



2ND INTERNATIONAL CONFERENCE ON ADVANCES IN CIVIL ENGINEERING

26-28 DECEMBER 2014

Department of Civil Engineering

Chittagong University of Engineering & Technology (CUET)

Chittagong-4349, Bangladesh



Program Schedule

In Association with



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ICACE-2014 Program Schedule at a Glance

26 December 2014

9:00-9:45	Registration	Central Auditorium, CUET
9:45-10:45	Keynote 1	Speaker: Prof. Dr. B. B. Pandey, INDIA Venue : Central Auditorium
10:45-11:00	Coffee break	Central Auditorium, CUET
11:00-13:00	Inaugural ceremony	Central Auditorium, CUET
13:00-14:30	Lunch and prayer break	Central Auditorium, CUET
14:30-15:30	Keynote 2	Speaker: Prof. Dr. Tamon Ueda, HU, JAPAN Venue : Seminar Room Dept. of Civil Engineering
15:30-15:45	Coffee break	Dept. of Civil Engineering
15:45-17:15	Technical Sessions 1-4	Dept. of Civil Engineering Room No.: 1201, 1202, 1203, 1222

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9:15-10:45	Technical Sessions 5-8	Dept. of Civil Engineering Room No.: 1201, 1202, 1203, 1222
10:45-11:00	Coffee break	Dept. of Civil Engineering
11:00-12:00	Keynote 3	Speaker: Prof. Dr. K. Konagai, YNU, JAPAN Venue : Seminar Room Dept. of Civil Engineering
12:15-13:45	Technical Sessions 9-12	Dept. of Civil Engineering Room No.: 1201, 1202, 1203, 1222
13:45-14:45	Lunch break	Dept. of Civil Engineering
14:45-15:45	Keynote 4	Speaker: Prof. Dr. S. Z. Basunia, BANGLADESH Venue : Seminar Room Dept. of Civil Engineering
15:45-16:00	Coffee break	Dept. of Civil Engineering
16:00-17:30	Technical Sessions 13-16	Dept. of Civil Engineering Room No.: 1201, 1202, 1203, 1222
17:30	Bus starts from CUET Campus for Gala dinner at Hotel Ambrosia	Dinner starts from 7:30 PM

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9:00-10:30	Technical Sessions 17-20	Dept. of Civil Engineering Room No.: 1201, 1202, 1203, 1222
10:30-10:45	Coffee break	Dept. of Civil Engineering
10:45-12:15	Technical Sessions 21-24	Dept. of Civil Engineering Room No.: 1201, 1202, 1203, 1222
12:15-13:30	Closing ceremony	Seminar room, Dept. of Civil Engg.
13:30-14:30	Closing lunch	Dept. of Civil Engineering

KEYNOTE SCHEDULE

<p style="text-align: center;">26 December 2014 9:45-10:45</p> <p>Venue: Central Auditorium, CUET</p>	<p style="text-align: center;">Keynote 1</p> <p>Speaker: Prof. Dr. B.B. Pandey Sponsored Research and Industrial Consultancy, India</p>	<p style="text-align: center;">Session Chair: Prof. Dr. M. Omar Imam Chittagong University of Engineering and Technology, Bangladesh</p>
<p style="text-align: center;">26 December 2014 14:30-15:30</p> <p>Venue: Seminar Room, Civil Engg. Building, CUET</p>	<p style="text-align: center;">Keynote 2</p> <p>Speaker: Prof. Dr. Tamon Ueda Hokkaido University, Japan</p>	<p style="text-align: center;">Session Chair: Prof. Dr. Md. Saiful Islam Chittagong University of Engineering and Technology, Bangladesh</p>
<p style="text-align: center;">27 December 2014 11:00-12:00</p> <p>Venue: Seminar Room, Civil Engg. Building, CUET</p>	<p style="text-align: center;">Keynote 3</p> <p>Speaker: Prof. Dr. K. Konagai Yokohama National University Japan</p>	<p style="text-align: center;">Session Chair: Prof. Dr. Md. Jahangir Alam Vice-Chancellor Chittagong University of Engineering and Technology, Bangladesh</p>
<p style="text-align: center;">27 December 2014 14.30-15:30</p> <p>Venue: Seminar Room, Civil Engg. Building, CUET</p>	<p style="text-align: center;">Keynote</p> <p>Speaker: Prof. Dr. Shamim Z Basunia Honorary President The Institution of Engineers, Bangladesh</p>	<p style="text-align: center;">Session Chair: Prof. Md. Mozammel Hoque Ex-Vice-Chancellor Chittagong University of Engineering and Technology, Bangladesh</p>

