

Conference Program Outline for ICCESD 2016

Spot Registration and Collection of Conference Kits:

February 11, 2016 (Time: 15:00~18:00)

Venue: Civil Engineering Building, KUET

Day 1: February 12, 2016 (Friday)

Time	Venue	Events
08:45-09:45	CE Building	Spot Registration; Collection of Conference Kits and Tour Tickets
10:00-10:45	KUET Auditorium	Inaugural Ceremony of ICCESD 2016
10:45-11:10	KUET Auditorium	Refreshment
11:10-12:15	KUET Auditorium	Keynote Session: Keynote Speech 1: Prof. Dr. M. Feroze Ahmed, Vice Chancellor, Stamford University, Bangladesh Keynote Speech 2: Engr. Md. Amzad Hossain, P.Eng., Director General, Bangladesh Railway, Bangladesh
12:00-14:30	CE Building	Lunch & Friday prayer
14:30-16:06	CE Building	Parallel Technical Sessions (1 st , 2 nd & 3 rd)
16:06-16:35	CE Building	Coffee Break
16:35-17:59	CE Building	Parallel Technical Sessions (4 th , 5 th & 6 th)
17:59-18:30		Prayer Break
18:30-19:30	CE Building	Parallel Technical Sessions (7 th , 8 th & 9 th)
19:30	CE Building	Supper

Day 2: February 13, 2016 (Saturday)

Time	Venue	Events
08:30-10:06	CE Building	Parallel Technical Sessions (10 th , 11 th & 12 th)
10:06-10:40	CE Building	Coffee Break
10:40-12:28	CE Building	Parallel Technical Sessions (13 th , 14 th & 15 th)
12:28-14:05	CE Building	Lunch & Prayer Break
14:05-16:06	CE Building	Parallel Technical Sessions (16 th , 17 th & 18 th)
16:06-16:40	CE Building	Prayer & Coffee Break
16:40-18:04	CE Building	Parallel Technical Sessions (19 th , 20 th & 21 st)
19:00		Depart to Conference Dinner
19:30-22:00		Closing Ceremony of ICCESD 2016 & Conference Dinner

Day 3: February 14, 2016 (Sunday)

Time	Reporting	Events
07:00-19:00	06:45 at CE Building	Conference Tour

CONFERENCE PROGRAM

DAY-1: February 12, 2016, Friday

1st Technical Session		Environmental Engineering-I		Venue: Seminar Room A	
Session Chair: Prof. Dr. Quazi Hamidul Bari, KUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:30~14:42	E21	Generation of rainfall intensity-duration-frequency relationship for central region in Bangladesh	1	Munshi Md. Rasel, Md. Tashfique Uddin Chowdhury and Md. Mazharul Islam	
14:42~14:54	E26	Analysis of the trends in temperature and precipitation variables for Sylhet city of Bangladesh using RCLIMDEX toolkit	3	M A Hashnat Badsha, M A H Kafi, M Z Islam and Tanaz Islam	
14:54~15:06	E31	Local adaptation practices in response to a super cyclone in the coastal region of Bangladesh	5	Md. Gulam Kibria, M. Shah Alam Khan and Debanjali Saha	
15:06~15:18	E128	Applicability of water sensitive urban design (WSUD) in Dhaka city	7	S. T. Wahab, R. Mamtaz and M. M. Islam	
15:18~15:30	E131	Recovery of electric energy from municipal solid waste of Jessore town in Bangladesh	9	Ujjwal Mondol, M. S. Hossain and Ratnadip Saha	
15:30~15:42	E149	Estimation of production cost of a triangular solar still for remote area of Bangladesh	11	Hiroaki Terasaki, Tomohiro Umemura, Masaki Ito, Takuya Akao, Teruyuki Fukuhara and Kh. Md. Shafiqul Islam	
15:42~15:54	E153	Characterization of sugar industry wastes for solid state bioconversion	13	Tasrif Ahmed and Md. Niamul Bari	
15:54~16:06	E444	Scenario of water pollution by retting of jute and its impact on aquatic lives	45	Swapneel Roy and Khondoker Mahub Hassan	
16:06~16:35	Prayer & Coffee Break				

