222 , Department of Civil Engineering, CUET Session Chair: Prof. Pennung Warnitchai Date: 19/12/2018 Time: 16:00-17:30			
SL	Paper ID	Paper Title	Author Details
1	72	A study to find the most similar real earthquake response spectrum to the response spectrum developed from BNBC 2006 normalized response spectrum	S M Shafi, Navila Tabassum & Faruque Ahmed Mazumder
2	84	Parametric study of RCC square column under fire	S. I. G. Shuvo, M. N. Uddin & M. R. Hossain
3	91	A Study on the Performance of Ferrocement Retrofitted Masonry Wall Units under Cyclic Loading	M. Z. Alam, M. M. Asif & R. Ahsan
4	110	Minimum Weight Design of A Plane Truss In MATLAB Using Linear Programming	A. F. Mazumder, T. Majumder, S. K. Rahul, A. Mahmud, and M. Rafael
5	115	Experimental Investigation of Compressive Strength of Plastered Unreinforced Brick Masonry Wall	A. F. Mazumder, M. A. Obaida, A. T. Siddique & A. Mahmud
6	145	Comparative study of structural performance using site specific response spectrum analysis	S. L. U. Islam & N. H. M. K. Serker
7	147	Performance test of micro-concrete reinforced with GI wire	A. Saha, K. Nazneen & M. Faysal
8	149	Seismic Vulnerability Assesment of existing buuilding in Dinajpur City	M. I. Mostazid, R. Anjum, & Fatem-Tuz-Jahara

Structural Engineering (Session-3)

Venue: Room No: 1222 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Rabiul Alam Date: 20/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	154	Strengthening of Reinforced Concrete Beams utilizing Ferrocement: Role of External Loading Positions	M. J. Miah, M. S. Miah and W. B. Alam
2	155	Durability Performance of Fair-Faced Concrete	M. J. Miah and M. S. Miah
3	156	Optimization of Mechanical Properties of High Performance Concrete made with Fly Ash and Blast-Furnace Slag	M. J. Miah, M. S. Miah, M. A. Uddin and M. Suzauddoula
4	177	Effect of internal curing on chloride diffusion coefficient of concrete	A. T. M. Masum, M. F. A. Khan, T. Torsha & T. Manzur
5	195	Sensitivity Analyses of Cost Optimized Solution of Post-tensioned Pre-stressed Concrete I-girder Bridge System	T.A.H.NISHAT, R.AHSAN
6	225	Efficacy of ordinary plaster to increase compressive strength of brick masonry wall	A. Mahmud, A. F. Mazumder, M. T. Ahmad & S. A. Emon
7	233	Determination of Chloride Absorption in Concrete – An Alternative Method for Assessing the Durability of Concrete in Low-Budget Laboratories	M. T. Islam, M. A. Rahman & I. Ahmed
8	237	Performance of partially plastic particle as coarse aggregate in producing concrete	M.S. Islam, M.H.R. Himon, M.M. Hossain, M.A. Islam
9	242	Numerical Solution of One-Dimensional Wave Equation by Finite difference Method	Md. Amirul Islam, Nurul Alam Khan, Abdur Rashid

Structural Engineering (Session-4)

<p>Venue: Room No: 1202, Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Abdur Rahman Bhuiyan Date: 20/12/2018 Time: 12:15-13:45</p>			
SL	Paper ID	Paper Title	Author Details
1	259	Chloride Diffusion Coefficients of Some Common Concrete Mixes of Bangladesh	Naqib Mashrur, Nurul Afcher Shishir, Mohammad Wasiful Islam, Zahid Hasan Sehab, Md. Jihan Hasan & Tanvir Manzur
2	260	A Study on Compressive Strength of Fiber Reinforced Concrete Using Earth Material Powder and Marble Dust as Partial Replacement of Cement and Sand	S.C. Malo & M. N. Haque
3	262	Permeability measurement of a pervious concrete	J. Rahman & M. J. Islam
4	335	Structural analysis of semi-submersible offshore platform	Md Rezaul Karim
5	336	Efficiency analysis of numerical solution of Saint-Venant torsion problem by Finite Element Method	Md. Amirul Islam, Md. Shajedul Karim
6	353	Study on the use of sugarcane bagasse ash in conventional concrete and it's impact on strength and workability	N.M. Khan & N.H.M. Kamrujjaman Serker
7	361	Applicability of rice husk biochar as a partial replacement of cement	M. A. R. Shuvo, M. A. N. Hasan , M. M. Atiya & E. R. Latiffee
8	376	Experimental investigation on the effect of substrate moisture on the interfacial bond strength between substrate to overlay concrete	Arifur Rahman & Md. Mozammel Hoque
9	398	Performance of Waste Plastic Bottles as Substitute of Brick on Masonry Wall	M.R. Awall, S.M. Minhaz, G. Biswas, J. Anar & M.N. Parves