EE- Environmental Engineering (Session-1), Venue: Room No.1202 (1st Floor, Civil Engg. Building)
Session Chair: Dr. Sudip Kumar Pal, Associate Professor, Department of Civil Engineering, CUET
Date: 26/12/2014, Time:15:45-17:15

Sl.	Paper Id	Paper Title	Author Name	Time
1	EE-05	Discharging of Toxic Chromium After Wet-Blue Production from Tannery at Hazaribagh, Bangladesh Causing Serious Pollution	M. A. Hashem, A. Islam, S. Mohsin & B. K. Mondal	15:45-15:58
2	EE-07	Health Risks Associated with Workers Due to Coal Dust in Pigment Production Factories	M. N. Alam, M. S. Islam, M. S. Mia, N. F. Shemu & G. C. Saha	15:58-16:11
3	EE-09	Pollution vs. Regulations-Screening of Physical and Chemical Parameters Near Real Time in Tannery at Beam House, Hazaribagh, Bangladesh	M. A. Hashem, S. Mohsin & A. Islam	16:11-16:24
4	EE-20	Water Pollution Status of Karnaphuli River Nearby Chittagong City Corporation Area	I. Haider, A. Kadir, R. A. Mullick & S. K. Palit	16:24-16:37
5	EE-28	A Study on Effect of Industrial Effluents on Surrounding Environment (Water Body)	Fahmida Parvin, M.A. Yusuf, O. A. Chowdhury, M.A. Rahman & Indrajit Barua	16:37-16:50
6	EE-35	Feasibility Study Of Pharmaceutical Wastewater From Cephalosporin Processing Unit	Masrura, U. Sayeda, Haider, K. Shafayet & Farooque Ahmed	16:50-17:03
7	EE-44	Study on Compacted Clay Liner Used in a Pilot Scale Sanitary Landfill	Md. Assaduzzaman, Md. Rajedul Islam and Muhammed Alamgir	17:03-17:15

EE- Environmental Engineering (Session-2), Venue: Room No.1202 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Niamul Bari, Professor, Department of Civil Engineering, RUET****Date: 27/12/2014, Time: 9:15-10:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	EE-10	Solid Waste Generation During Fleshing Operation From Tannery and its Environmental Impact: Bangladesh Perspective	M. A. Hashem, M. S. Nur-A-Tomal & B. K. Mondal	9:15-9:28
2	EE-17	E-Waste Recycling Practices in Bangladesh (A Case Study on Chittagong City)	Md. Ashraful Islam, Kutub Uddin Chisty & Md. Shahjalal Misuk	9:28-9:41
3	EE-23	Environmental Impact Assessment of Brick Chips Construction	Md. Shahrrior Alam, Syed Ishtiaq Ahmad	9:41-9:54
4	EE-11	Study on Environmental Impact Assessment (EIA) of Proposed Lebukhali Bridge Construction Project in Patuakhali, Bangladesh	Md. Shafiqul Islam, Tania Yeasmin & Md. Shamsuzzoha	9:54-10:07
5	EE-25	Study on the Water Consumption Behavior in Khulna City	S. M. Moniruzzaman, M. H. Mishuk, Q.S. Sayeed & Md. H. Rahaman	10:07-10:20
6	EE-43	Prospects of Diaper Disposal and its Environmental Impacts on Populated Urban Area like Dhaka City	S. H. Rahat, A. T. Sarkar, S. A. A. Rafie, S. Hossain	10:20-10:33
7	EE-45	Study on Hazardous Waste in Barisal City	Md. Hamidul Islam, Shampa Reza Katha, Md. Sabbir Ahmed, Protiva Adhikary, Susmita Howlader Muna & Ayesha Siddiqua	10:33-10:45