2nd Technical Session		Water Resources Engineering-I		Venue: Seminar Room B	
Session Chair: Prof. Dr. M. A. Matin, BUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:30~14:42	W36	Storm surge damages in a coastal polder: a case study on cyclone Aila	117	Md. Gulam Kibria, M. Shah Alam Khan and Tamanna Kabir	
14:42~14:54	W41	Assessing the impact of climate change on sunflower yield using the AQUACROP model	119	Debanjali Saha and M. Shahjahan Mondal	
14:54~15:06	W66	Assessment of water supply facilities for urban poor in Chittagong city	121	Muhammad Rashidul Hasan and Md. Kausar Uddin	
15:06~15:18	W71	An experimental study on wave overtopping of rubble mound breakwater armoured with a new concrete armour unit	123	M. Salauddin and J.W. Van der Meer	
15:18~15:30	W103	Intense storm-runoff routing of Hatirjheel-Begunbari lake of Dhaka city	125	M. A. Matin, M. Moniruzzaman, M.S. Rowsan and S. Tushif	
15:30~15:42	W104	Hydraulic analysis of flow over a coastal embankment	127	Anika Nowshin Mowrin and Md. Abdul Matin	
15:42~15:54	W174	Impacts of post-disaster slow rehabilitation of a coastal polder on coastal livelihoods: a case study on Aila	129	Tamanna Kabir, Mashfiqus Salehin and Md. Gulam Kibria	
15:54~16:06	W206	Climate change impacts on agricultural water demand and resilience for sustainable agriculture in Bangladesh	131	Sanjida Alam Sharna and Aminul Islam Sohan	
16:06~16:35	Prayer & Coffee Break				

3rd Technical Session		Structural Engineering-I		Venue: Seminar Room C	
Session Chair: Prof. Dr. Raquib Ahsan, BUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:30~14:42	S115	Effect of salinity level on early-age electrical properties of cement paste	167	Bappa Kumar Paul and Milon Kanti Howlader	
14:42~14:54	S148	Consequence of Nepal earthquake 2015 and effects in Bangladesh	169	A S M Fahad Hossain, Mehedi Ahmed Ansary, Quazi Hamidul Bari and Tuk Lal Adhikari	
14:54~15:06	S165	Testing of RCC beams exposed to various burning temperatures	171	M. M. Hossain, N Apu, U. H Sumaiya, and Y Mahmood	
15:06~15:18	S176	Context based strategic approach of densification: a case study of Nirala and Religate	173	Maria Binte Edrish, Rabeya Shahid Shamanta, Shamima Yeasmin, Irin Jahan Mitu	
15:18~15:30	S195	Influence of inspection rails on aerodynamics of a long-span bridge deck: a numerical study	175	Md. N. Haque and Hiroshi Katsuchi	
15:30~15:42	S200	Lessons learned from Nepal earthquake (m 7.8): damage behaviour of buildings in Bangladesh	177	M.R. Awall, M.A. Rahman and K.M.S. Uddin	
15:42~15:54	S202	Free vibration characteristics of horizontally curved continuous multi I-girder bridge	179	M.R. Awall, T. Hayashikawa, T. Humyra and M.B. Zisan	
15:54~16:06	S216	Future prospect of coal combustion products: Bangladesh perspective	187	Md. M Islam and Md. S Islam	
16:06~16:35	Prayer & Coffee Break				

4 th Technical Session		Environmental Engineering-II		Venue: Seminar Room A	
Session Chair: Engr. Grzegorz Jacek Rokicki, Team Leader, KWSP (JICA), KWASA				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:35~16:47	E162	Potential of phytoremediation approaches in regeneration of Hazaribagh brownfield area	15	Preyanka Dey, Matiur Rahman Raju, Mahbuboor Rahman Choudhury	
16:47~16:59	E175	Thermal performance of solar thermal collector using metal reinforced polyethylene tube	17	Takuya Akao, Hiroaki Terasaki, Akira Okuda, Teruyuki Fukuhara	
16:59~17:11	E181	Application of coagulation process in treating of landfill contaminated leachate	19	Rabindra Chakrabarty and Islam M. Rafizul	
17:11~17:23	E197	Performance evaluation of drinking water treatment plant in Gopalganj town of Bangladesh	23	M. S. Hossain, M. A. Halim and Habibur Reza	
17:23~17:35	E213	Evaluation of existing composting process at waste management plant situated in kuet campus	25	M. K. Sutradhar, M. R. Sarder and M. Alamgir	
17:35~17:47	E246	Environmental assessment of wastewater disposal on Mouri river at Khulna: an application of GIS	27	Sakibul Hasan, Kh. Mahub Hassan and Showmitra Kumar Sarkar	
17:47~17:59	E446	Plate in Tube Solar Desalination Technique: Review and Practice	49	Md. Ajwad Anwar, Tasnia Tarannum and Quazi Hamidul Bari	
17:59~18:30	Prayer Break				