Structural Engineering (Session-5)

Venue: Room No: 1222 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. G.M. Sadiqul Islam Date: 20/12/2018 Time: 12:15-13:45			
SL	Paper ID	Paper Title	Author Details
1	420	Improvement of Conventional Ferrocement Jacketed Column using Wire Mesh & Steel Angles at Corners	K. I. M. Iqbal, Promy Nahian & Dr. Mahbuba Begum
2	423	A Numerical Study by Constructing a Finite Element Model of a Simply Supported Beam with Cold-Formed Steel Section	T.M. Raka, K.M.Amanat
3	502	Seismic Vulnerability Assessment of Primary School Buildings at Chittagong City Corporation, Bangladesh Using FEMA 154	Md. Raihan Mahmud, Shafayat Bin Ali & Md. Abdur Rahman Bhuiyan
4	503	Seismic Vulnerability Assessment of Primary School Buildings at Chittagong City Corporation, Bangladesh Using FEMA 310	Md. Fahim Shahriar, A.A. Walid, Shafayat Bin Ali & Md. Abdur Rahman Bhuiyan
5	504	Seismic Vulnerability Assessment: A Case Study Of CUET Campus	Shagata Das, Shafayat Bin Ali, R. K. Mazumder & Md. Abdur Rahman Bhuiyan
6	510	Effect of SSI on Seismic Response of Flyover: A Case Study	M. R. Mukhlis & M. A. R. Bhuiyan
7	511	Comparison of Force-Based Design and Displacement-Based Design Methods for Seismic Response of Multispan Bridges	M. A. Hoque, M. R. Mukhlis & M. A. R. Bhuiyan
8	512	Performance Evaluation of Shape Memory Alloy In Seismic Retrofitting of Rc Building	E. Roy, P. Ghose, M. R. Mukhlis & M. A. R. Bhuiyan
9	513	Experimental And Numerical Investigation on Flexural Behavior of High Strength Reinforced Concrete Beam	S. Bhowmick, M. J. Alam, M. R. Mukhlis & M. A. R. Bhuiyan

Structural Engineering (Session-6)

Venue: Seminar Room , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Jahangir Alam Date: 20/12/2018 Time: 14:30-16:00			
SL	Paper ID	Paper Title	Author Details
1	514	Effects of Leaching on The Properties of Mortar	J.C. Kuri, S. Akter, A. Choudhury
2	515	Comparative Study on The Engineering Properties Of Locally Available Bricks & Sand In Eastern Region of Chittagong	Md. Mosaddek Hossain, Md. Ariful. Islam, Opu Chandra Debanath, Md. Saiful Islam
3	125	Structural Strength and Behaviour of Composite Profiled Steel Sheet with Plastic Board and Plywood under Flexure and Web Crippling Loading	S. M. Z. Islam, A. E. Biswas and M. M. Rana
4	519	Use of Jute Fiber To Improve Concrete Properties Against Fire	N. Anjum, N. Akter & G. M. Sadiqul Islam
5	522	Performance of Reinforced Concrete Short Columns Incorporating Ceramic Waste Powder With Partial Replacement of Cement	M. M. Rana, I. Saifullah, M. H. Islam and T. Sakib
6	527	Effect of fibre direction on directivity pattern of A0 mode Lamb wave scattered at through-hole damage region in unidirectional laminates: A computational study	M S Rabbi, K Teramoto & M Hasan
7	531	Salinity Removal And Feasibility Study on Using Sea Sand In Geopolymer Concrete	S. Sarker, M. M. Islam, & R. Hasan
8	536	An Experimental Investigation on Improvement of Concrete Strength Using Bacterial Approach	M.S. Islam , T. Sinha, M.S. Islam & M.K Uddin
9	542	Effects Of Deicing Salts on Strength Properties of Concrete	M. A. Hossain & M. S. Islam

Sustainable Engineering and Management (Session-1)