EE- Environmental Engineering (Session-3), Venue: Room No.1202 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Asiful Hoque, Associate Professor, Department of Civil Engineering, CUET****Date: 27/12/2014, Time: 12:15-13:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	EE-03	Compatibility Study of Faecal Sludge Drying Bed with Reed Bed System in Secondary Towns of Bangladesh	S. K. Biswas, S. S. Hossain, M. S. Hassan & S. Debnath	12:15-12:28
2	EE-52	Noise Pollution In Chittagong City	M. A. Kader, M.A.I Khan & S.K. Palit	12:28-12:43
3	EE-14	Application of Floating Treatment Wetlands for Lake Water Treatment in Bangladesh	T. Sarker, M.Rahman & A.I.Khan	12:43-12:58
4	EE-22	Evaluating The Effectiveness off Retention Tank on Iron Removal Efficiency, A Case Study of CUET IRP	Sabbir. Ahmmed, Md. Ibrahim Khalil, Sudip Kumar Pal	12:58-13:11
5	EE-33	Renovation of Separate Sewer Network and its Engineering Significances at A Residential Area in Bangladesh: A Case Study	Quazi Shammas Sayeed, S. M. Moniruzzaman & M. H. Mishuk	13:11-13.20
6	EE-73	Characterization of Lignocellulosic Agricultural Waste Material for Bio-Fuel Production	Md. Niamul Bari, Saiful Islam	13:20-13:33
7	EE- 41	Manganese Removal from Water by Filtration Through Manganese Oxide Coated Media	B. Bose, M. R. Islam & M. A. Ali	13:33-13:45

EE- Environmental Engineering (Session-4), Venue: Room No.1202 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Niamul Bari, Professor, Department of Civil Engineering, RUET****Date: 27/12/2014, Time: 16:00-17:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	EE-57	A Study on Solid Waste Management of Dhaka City: An Emphasis on Reduction, Recycle & Reuse of Waste	Rafiur Rahman Khan Taim & Rafat Tanvir Ahmed Shuvo	16:00-16:15
2	EE-54	Pharmaceutical Wastewater Management (WWM): A Review	M. F. Zaman, M. S. Akter& I. B. Muhit	16:15-16:30
3	EE-63	Solid Waste Management System: A Study On Cox-Bazar Pourashava	K. M. Rahman, N. A. Hashi & A. Habib	16:30-16:45
4	EE-64	Study on Solid Waste Recycling and Reuse in Barisal City	Md. Hamidul Islam, Protiva Adhikary, Susmita Howlader Muna, Ayesha Siddiqua, Shampa Reza Katha & Md. Sabbir Ahmed	16:45-17:00
5	EE-66	State of the Functional Elements of Solid Waste Management in Chittagong City Corporation Area	Md. A. Bashar, T. M. A. Rahman, A. Rahma, I. Haider, S. A. Mohit, Md. Mohiuddin, A. Chowdhury, Md. A. Rahman & Md. S. Sarkar	17:00-17:15
6	EE-36	Air Quality Status of Dhaka City and Effects of Seasons, Weekends, Eid and Hartal Days	M.M. Islam & S. Afrin	17:15-17:30
7	EE-30	Assessment of Capacity Reliability of Newly Constructed Special Sewage Diversion System at Hatirjheel, Dhaka	R. Biswas, M. A. Ali	17:30-17:45

EE- Environmental Engineering (Session-5), Venue: Room No.1202 (1st Floor, Civil Engg. Building)
Session Chair: Dr.Sudip Kumar Pal, Associate Professor, Department of Civil Engineering, CUET
Date: 28/12/2014, Time: 9:00-10:30

Sl.	Paper Id	Paper Title	Author Name	Time
1	EE-70	Role of Green Roof on Temperature Reduction and Socio-Economic Development in a City, Bangladesh	S. Halder, M. A. A. Pavel, M. B. Uddin, K. Harada & S. K. Bala	9:00-9:15
2	EE-69	Assessment of Brick Kilns in Bangladesh: Energy, Financial and Environmental Performance	S. Pk., M. S. Hossain, L. C. Mazumder & T. Sultana	9:15-9:30
3	EE-06	Environmental Management Plan on Proposed Kalishuri to Surjomoni Union Road Construction Project at Bauphal, Patuakhali, Bangladesh	Md. Hamidul Islam, Md. Shafiqul Islam, Sahadat Hossain & Tania Yeasmin	9:30-9:45
4	EE-13	Reliability Analysis of Urban Rainwater Harvesting: A Case Study of Dhaka City	Md. Rezaul Karim, Md. Zobair Ibne Bashar & Khondokar Kamrujjaman Nabil	9:45-10:00
5	EE-46	Utilizing Electronic Waste: An Efficient Way to Technologically Developed Bangladesh	Md. Abdus Samad, Md. Jobayer Hossain, A.S.M. Riyad & Md. Sarwar Jahan	10:00-10:15
6	EE-51	The Influence of Meteorology on Particulate Matter Concentration in the Air of Dhaka City	S. Afrin, M.M. Islam, T. Ahmed & M.A. Ali	10:15-10:30