5 th Technical Session		Water Resources Engineering-II		Venue: Seminar Room B	
Session Chair: Prof. Dr. Md Shahjahan Ali, KUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:35~16:47	W252	Characterization of open channel flow parameters of the river Gorai	133	Rijwana Ishat Esha and Md. Sabbir Mostafa Khan	
16:47~16:59	W321	Performance study on redesigned tubular solar still	135	Md. Midul Hossain and Kh. Md. Shafiul Islam	
16:59~17:11	W387	Study on sediment load due to rainfall	137	Md. Alamin, Md. Jahir Uddin and S. A. A. Mamun Hossain	
17:11~17:23	W415	Barbs position induced channel bank stability: a numerical simulation	139	S. A. A. Mamun Hossain, Md. Jahir Uddin and Wang Lixue	
17:23~17:35	W422	A study on ground water contamination by saline water along the coastline of Patenga in Chittagong	141	S. A. Mohit, M. Ashrafuzzaman, T. Ahmed and H. M. Shoaib	
17:35~17:47	W530	Planning intervention for flood control and risk management in Chilmari Upazila, Kurigram, Bangladesh	155	T. K. Roy, K. Hasan and S. Hossain	
17:47~17:59	W534	A study on hydrodynamic and short term flash flood analysis of Surma river using DELFT3D model	157	Probal Saha and Umme Kulsum Navera	
17:59~18:30	Prayer Break				

6 th Technical Session		Transportation Engineering-I		Venue: Seminar Room B	
Session Chair: Prof. Dr. Hasib Mohammad Ahsan, BUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:35~16:47	T61	Traffic accidents information exploration to identify the causes of traffic accident: a study on Joydebpur-Jamuna bridge corridor	255	Dilip Goswami and Md. Manjur Morshed	
16:47~16:59	T201	Assessment of transportation planning for central Dhaka	263	T. Humyra and K. Kishi	
16:59~17:11	T288	Accident prone locations (black spots) identification at Bhanga-Mawa-Dhaka highway by using GIS	279	Sojib Kumar Sinha and Md. Ashiqur Rahman	
17:11~17:23	T404	Impact assessment of rail induced noise in Dhaka city	287	N. Anwari and M. S. Hoque	
17:23~17:35	T411	Estimation of passenger car equivalents for easy bike at mid block in Khulna metropolitan city	291	Ankan Mohajan and Quazi Sazzad Hossain	
17:35~17:47	T467	Assessing the level of traffic congestion at Ferighat intersection in Khulna metropolitan city	305	Sabok Mondal and Sazzad Hossain	
17:47~17:59	T551	Service area analysis of transit stations for public bus services: a case study of Khulna city	309	Chandan Datta, Mushfiqur Rahman and Md. Esraz-Ul-Zannat	
17:59~18:30	Prayer Break				

7th Technical Session		Environmental Engineering-III		Venue: Seminar Room A	
Session Chair: Prof. Dr. Kh. Mahub Hassan, KUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
18:30~18:42	E261	Assessment of contaminated soil near Hatirjheel lake at Dhaka city of Bangladesh	29	Md. Abul Hashem, Md. Shahruk Nur-A-Tomal and Syeda Anika Bushra	
18:42~18:54	E491	A study on indoor air pollution by kitchen fuels in Khalishpur, Khulna	65	S. M. Monniruzzaman and Damayontee Roy	
18:54~19:06	E357	Bench scale composting of organic waste	31	Sudipta Chakraborty, Q. Hamidul Bari, Md. Alamin and Avishek Ghosh	
19:06~19:18	E400	Tube in tube technique for solar desalination	33	Q. H. Bari, Asif Raihan, Md. Shakhawat Hossain and Subarna Akhter Tanny	
19:18~19:30	E401	Water quality and simple EIA of Hatirjheel lake	35	S. M. Tariquzzaman, Susmita Nishu, Tanveer Ferdous Saeed and Rifat Ahmed Reday	
19:30	Supper at CE Building				