Venue: Seminar Room , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Asiful Hoque Date: 19/12/2018 Time: 16:00-17:30			
SL	Paper ID	Paper Title	Author Details
1	10	Energy Performance Analysis of an Office Building Using BIM: A Case Study On Janata Bank Building At KUET, Bangladesh	Md. Rakibul Hasan, Md. Saidul Islam and Jhumana Akter
2	38	Factors Affecting The BIM Adoption In The Construction Industry of Bangladesh	Md. Farhad Hossain Rakib, Sujan Howlader and Mizanoor Rahman
3	39	Delay Factors Analysis in Construction Project: A Case Study On TSC Building (Ground Floor) At KUET Campus, Bangladesh	Md. Rakibul Hasan & Md. Shahed Mia
4	83	Fading in Greenery in the Last 10 Years: A Case Study in Sylhet City	Sabrin Ara & Rifath Sharmin
5	89	The Main Factors Working Behind The Construction Delay in Khulna City	Md Bytullah Emon1
6	139	Barriers to adoption of sustainable construction practices in Khulna city	Md. Rakibul Islam Chowdhury, Mizanoor Rahman and Tarokito Ahmed Srabon
7	178	Project Cost Risk Assessment in Bangladesh	S. Yesmin, A. Islam.
8	199	Properties of plastic as a binding material in building blocks	T.B.Rahman&S.N.JEWEL

Sustainable Engineering and Management (Session-2)

Venue: Room No: 1201 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Swapan Kumar Palit Date: 20/12/2018 Time: 14:30-16:00			
SL	Paper ID	Paper Title	Author Details
1	245	A Gis-Based Analysis On “Emergency Disaster Response” -A Case Study On Chittagong City Corporation	M. A. Kader& M. K. Islam
2	299	Performance Evaluation of Engineered Concrete Mixed with Recycled Waste Polypropylene as a Partial Replacement of Coarse Aggregate	N. HAQUE, T. MEHDI, A. TAHSIN, M. SARKER, A. T. MASUM & M. J. ISLAM
3	334	Design of A Zero-Energy Building In Romania: A Case Study	Bulbul Ahmed, Md. Masud Rana and Hoang Thai Nguyen
4	349	Study on Production And Availability Of Construction Materials	M. S. Rahman & S. Sarkar
5	380	Compressed Stabilized Earth Block: A Green alternative to fired brick in Developing Countries like Bangladesh	M. S. Rahman, M. Momen & A. Sakib
6	273	Climatic Vulnerability of Rural Infrastructures	Samira Musherrof Hussain & Prof. Dr. Md. Shamsul Hoque
7	364	Performance Evaluation of Selected Intersections in Dhaka City With Respect To Control Delay under Non-Lane Based Heterogenous Traffic Condition	M. A. Uddin & M. S. Hoque

Transportation Engineering (Session-1)

Venue: **Room No: 1222**, Department of Civil Engineering, CUET
 Session Chair: **Prof. Dr. Mahmood Omar Imam**
 Date: **19/12/2018** Time: **9:30-11:00**

SL	Paper ID	Paper Title	Author Details
1	19	Traffic Flow Distribution and Predicting Short Time Traffic Flow Composition Using Monte Carlo Simulation	Arif Hasnat , Faysal Ibna Rahman
2	23	Evaluation of Public Bus Comfort in Dhaka City	M. M. Rashid, S. T. Ahmed, N. B. Kalam, M. A.H. Anik & M. Hossain
3	34	Behavioral analysis of Jointed Plain Concrete Pavement and Jointed Reinforced Concrete Pavement Using Finite Element Method	Bijoy Saha & Md. Mizanur Rahman
4	46	Analysis of Traffic Intensity Variation in Major Intersections of a Secondary City in Bangladesh: A Case Study on Pabna Municipality	M. T. Hossain, M. N. Sadat, M. Chakma & N. Hossain
5	59	Influence of Land use on Mode Choice of the Citizens of Khulna City	R. Ahasan & M. Mudasser
6	76	Emerging role of Easy Bike in Khulna City: Contribution towards Sustainability	N. Anjum
7	81	Identifying Risk Factors Associated With Pedestrian Fatality in Dhaka-Sylhet Highway	T. D. CHOWDHURY, A. CHAKRABORTY2 & S. MOJUMDER
8	90	An Improvised Method to Measure Reflection or Glow of Light Efficient Concrete	Tasnim Fatema Kabir, Mohammad Aynul Huq & Habibur Rahman Kamal

Transportation Engineering (Session-2)