EE- Environmental Engineering (Session-6), Venue: Room No.1202 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Asiful Hoque, Associate Professor, Department of Civil Engineering, CUET****Date: 28/12/2014, Time: 10:45-12:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	EE-15	Arsenic Contamination of Groundwater in Bangladesh: A Case Study in Brahmanbaria District	S. Pk., M. A. H. Kafi, M. S. Hossain & A. K. Chowdhury	10:45-10:58
2	EE-42	Performance Evaluation of Existing Community Level Arsenic Removal Plants for Arsenic Free Drinking Water Supply in Jessore And Jhenidah Districts of Bangladesh	Prianka Ghosh, Sayka Jahan, Tapos Kumar Chakraborty, Md. Abu Shamim Khan & Gopal Chandra Ghosh	10:58-11:11
3	EE-62	Pond Sand Filter: An Alternate Way of Safe Drinking Water	Mostafa Zaman, Liakot Hossain & Swapan Kumar Palit	11:11-11:24
4	EE-31	Characterization of Grey Water Generated from a Residential Hall and its Potentiality for Non-Potable Uses	M. S. Islam, M. S. Mia, M. Sumun, G. Biswas & M. S. Osman	11:24-11:37
5	EE-24	Temporal Variation of Biomass Concentration in the Bangladesh Sundarbans Using Remote Sensing Techniques	Ahsan Azhar Shopan, G.M. Tarekul Islam, A.K.M. Saiful Islam, Md. Munsur Rahman, Attila N. Lázár & Craig Hutton	11:37-11:50
6	EE-50	Analyzing the Impact of Cyclone Mohasen on the Coastal Cordon of Bangladesh	Md. Shafiqul Islam, Md. Hamidul Islam, Ferdaush Ahmed, Khursid Alam, Asaduzzaman Nayeem	11:50-12:03
7	EE-72	Mobile Waste and its Impact on Environment: Bangladesh Perspective	A. Rahman & P. Paul	12:03-12:15

SEM- Sustainable Engineering and Management (Session-1), Venue: Room No.1201 (1st Floor, Civil Engg. Building)

Session Chair: Dr. Hasib M. Ahsan, Professor, Department of Civil Engineering, BUET

Date: 27/12/2014, Time:12:15-13:45

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEM-09	Transformation of Blighted Space to Vibrant Space : A Resilient Approach	Abu Yousuf Swapan	12:15-12:28
2	SEM-23	Coastal Communities Could Survive in Cyclone: A Case Study on Water Gypsy (BEDE)	Irteja Hasan, Ibrahim Khalil, Ali Adnan & S. Hossain	12:28-12:43
3	SEM-25	Reduction of Energy Consumption, CO2 Emission & Construction Cost of a Model Building	M. A. Imran & M. T. Islam	12:43-12:58
4	SEM-31	Impact of Urban Partnership for Poverty Reduction (UPPR) Project: A Case Study on Ward No. 35 Of Chittagong City Corporation	K. M. Rahman & N. A. Hashi	12:58-13:11
5	SEM-40	Prospect of Solar Energy as the Solution of Existing Power Crisis on Coastal Area of Bangladesh: A Study Focus on Rangabali Upazila	Md. Shafiqul Islam, Tania Yeasmin, Md. Hamidul Islam, Md. Sohel Mir, Irteja Hasan & Md. Tanzilur Rahman	13:11-13:20
6	SEM-56	Changing Pattern of Temperature and Rainfall in the South East Part of Bangladesh	M. Reaz Akter Mullick and Ridwan Mohammed Nur	13:20-13:33
7	SEM-55	Trends in Climatic Variables in North-West Region of Bangladesh	A. T. M. H. Zubeyer	13:33-13:45

**SEM- Sustainable Engineering and Management (Session-2), Venue: Room No.1201 (1st Floor, Civil Engg.
 Session Chair: Dr. Md. Nazrul Islam, Professor, Department of Civil Engineering, DUET
 Date: 28/12/2014, Time:10:45-12:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEM-18	Prospects of Porous Concrete in Civil Engineering Applications	M. F. Zaman & G. M. S. Islam	10:45-11:00
2	SEM-43	Eco-Friendly Sustainable Concrete Using Recycled Materials: A Review	S. Rana	11:00-11:15
3	SEM-44	Possibilities of Increasing Setting Time Using Rice Husk Ash (RHA) Cement as Binding Material	Md. Shahriar Alam & Syed Ishtiaq Ahmad	11:15-11:30
4	SEM-51	Methodology for Assessing Corrosion of Reinforced Concrete in Marine Environment	Md. Ibrahim Mostazid, Md. Refatul Karim Chy, Mohammed Morshedul Hoque, Md. Moinul Islam & Md. Saiful Islam	11:30-11:45
5	SEM-42	Suitability and Comparative Analysis of Local Coastal Sands in Concrete Construction	S Das, M. A. Muhiddin A. M. F. Rashid and K. M. Islam	11:45-12:15
6	SEM-53	Landslide Susceptibility Mapping Using Analytical Hierarchy Process In Chittagong City Corporation Area	S. Das, D. R. Raja	12:00-12:15