8th Technical Session		Water Resources Engineering-III		Venue: Seminar Room B	
Session Chair: Prof. Dr. Kh. Shafiul Islam, KUET				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
18:30~18:42	W433	A study on hydrodynamic and morphological behaviour of Padma river using delft3d model	143	Binata Roy, Muhammad Rezaul Haider and Anika Yunus	
18:42~18:54	W454	Coastal livelihood and uniformity of cyclone infrastructure: a case study of Dacope, Bangladesh	145	Arindam Saha and Md. Shahjahan Ali	
18:54~19:06	W479	A study on hydrodynamic and morphological behavior of Gorai river using delft 3d	147	Afeefa Rahman and Anika Yunus	
19:06~19:18	W503	Laboratory study on performance of horizontal slotted submerged breakwater	149	Md. Sadiul Alam Chyon, Md. Ataur Rahman	
19:18~19:30	W553	Renewable water resources and an overall water demand-availability analysis for Bangladesh	163	Shovit Barua, Md. Reaz Akter Mullick and Ayan Barua	
19:30	Supper at CE Building				

9th Technical Session		Structural Engineering-II		Venue: Seminar Room C	
Session Chair: Brigadier General DSM Shaheedul Islam				Date: 12/02/2016 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
18:30~18:42	S204	Application of paper sludge ash in construction industry - a review	181	Shishir Kumar Sikder Amit, Mohammad Rafiqul Islam	
18:42~18:54	S211	Study the behavior of standard steel structure through Static and Dynamic Analysis	183	Navila Tabassum, S M Shafi, Bishu Deb Nath and Shovona Khusru	
18:54~19:06	S215	Contribution of frame bay of a building against lateral load	185	M. Monjur Hossain, M.K. Mahfuz, Imran Uddin Mahmud, Zobaer Saleheen	
19:06~19:18	S396	A study on the quality of brick and sand from different locations of Chittagong	189	Oli Afaz Chowdhury, Sristi Das Gupta and Fahmida Parvin	
19:18~19:30	S598	Weathering steel and composite structure : Bangladesh perspective	237	A.K.M. Ruhul Amin, Md. Khasro Miah and Md. Nazrul Islam	
19:30	Supper at CE Building				

DAY-2: February 13, 2016, Saturday

10 th Technical Session		Environmental Engineering-IV		Venue: Seminar Room A	
Session Chair : Dr. Kazi ABM Mohiuddin , KUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
8:30~8:42	E192	Estimation of soluble sulphide discharged in hair burning liming operation from tanneries, Bangladesh	21	Md. Abul Hashem, Md. Shahruk Nur-A-Tomal, Aziza Ahsan and Syeda Anika Bushra	
8:42~8:54	E402	Structural safety assessment of Banghabandhu multipurpose bridge for train accident and its socio-economic impact in Bangladesh	37	Shahab Uddin, Md. Kobir Hossain	
8:54~9:06	E412	Treatment of butcher's shop wastewater by electro-coagulation using aluminum and iron electrodes	39	Shad Al Masud and Khondoker Mahub Hassan	
9:06~9:18	E445	Facing climate change by securing water and food in Dacope Upazila of Khulna in Bangladesh	47	M.A. Hossain and K.M. Hassan	
9:18~9:30	E447	Efficacy analysis of water distribution network at a university campus in Bangladesh	51	M. S. Hossain and K. M. Hassan	
9:30~9:42	E490	Assessment of rooftop rainwater harvesting system in Khulna city and proposal for modification	63	Quazi Faisal Bari Purno and Kh. Mahub Hassan	
9:42~9:54	E594	Design, fabrication and performance evaluation of continuous operating autoclave	113	Istiaque Iqbal Hemel and Md. Niamul Bari	
9:54~10:06	E597	Selection of potential absorbent from locally available material for the removal of color from industrial wastewater	115	Md. Niamul Bari and Afima Sultana	
10:06~10:40	Coffee Break				

11 th Technical Session		Water Resources Engineering-IV		Venue: Seminar Room B	
Session Chair: Prof. Dr. S M Moniruzzaman, KUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
8:30~8:42	W513	Hydrodynamic flood modelling of Poshur river using HEC-RAS and sources of its uncertainty	151	Faria Alam and Atiqul Islam	
8:42~8:54	W518	Developing a semi-distributed hydrological model and rainfall frequency analysis of Bangshi river basin	153	Anmol Haque, Muhammad Rezaul Haider and Umme Kulsum Navera	
8:54~9:06	W536	Hydrodynamic & morphological analysis of Gorai river using delft3d mathematical model	159	Mariam Khanam and Umme Kulsum Navera	
9:06~9:18	W552	Assessment of groundwater depletion by lithological study and mapping with GIS: in the context of Mahadevpur Upazila	161	R. M. Chowdhury, M. S. Kabir and A. B. M. I. Hossain	
9:18~9:30	E514	Performance of existing water supply system in Khulna city	79	Shams Jerin Khan, Md. Saiful Islam and Ripon Kumar Kundo	
9:30~9:42	E568	Assessment of potential environmental benefits of using solar power for irrigation pump: a case study in Bangladesh	99	S T Wahab, L Noor, A M Redwan, J K Dev and S M Shamim Reza	
9:42~9:54	E575	Effect of salinity on brick clay & its reduction by leaching process	105	Easin Arafat, Ashraful Alam, Md. Saiful Islam and Samonty Das	
9:54~10:06	E583	Communities strength and weakness for responding cyclone and frequently flood on southern part of Bangladesh	109	Md. Mozahidul Islam, Md. Hamidul Islam and Md. Shahin	
10:06~10:40	Coffee Break				