Venue: Room No: 1201 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Swapan Kumar Palit Date: 19/12/2018 Time: 16:00-17:30			
SL	Paper ID	Paper Title	Author Details
1	93	Comparing Level of Comfort for Various Transportation Modes in Dhaka City	M. R. Sakib, K. A. Haque, M. A. H. Anik & M. Hossain
2	132	Optimum Flyash to Increase the Strength of Subgrade	A. Sarker, M. B. Iqbal, M. M. Rahman, M. C. A-Noor, M. A Rahman ,M. R. Islam
3	140	Assessment of Various Delay Models at Intersections in Dhaka City	S. R. Khan, M. M. Rahman, K. B. Jalal, F. R. Ratri & S. S. Morshed
4	151	An Analysis on Existing Condition of Inter District Bus Terminals of Chittagong City	A. A. Shermin, J. Sultana, M. R. Hasan
5	182	Bicycling as a mode of transport in Dhaka city - Status and Prospects	S. M. Haroon, A. K. Bhakta, M. Shahabuddin, N. Rahman & M. R. Mahmud
6	189	Moisture Resistant Flexible Pavement Using Portland cement As Anti-Stripping Additive	Ratul Mondal, Moazzem Hossain
7	198	A study about the congestion at Meghna Bridge on Dhaka-Chittagong highway	K. Roksana, A. S. Hasan, M. N. Islam, S. Yesmin, M. A. Sayeed
8	222	Safety Concerns for Motorcyclists: Perspective of Bangladesh	Md. Shahadat Hossain, S M Sazzad Ahmed Shovon
9	386	Improvement of skid resistance in coastal highways using crumb rubber	M. O. Imam, J. Sen and S. U. Rashid

Transportation Engineering (Session-3)

Venue: Seminar Room , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Hasib Mohammad Ahsan Date: 20/12/2018 Time: 12:15-13:45			
SL	Paper ID	Paper Title	Author Details
1	257	A Study on The Effect Of Non-Lane Behavior On HCM 2000 Delay Formula	A. A. Farabi, M. Hadiuzzaman & M. S. Hoque
2	265	Performance Evaluation of Khilgaon Flyover in Dhaka	M. R. Islam , N. Anwari, M. S. Hoque & S. Amin
3	346	Trip Generation Analysis Of Shughonda Residential Area In Chittagong City, Bangladesh: Users Perspective	M. S. Sikdar, T. J. Ashrafi & S. Das
4	355	A Study on School Commuting Trips in Urban Areas of Bangladesh	A. A. Noor, M.S. Hoque
5	381	Feasibility Analysis of Providing Takeoff and Landing Ramp to a Flyover at a Road Circle - a Case Study of Akhtaruzzaman Flyover in Chittagong	S. Chowdhury, A. Das, M. O. Imam
6	157	A trip Generation Analysis- A Case Study on Chandgaon Residential Area	R. Ridoy& H. Shah
7	166	Issues Related To Introduction of Electric Vehicles In Bangladesh For Sustainable Transportation Development	M. I. Haque, M. Hossain
8	173	Assessment of Traffic Congestion at Notun Rasta to Gollamari Mid-block, Khulna.	S. Paul, M. Mosaib & P. C. Das

Transportation Engineering (Session-4)

Venue: Room No: 1202 , Department of Civil Engineering, CUET Session Chair: Engr. Abu Saleh Md Nuruzzaman Date: 20/12/2018 Time: 14:30-16:00			
SL	Paper ID	Paper Title	Author Details
1	508	Passengers' perceived service quality of public transport in Dhaka city, Bangladesh	M. M. Hasan, M. A. Islam, P. Das, F. Rahman
2	509	Exploring Paratransit Service Quality Based On Low-Income Women's Perception: A Case Study In Dhaka City	M. A. Islam & F. Rahman
3	523	Pedestrian Behaviour At Road Crossing And Sidewalks At And Near Selected Intersections In Dhaka City	H. M. Ahsan, S. Roy & Z. S. Shorna
4	524	Road Safety Assesment Using Rhd Safety Audit Guidelines And Irap Methodology	H. M. Ahsan, Almamun and A.S.M. M. Islam
5	525	Effects Of Non-Motorized Vehicles On A Selected Intersection In Dhaka City For Non Lane Based Heterogeneous Traffic Using Vissim 5.3	H.M.Ahsan, A.C. Dey
6	526	Identification Of Key Safety Aspects In Designing Metro Rail For Dhaka City	H. M. Ahsan, S. S. Haque
7	530	Traffic Congestion Monitoring In The Selected Transport Axis Of Chittagong City	M. A. Hossain and M. O. Imam
8	537	A Study Of Road Users Maneuvering During Development Construction Activities On Existing Roads	Omar Faruk, Md. Shafquat Mosharraf & Swapan Kumar Palit