TE- Transportation Engineering (Session-1), Venue: Room No.1201 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Mazharul Hoque, Professor, Department of Civil Engineering, BUET****Date: 27/12/2014, Time: 9:15-10:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	TE-26	Development of an M/M/C/K State-Dependent Model for the Management of Pedestrian Movements on Sidewalks	K. Rahman, N. A. Ghani, A. A. Kamil & A. Mustafa	9:15-9:26
2	TE-10	Implementation Of Congestion Pricing: A Solution For Bangladesh	S. M. R. Rahman, M. R. Mannan & M. S. Mamun1	9:26-9:37
3	TE-20	A Study On Identifying The Possibility Of Bicycle As A Potential Transportation Mode In Dhaka	D. Dey, S. Akter & M. A. B. Siddique	9:37-9:48
4	TE-21	Symposium On Forgiving Roads And Roadsides: An Innovative Challenge	Rabbani Rash-Ha Wahi	9:48-09:59
5	TE-11	Key Issues of Rail Safety in Bangladesh	Hasib Mohammed Ahsan, Mutamid Billah Azzacy, & Md. Shajedul Islam	09:59-10:10
6	TE-06	Development of Trip Assignment Software for Auto Trips	M. S. Mamun, J. Khalil, T. Islam1, N. Haque & M. A. Hossain	10:10-10:21
7	TE-24	Determination of Trip Attraction Rates of Shopping Centers in Dhaka City	M. S. Mamun, S. M. R. Rahman, M. M. Rahman, Y. B. Aziz1 & M. A. Raihan	10:21-10:32
8	TE-12	Need for A Sustainable Public Transport in Dhaka, The Capital City of Bangladesh	Hasib Mohammed Ahsan	10:32-10:45

TE- Transportation Engineering (Session-2), Venue: Room No.1201 (1st Floor, Civil Engg. Building)**Session Chair: Dr. S. K. Palit, Professor, Department of Civil Engineering, CUET****Date: 28/12/2014, Time: 9:00-10:30**

Sl.	Paper Id	Paper Title	Author Name	Time
1	TE-39	Feasibility of Concrete Pavement in Bangladesh	Rahman. Md Towhid Ur & Zakaria. M	9:00-9:13
2	TE-08	Examining the Effect of Intersection Angle on the Safety Behavior of Left Turning Vehicle Driver at Signalized Intersection	Hasina Iasmin, Hisashi Kubota & Aya Kojima	9:13-9:26
3	TE-38	Safety Investigation and Assessment of High Risk Road Sections in Bangladesh	Md. Mazharul Hoque, Kamol Chandra Roy & Md. Imran Shah	9:26-9:39
4	TE-13	Modification of Pavement Binder Using Waste Polyethylene	Md. Jibon, Md. M. Rahman & S. K. Palit	9:39-9:52
5	TE-33	Seasonal Variation and The Effects of Subgrade Resilient Modulus on Pavement Rutting using MEPDG	M. M. Rahman, S. L. Gassman & M. M. Tamim	9:52-10:05
6	TE-37	The Role and Integration of Non-Motorized Transport for Efficient Public Transport System in Dhaka	Md. Mazharul Hoque, S.M.A. Bin Al Islam & Debashis Saha	10:05-10:18