12 th Technical Session		Transportation Engineering-I		Venue: Seminar Room C	
Session Chair: Prof. Dr. Md. Nazrul Islam, DUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
8:30~8:42	T56	Accident rate analysis in Sylhet district using SPSS method for highway safety evaluation	253	Zubair-Ul-Mulk, Azharul Islam and Md. Rokib Hasan	
8:42~8:54	T247	Development of calibrating microscopic simulation model for non-lane based heterogenous traffic operation	271	S. M. Mashrur and M. S. Hoque	
8:54~9:06	T248	Parking demand and supply analysis of different three wheeler vehicles in Khulna	273	Sunzid Hassan and Mohaimin Azmain	
9:06~9:18	T267	Motorists' and pedestrians' understanding of traffic signals and road markings in Dhaka city	277	Syed Ahnaf Morshed, Ahadul Islam and Tahmina Rahman Chowdhury	
9:18~9:30	T463	Analyzing trip distribution scenarios and its consequences in Khulna city: a case study of ward 10, 11 and 12	301	Ahmed Samiel Ahsan, Jawata Afnan, Muhammad Salaha Uddin and Md. Makhlesur Rahman	
9:30~9:42	T464	Effect of vehicle size on the capacity of Khulna Jessore highway	303	Mohammed Shahjalal and Quazi Sazzad Hossain	
9:42~9:54	T557	Evaluation of buses and cars as transportation mode to workplace	311	Sunzid Hassan, K.M. Nabiul Haque and Tasnima Fahmin	
9:54~10:06	T593	Demand forecasting for a domestic airport-a case study	313	Md. Salahuddin Sohad and Md. Rokonuzzaman	
10:06~10:40	Coffee Break				

13th Technical Session		Environmental Engineering-V		Venue: Seminar Room A	
Session Chair: Prof. Dr. Niamul Bari, RUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
10:40~10:52	E448	Scenario-based simulation of existing water distribution network for KUET campus in Bangladesh	53	M. S. Hossain and K. M. Hassan	
10:52~11:04	E449	Installation of a simple water treatment unit at Kaligonj region and assessment of dalys lost due to diarrhoea	55	Md. Farid Munnaf and Kh. Mahbub Hassan	
11:04~11:16	E465	A study on groundwater quality and its effect on human health in Jogipole union Parishad, Khulna	57	S. M. Abdul Baten, S. M. Moniruzzaman, S. M. Nur-E- Alam and Ripon Kumar Kundo	
11:16~11:28	E468	Characterization of selected industrial effluent and their effects on Narod river of Natore, Bangladesh	59	S. M. Nur-E-Alam, S. M. Moniruzzaman and Md. Rasheduzzaman	
11:28~11:40	E471	Reasons and remedies of heat island phenomena for Dhaka city: a review	61	Jeba Tashnim and Md. Ajwad Anwar	
11:40~11:52	E493	Effects of using organic compost on water holding capacity of Dhaka soil	67	Nusrat Nayeema, Quazi H Bari, Nawsheen Shafique and Farhana Hossain	
11:52~12:04	E498	Socio-economic aspects of adopting the rooftop rainwater harvesting system and its quality assessment at Mongla region	69	Kh. Mahbub Hassan, Md. A. Razzaque, and Q. Faisal Bari	
12:04~12:16	E570	Dispersion of air pollutants from Khulna power plant	101	Salma Alam and Kazi ABM Mohiuddin	
12:16~12:28	E591	Temporal and spatial variation of water quality parameters of Modhumoti river in Bangladesh	111	Md. Kamal Hossain, Md. Shariful Islam and Md. Shahjahan Ali	
12:28~14:05	Prayer & lunch break				