Water Resources Engineering (Session-1)

Venue: Seminar Room , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Aysha Akter Date: 19/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	16	Flood Inundation mapping from satellite images: A case study of some flood prone districts of Bangladesh	M. M. Rahman, R. M. Tumon & R. Chakma
2	41	Monitoring Chlorophyll-a Concentration on River Karnaphuli Using Landsat Satellite Imageries	M. N. Uddin & S. Ara
3	47	River Change Detection and Bank Erosion Identification using Topographical and Remote Sensing Data	T. J. Ashrafi, M. S. Sikdar, M. K. Islam
4	53	Assessment of Riverbank Erosion-Accretion and Bar Dynamics Based on Remote Sensing-GIS	S. D. Shubro and Dr. K. M. Ahtesham H. Raju
5	69	Assessment Of Storm Water Runoff With Arc-Swat And Swmm In Mymensingh District	S. Bhowmick, P. Das, A. Dey & Dr. Md. S. M. Khan
6	70	Assessment Of Relationship Of Surface Water Quality To Climatic And Hydrologic Parameters In Ganges River Basin	A. Dey , P. Das, S. Bhowmick & Dr. A. Yunus
7	133	Feasible and Sustainable Coastal Protection and Adaptation Strategies for Coastal Areas of Bangladesh	R. T. Khan, P Das
8	135	Effect of intermittent water supply system in water distribution network in Rajshahi city, Bangladesh	Saleha Akter , Arif Hasnat, Md. Mehedi Hasan

Water Resources Engineering (Session-2)

Venue: Room No: 1201 , Department of Civil Engineering, CUET Session Chair: Prof. Dr. Md. Hazrat Ali Date: 20/12/2018 Time: 9:30-11:00			
SL	Paper ID	Paper Title	Author Details
1	136	Assessment of Groundwater Quality of Rajshahi City In Bangladesh	Saleha Akter, Arif Hasnat
2	146	Quantitative Fluvial Analysis of Brahmaputra-Jamuna Braided River Systems Using Remote Sensing Images	Md. Hamidul Haque and Mushtari Maliha
3	172	Hydrological And Morphological Analysis of The Gorai River	S. Rahman, T. Islam & M. A. Rahman
4	175	2d Hydrodynamic Modeling of Ganges-Gorai River Using Hec-Ras 2d Model	T. Islam & M. M. Ali
5	186	Floodplain Encroachment Analysis using HEC-RAS 1D model and 1D-2D coupled model	N. M. Pieu & A T M H. Zobeyer
6	206	Assessment of Rainfall Trend Using Mann– Kendall Test and the Sen’s Slope Estimator in Bangladesh	S. D. Shubro, N. Ahasan & R.I. Esha
7	238	Water feature extraction by using Multi-temporal Landsat Imagery and Hydrological Assessment of Chalan Beel	M. S. Ahmed , U. K. Navera, M. Islam
8	330	A Case Study on Overflowing of Khal in Chittagong City	K. F. B. Mahmud, D. Majumder & S. K. Palit

Water Resources Engineering (Session-3)

Venue: Room No: 1203 , Department of Civil Engineering, CUET Session Chair: Dr. Wei Koon Lee Date: 20/12/2018 Time: 14:30-16:00			
SL	Paper ID	Paper Title	Author Details
1	356	Application of Palmer Method in Future Drought Analysis of the North West Region of Bangladesh Using CORDEX Data	S. Chowdhury, N. Jahan
2	387	A Study on Ground Water Level Fluctuation in Selected Area of Chittagong City	S. Akter, M. A. Hossen & S. Das
3	424	Investigation of Channel Responses Due To Various Spur Configurations	M. A. Hoque, M. Alauddin
4	507	Integrated Water Resource Management: A Case Study on Bagerhat	Anika Tahsin, Nishat Tasnim Priyanka, Tansir Zaman Asik, Md. Aminul Islam Khan, Md. Salman Ferdous
5	521	A Review on the Design Guidance for the Application of Vertical Seawalls on Shingle Foreshores	M. Salauddin & J. M. Pearson
6	529	Seasonal Weather Prediction In Bangladesh Using SST Indices	Md. R. A. Mullick, R. K. Dhar & M. Hossain
7	533	Tidal Prediction in The Northern Bay of Bengal	A. H. Tanim, A. Akter