SEE- Structural and Earthquake Engineering (Session-1), Venue: Room No.1203 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Saiful Islam, Professor, Department of Civil Engineering, CUET****Date: 26/12/2014, Time:15:45-17:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEM-17	Potential of Recycled Glass as Cementitious Material in Concrete	M. H. Rahman, A. A. Shames & G. M. S. Islam	15:45-15:58
2	SEE-61	A Study of Lightweight Green Concrete Using Waste Plastic	M. J. Islam, A. Hasnat, A. S. M. Sayem & F. Tousif	15:58-16:11
3	SEE-58	Comparison of Engineering Properties of Coarse Aggregates Collected from Different Sources in Bangladesh	Jahangir Alam, Md. Saiful Islam & A.H.M. Golam Hyder	16:11-16:24
4	SEE-22	Structural Strength and Behaviour of Multi-Web Profiled Steel Sheet Subjected to Web Crippling for Interior One Flange Loading	S. M. Zahurul Islam & Md. Parves Hossain	16:24-16:37
5	SEE-70	Effect of Specimen Sizes on The Compressive Strength of Concrete	M. K. Miah, M. M. Rahaman, M. R. Karim & M. J. Mian	16:37-16:50
6	SEE-66	Strength Evaluation of Mortar by Inclusion of Stone Dust as A Cement and Sand Replacing Material	M. T. Raihan & I. B. Muhit	16:50-17:03
7	SEE-67	Treatment of Recycled Aggregate by Impregnation of OPC to Improve Concrete Properties	M. O. Imam, Tafsirojjaman, M. M. Rashid	17:03-17:15

SEE- Structural and Earthquake Engineering (Session-2), Venue: Room No.1203 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Abdur Rahman Bhuiyan, Professor, Department of Civil Engineering, CUET****Date: 27/12/2014, Time:9:15-10:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEE-01	A Study of RCC Frame Buildings With Vertical Discontinuity	M. J. Islam & N. B. Masud	9:15-9:26
2	SEE-02	Lateral Strengthening Systems Of Multiple Span Flat Plate Building And Dynamic Analysis	R.K Biswas, M. Muazzam, R. Jany & M. Rahman	9:26-9:37
3	SEE-38	Numerical Approach to Frequency Domain Gust Response Analysis of Structures	M. R. Awall, H. Yamaguchi, T. Humyra & N. H. M. K. Serker	9:37-9:48
4	SEE-73	Seismic Performance Evaluation of Seismically Isolated Reinforced Concrete Building: A Case Study	Md. Abul Hasan and M. A. R. Bhuiyan	9:48-9:59
5	SEE-07	Seismic Analysis of Some Historical Masonry Structures in Bangladesh	F. Mehzabin & I. Anam	9:59-10:10
6	SEE-08	Spatial Variation of Physical Properties of Aggregates in Bangladesh	A. Rahman, M. A. Noor & S. K. Das	10:10-10:21
7	SEE-53	Experimental Investigation of The Single Shear, Double Shear and Flexural Shear Behavior of Steel Fiber Reinforced Concrete (SFRC)	M. M. Islam, M. S. Khatun, J. F. Dola, M. R. U. Islam, M. Hussan & A. Siddique	10:21-10:32
8	SEE-79	Seismic Performance Of Different Height Reinforced Concrete Structures Including Uncertainty	P. K. M. Moniruzzaman, T. Biswas & A. Shirwa	10:32-10:45

SEE- Structural and Earthquake Engineering (Session-3) , Venue: Room No.1203 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Rabiul Alam, Professor, Department of Civil Engineering, CUET****Date: 27/12/2014, Time:12:15-13:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEE-12	Evaluating Plastic Shrinkage of Fiber Reinforced Concrete	S. D. Gupta & G. M. S. Islam	12:15-12:26
2	SEE-13	Transfloor Slab System- A Convenient Approach of RCC Construction	O. C. Debanath, G. M. S. Islam & M. S. Islam	12:26-12:37
3	SEE-17	Differential Deflection And Distrtion-Induced Fatigue In Multi I--Girder Curve Skewed Bridge Under Moving Vehicle	Md Basir ZISAN	12:37-12:48
4	SEE-18	Effects of Inclusions on Mechanical Properties of Reinforced Bars	A. Hossain, F. Gulshan & ASW. Kurny	12:48-13:03
5	SEE-04	Experimental Investigation of Flexural Tension, Splitting Tension and Direct Tension Capacity of Steel Fiber Reinforced Concrete (SFRC)	M. M. Islam, M. A. Sayeed, E.A. Hossain, S.S. Ahmed, M.A. Chowdhury & A. Siddique	13:03-13:18
6	SEE-27	Application of FRP Materials for Strengthening of RC Structural Members	F. H. Chowdhury & G. M. S. Islam	13:18-13:21
7	SEE-29	Manufacturing Processes of Carbon Fiber Reinforced Polymer and Its Beneficial Approach to Retrofitting and Strengthening of Structural Elements	M.A. Huq Chowdhury	13:21-13:32
8	SEE-51	Finite Element Modeling, Analysis and Validation of the Flexural Capacity of RC Beams Made of Steel Fiber Reinforced Concrete (SFRC)	M. M. Islam, M. S. Rahman, S. M. Mitu, M. S. Salekin, M. R. Islam, M. A. Chowdhury & A. Siddique	13:32-13:45