14th Technical Session		Transportation Engineering-II		Venue: Seminar Room B	
Session Chair: Prof. Dr. Md. Mazharul Haque, BUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
10:40~10:52	T138	Provision for adequate headroom for footbridges and flyovers	257	R. Rahman and M. S. Hoque	
10:52~11:04	T152	Estimation of trip attraction rate of mega shopping mall and school in Dhaka city	259	F. Akter, M. S. Chowdhury, A. Alam and M. M. Rahman	
11:04~11:16	T188	Trip generation in Khulna city: a household based analysis	261	Mehedee Hassan, Showmitra Kumar Sarkar, Muhammad Salaha Uddin and Md. Mokhesur Rahman	
11:16~11:28	T203	Vehicular emission inventory analysis of a residential and a commercial area of Dhaka city	265	M. Alam and M. S. Hoque	
11:28~11:40	T342	Eggshell powder utilization as CBR modifying agent to improve the sub-grade soil	281	B. Ahmed, A. Rahman and J. Das	
11:40~11:52	T381	Evaluation the capacity of a roundabout in Jessore municipality by using SIDRA	283	Nishat Nyla Zaman and Quazi Sazzad Hossain	
11:52~12:04	T384	Development of a delay model for roundabouts in Khulna metropolitan city, Bangladesh	285	Emran Hossain and Quazi Sazzad Hossain	
12:04~12:16	T408	An Evaluation of Airfield Pavements in Bangladesh	289	Hasib Mohammed Ahsan and Md. Emrul Hasan	
12:16~12:28	T531	Traffic congestion at road intersection due to absence of efficient traffic management and planning: a case study on Fulbarigate, Khulna	307	Redwan Kabir, Farhana Kabir Zisha, Moniruzzaman	
12:28~14:05	Prayer & lunch break				

15th Technical Session		Structural Engineering-III		Venue: Seminar Room C	
Session Chair: Prof. Dr. Md. Khasro Miah, DUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
10:40~10:52	S81	An experimental investigation on reducing heat flow of profiled steel sheet using heat insulating materials in roof	165	S. M. Zahurul Islam and Dalia Khatun	
10:52~11:04	S405	A numerical study on the rate of burning of PMMA	191	H M Iqbal Mahmud, KAM Moinuddin and GR Thorpe	
11:04~11:16	S418	Microstructural analysis of blended cement concrete in marine environment	193	Md. Ibrahim Mostazid, Mohammad Morshedul Hoque and Md. Abul Hasan, Md. Raihan Mukhlis	
11:16~11:28	S428	A study on optimum fly ash content for yielding a particular high strength concrete	195	M R Karim & R M Faysal	
11:28~11:40	S430	An assessment of safety of a real six storied RCC frame structure by non linear static pushover analysis	197	R M Faysal and D Barman	
11:40~11:52	S434	Experimental and numerical analysis of shear deficient RC beam retrofitted with ferrocement	201	Harun U Rashid, Sajibananda Dev , Tafsirojjanam and Md. R Alam	
11:52~12:04	S437	Spatial variation of physical and micro-structural characteristics of coarse aggregates in Bangladesh	203	Tafsirojjanam, Mohammad R Mia, Kazi R Islam, Mostaque A Bulbul, M H Shamim, Md. R Alam, Md. S Rana and Md. Jahidul	
12:04~12:16	S459	Numerical simulation of circular hollow steel columns confined with fiber reinforced polymer under axial compression	205	Nusrat Khanum Zinia, Faiza Ahsan Reza and Wasi Uddin Ahmed	
12:16~12:28	S484	Investigation of mechanical behavior of concrete by replacing cement with coconut shell ash & stone dust	207	Shoaib Ibn Hasan, Mir Abdul Kuddus, Abid Hasan Manon and Md. Midul Hossain	
12:28~14:05	Prayer & lunch break				