SEE- Structural and Earthquake Engineering (Session-4) , Venue: Room No.1203 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Jahangir Alam, Professor, Department of Civil Engineering, CUET****Date: 27/12/2014, Time:15:45-17:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEE-25	Seismic Safety Evaluation of Bahaddarhat Highway Bridge	H. Alim, A.K.M. T. A. Khan, M. A. R. Bhuiyan	15:45-15:56
2	SEE-20	Seismic Vulnerability Analysis of Open Ground Story Reinforced Concrete Buildings	M. N. Islam & T. K. Nath	15:56-16:07
3	SEE-41	Seismic Vulnerability Assessment of Existing Reinforced Buildings at Sholokbohor Area	M. Rahman, Fahmida Parvin, M. A. Yusuf, J. Uddin, M.G. Uddin, M.P. Alam	16:07-16:18
4	SEE-39	Seismic Behavior of RC Buildings Having Different Types of Slabs with Opening	S. R. Chowdhury, M. A. Alam, M .A .Hasan & T. I. Tamzid	16:18-16:29
5	SEE-76	Seismic Rehabilitation of Flat Slab Building By using CFRP Bars and Steel Bracket	M. Ashiquzzaman & M. T. Islam	16:29-16:40
6	SEE-82	Seismic Performance of Flat Plate Structures Designed only for Gravity Loads	M. R. Islam, &T. R. Hossain	16:40-16:51
7	SEE-75	Finite Element Modeling, Analysis And Validation of The Shear Capacity of RC Beams Made of Steel Fiber Reinforced Concrete (SFRC)	M. M. Islam, M. S. Hossain, S. Amin, Z. Islam, M. Bala, M. Chowdhury & A. Siddique	16:51-17:02
8	SEE-72	Seismic Damage Estimation for Sylhet City Corporation Area Using RADIUS	R K Mazumder and A R Bhuiyan	17:02-17:15

SEE- Structural and Earthquake Engineering (Session-5), Venue: Room No.1203 (1st Floor, Civil Engg. Building)**Session Chair: Dr. M. K. Miah, Professor, Department of Civil Engineering, DUET****Date: 28/12/2014, Time:9:00-10:30**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEE-28	Vibration Control of Structures with Multiple Tuned Mass Dampers for Different Earthquake Considering Different Types of Soil	R. Debbarma & S. Hazari	9:00-9:11
2	SEE-33	Investigation on Performance Based Non Linear Push Over Analysis of Flat Plate RC Buildings	R.K. Biswas, Y. Dinar, Shisir Barua & A.M. Jubary	9:11-9:22
3	SEE-34	Effect of Aspect Ratio on Column Strengthening Using FRP Laminates	Md Shajal Khan, Md. Abul Bashar Emon & Tanvir Manzur	9:22-9:33
4	SEE-35	Numerical Modelling of Reinforced Concrete Beams with Opening	S.R. Chowdhury, R.B. Hafiz, S. Ahmed & S. Barua	9:33-9:44
5	SEE-68	A study on the Strength Behavior of Concrete in NaCl Environment	R. A. Bhuiyan, M. Islam and S. Islam	9:44-9:55
6	SEE-45	Flexural Retrofitting of Reinforced Concrete Beam using Ferrocement	M.R. Alam, M. A. Hossain, R. Dey, M. M. Uddin	9:55-10:06
7	SEE-43	Suitability of A Recently Practiced Retrofitting Technique	Md. Ayatullahkhomeni, Abu Bakar Md. Siddique, Tanvir Manzur & Eqramul Hoque	10:06-10:17
8	SEE-26	An Improved Rheology Model of High Damping Rubber Bearing For Seismic Analysis	A.K.M. T. A. Khan & M. A. R. Bhuiyan	10:17-10:30

SEE- Structural and Earthquake Engineering (Session-6), Venue: Room No.1203 (1st Floor, Civil Engg. Building)
Session Chair: Prof. Md. Mozammel Hoque, Ex-Vice-Chancellor, CUET, Bangladesh
Date: 28/12/2014, Time:10:45-12:15