16 th Technical Session		Environmental Engineering-VI		Venue: Seminar Room A	
Session Chair: Prof. Dr. Muhammed Alamgir, VC, KUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:05~14:17	E438	An investigation into grey water quality and reuse	43	Sayma Akter, H.M. Raihan Habib and Md. Shahidul Islam	
14:17~14:30	E500	The impact of climate change in Sundarban and its catastrophic effect	71	Faria Alam, Kh. Mahbub Hassan, Swarna Bhowmick and Piash Saha	
14:30~14:42	E505	Assessment of energy recovery potential of municipal solid waste in Khulna city	73	Md. Rasheduzzaman, Kazi ABM Mohiuddin and S.M.Nur-E-Alam	
14:42~14:54	E515	Treatment of greywater generated at KUET campus in Bangladesh	81	Samonty Das, Kazi ABM Mohiuddin and Easin Arafat	
14:54~15:06	E517	Removal of color from textile wastewater by adsorption process	83	Nazia Zerine, Kazi ABM Mohiuddin	
15:06~15:18	E519	Study on arsenic in cigarette smoke	85	Md. Rejaul Karim and Kazi ABM Mohiuddin	
15:18~15:30	E527	Development of a pilot-scale treatment plant for market wastewater	87	Azrina Karima and Kh. Mahbub Hassan	
15:30~15:42	E546	Management of solid wastes of air transport: a case study on Jessore airport, Khulna city region, Bangladesh	93	T.K. Roy, S. S. Misty and F.Hadia	
15:42~15:54	E571	Performance evaluation of natural coagulants (cicer arietinum and abelmoschus esculentus) comparing with alum in coagulation process	103	M M Rahman, A A Masrur Ahmed, M S A Khan and S S Joy	
15:54~16:06	E581	Solid waste management system at PSTU campus	107	Protiva Adhikary, Md. Hamidul Islam, Susmita Howlader Muna, Milton Saha and Musrat Emon	
~16:40	Prayer & Coffee Break				

17 th Technical Session		Transportation Engineering-III		Venue: Seminar Room B	
Session Chair: Prof. Dr. Hasib Mohammad Ahsan, BUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:05~14:17	T234	Problems and challenges in introducing bicycle as a potential mode of transport in Dhaka city	267	L.Barua and M.S. Hoque	
14:17~14:30	T235	Investigation of problems associated with usage of private car and possible measures to minimize its use	269	T.Saha and M.M. Rahman	
14:30~14:42	T250	Cycle-rickshaw as a sustainable mode of public transport in Dhaka city	275	R. Roy and M. S. Hoque	
14:42~14:54	T420	Prospects of inland waterways for freight traffic movement along Dhaka-Chittagong corridor and constraint analysis of full operation of the Pangaon Inland Container Terminal (PICT)	293	Md Z Habib and Albab U Noor	
14:54~15:06	T432	Urban road network management policy in Khulna metropolitan city and its improvement	295	Md. Sayed Rahman, Quazi Sazzad Hossain, Md. Esraz-Ul-Zannat	
15:06~15:18	T461	Current road accident situation in Khulna metropolitan city	297	Junayed Pasha and Quazi S Hossain	
15:18~15:30	T462	Development of accident prediction models for Khulna metropolitan city	299	Junayed Pasha and Quazi S Hossain	
15:30~15:42	T600	In search of an optimum track structure: indispensability of ballast economic for suitable and sustainable development	315	A H Buihyan	
15:42~15:54	T601	Designing a roundabout having centripetal motion with provision for pedestrian and bicycle facilities: a case study for 5 legged intersection	317	N. Haque, S. M. Mashrur, T. Saha, N. R. Khan, A. Mahmud, M. M. Hoque and M. Hadiuzzaman	
~16:40	Prayer & Coffee Break				

18 th Technical Session		Structural Engineering-IV		Venue: Seminar Room C	
Session Chair: Prof. Dr. Md. Monjur Hossain, KUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:05~14:17	S504	Study on salinity content of bricks and sands in Khulna region	209	Abu Zakir Morshed, S. M. Wasi Uddin, Anonna Ahmed Linda and Md. Robiul Islam	
14:17~14:30	S508	Performance study on no fines concrete	211	Md. Asif Bin Kabir and Kh. Md. Shafiul Islam	
14:30~14:42	S521	Effect of rebar corrosion on bond stress-slip behaviour in reinforced concrete	213	Md. Rakib and Abu Zakir Morshed	
14:42~14:54	S538	Study on prevention of rebar corrosion through cathodic protection by using sacrificial anode	215	Sheikh Shakib and Abu Zakir Morshed	
14:54~15:06	S564	Comparison of CEM I and CEM II cement concretes in terms of water permeability	217	R. Rumman, M. R. Kamal, T. Manzur and M. A. Noor	
15:06~15:18	S579	Strength enhancement of austenitic steel sections due to cold-forming	221	Milon Kanti Howlader and Michal Jandera	
15:18~15:30	S580	Influence of salt efflorescence on rendering mortar of brick masonry walls	223	M. R. Karim, M. H. Islam and S. Y. Morshed	
15:30~15:42	S585	Strength gain in concrete by membrane curing method	225	Belal Hossen, Afiya Narzis and Rowshon Jadid	
15:42~15:54	S588	Effect of horizontal irregularity on the behavior of multi-storey R/C buildings due to horizontal loads (BNBC/2006)	227	Sagar Ghos, Rafid-Al-Zahur Khandker and Md. Rokonzaman	
~16:40	Prayer & Coffee Break				

19th Technical Session		Environmental Engineering-VII		Venue: Seminar Room A	
Session Chair: Prof. Dr. S M Atiqul Islam, DUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:40~16:52	E414	Constructed floating wetlands for reducing waterborne diseases	41	Mashrekur Rahman, S M Tariquzzaman, and Susmita Das Nishu	
16:52~17:04	E506	Development of a groundwater arsenic removal filter using brick chips and sand	75	Pangkaj Kumar Mahanta and Khondoker Mahub Hassan	
17:04~17:16	E507	An application of water hyacinth for enhancing the quality of pond water in Sylhet city	77	T.D. Chowdhury, A.A. Masrur Ahmed, Adnan Shahriar and R.C. Biswas	
17:16~17:28	E539	Climate change induced sea level rise impact on agriculture and food security in south-west coastal region of Bangladesh	89	Hillol Chakma and Kh. Mahub Hassan	
17:28~17:40	E545	Characteristics of KCC drainage water of existing outlets over Mayur river and its treatment for safe disposal	91	Sharmin Zaman and Md. Saiful Islam	
17:40~17:52	E560	Development of a suitable treatment option for potential reuse of domestic grey water	95	Mostaruhi Sultana and Muhammed Alamgir	
17:52~18:04	E566	Emission estimation of air pollutants & its control techniques at cement manufacturing factory in Khulna	97	Zerin Binte Alam and Kazi ABM Mohiuddin	
19:00~	Depart to Conference Dinner				

20th Technical Session		Geotechnical Engineering-I		Venue: Seminar Room B	
Session Chair: Prof. Dr. Md. Abul Bashar, KUET				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:40~16:52	G177	Effects of water-level variation on the stability of slope by LEM and FEM	241	Md. M Sazzad, Faysal I Rahman and Md. A A Mamun	
16:52~17:04	G184	Engineering behavior of cement treated soft soil at high water content	243	Fatema Hoque Farzana and Islam M. Rafizul	
17:04~17:16	G407	Study on stabilization of organic soil with fly ash	245	M.A. Bashar and T. Biswas	
17:16~17:28	G502	Prediction of california bearing ratio of stabilized soil using artificial neural network	247	Belal Ali, Md. Azizur Rahman and Islam M. Rafizul	
17:28~17:40	G509	Numerical investigation on structural behavior of mat foundation: a parametric study	249	Tanisa Tasmim Sinthia, Md. Moniruzzaman Shuvo and Md. Rokonzaman	
17:40~17:52	G590	Study on some geotechnical properties of organic soil stabilized with fly ash	251	Bayshakhi Deb Nath and Md. Keramat Ali Molla	
19:00~	Depart to Conference Dinner				

21st Technical Session		Structural Engineering-V		Venue: Seminar Room C	
Session Chair: Brig. Gen. Sams Khan, P.Eng., Ex-Chairman, KDA				Date: 13/02/2016 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:40~16:52	S431	Properties of self-compacting concrete made with boiler burnt husk ash	199	Md. Mainul Bashar and Abu Zakir Morshed	
16:52~17:04	S574	Design and financial analysis of 20" dn x 1000 psig x 25 km parallel line from Monohordi to Narsingdi-valve station 12	219	Md Ashrafur Islam Khan, A. B. M. Hedayatul Islam, Khaled Mohammad Jahid Hossen and Mir Raisul Islam	
17:04~17:16	S589	Effect of skew angle on live load distribution of skew composite girder bridge	229	Md Basir Zisan, M. Z. Mousumi and Md Naimul Haque	
17:16~17:28	S592	Bearing Characteristics of Concrete in Composite Structure	231	Md. Khasro Miah and A. S. M. Morshed	
17:28~17:40	S595	Properties of concrete modified with sugarcane baggage ash and stone dust	233	Abid Hasan Manon, Mir Abdul Kuddus, Shoaib Ibn Hasan	
17:40~17:52	S596	Effect of Time Period and Damping Coefficient on seismic Performances of OGS RC Buildings	235	Md. Nazrul Islam, Tapan Kumar Nath and Md. Khasro Miah	
17:52~18:04	S599	Extent of salinity movement in multiple and single brick samples	239	Q Hamidul Bari, M Ashfaqur Rahman, S M Minarul Islam and Wakeel Alam	
19:00~	Depart to Conference Dinner				

----- O -----