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEE-47	Relative Stiffness of Slab-Column Joint in Flat-Plate	S. Ahmed & M. R. Amin	10:45-10:56
2	SEE-78	Seismic Performance of A Moment Resisting Reinforced Concrete Frame Including Uncertainty	P. K. M. Moniruzzaman, F. H. Oyshi, A. F. Farah & F. M. Omar	10:56-11:07
3	SEE-54	Effects on Cable Configuration Due to Change in Different Geometric Parameters of Extradosed Bridges	Shisir Barua & Abu Md. Jubary	11:07-11:18
4	SEE-56	Effects of Heat Treatment and Alloying Element (Cr) on Microstructures and Mechanical Properties of Low Carbon Structural Steel	Md. Mehedi Hasan, M.A.K. Azad, Md. Hamidur Rahman, S. I. Hossain & Md. T. Islam	11:18-11:29
5	SEE-64	Effectiveness of R.C.C Framed System with Best Economy under Different Arrangement of Shear Wall Location	S. Khusru, M. U Chowdhury, S. Khatoon, T. S. Preoti, R. Islam & N. Akhter	11:29-11:40
6	SEE-65	Finite Element Modeling, Analysis And Validation of Axial Capacity of RCC Columns Made of Steel Fiber Reinforced Concrete (SFRC)	M. M. Islam, R. Akhter, K. S. Islam, R. Tabassum, M. A. Chowdhury, R. Reza & A. Siddique	11:40-11:51
7	SEE-77	SSI Model for Base-Isolated Containment Building In Nuclear Power Plant	M. Ashiquzzaman, L. Hui, M. T. Islam & K. J. Hong	11:51-12:02
8	SEE-81	Numerical Evaluation of Seismic Resistance of Masonry Walls Made with Clay Masonry Units	S. Biswas & A. R. Bhuiyan	12:02-12:15

SEE- Structural and Earthquake Engineering (Session-7), Venue: Room No.1222 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Moinul Islam, Professor, Department of Civil Engineering, CUET****Date: 28/12/2014, Time:10:45-12:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	SEE-85	Study on the Behavior of Concrete Strength Using Recycle Tire as A Partial Replacement of Coarse Aggregate	Shubhagata Roy, M Shazzadul Islam, M Tarequl Alam & M Saiful Islam	10:45-10:56
2	SEE-86	Durability of Structural Concrete in Acidic Environment-A Review	Sabrina Islam, M Rabiul Alam and G M Sadiqul Islam	10:56-11:07
3	SEM-20	Strength Behaviour and Durability of Silica Powder Blended Concrete in Acidic Environment	Suborno Debnath, Sajib Khan, Bipul Chandra Mondal & Md.Saiful Islam	11:07-11:18
4	SEM-21	An Investigation on Compressive Strength of Concrete With Recycled Aggregates	M.A. Mohiuddin, S. Das, K.M. Islam, M.A. Hasan	11:18-11:29
5	SEM-52	Use of Fly Ash in Making Green Durable Concrete for Coastal Structures	M. Islam & S. Islam	11:29-11:40
6	SEM-41	A Study on the Strength Characteristics of Steel Fiber Reinforced Concrete	Nafisa Tabassum, Jonayed Kaiser Sourav, Md. Saiful Islam & Md. Moinul Islam	11:40-11:51
03	07	Use of Paper Industry Waste in Making Low Cost Concrete	S. Chakraborty, T. Mahmud, M. M. Islam & M. S. Islam	11:51-12:02
8	SEE-03	An Experimental Study on Influence of Recycled Aggregates on Concrete Compressive Strength in Marine Environment	M.R. Mukhlis, M.R. Hoque & M.T. Alam	12:02-12:15

GE- Geotechnical Engineering (Session-1), Venue: Room No.1201 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Mahmood Omar Imam, Professor, Department of Civil Engineering, CUET****Date: 26/12/2014, Time:15:45-17:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	GE-01	Standard Methods for Evaluating Earthquake Induced Soil Liquefaction Potential	M. S. Sarkar & S. M. Farooq	15:45-15:58
2	GE-05	Introduce to Soil Profile of Bangladesh	U. Saha, S. K. Das, F. Rukshana & S. R. Chowdhury	15:58-16:12
3	GE-11	Effect of Particle Size and Relative Density on Dynamic Resistance of Clean Sand	Md. Assaduzzaman, Md. Rajedul Islam & Md. Jahangir Alam	16:12-16:25
4	GE-12	Effect Of Surcharge on The Stability of Slope in A Homogeneous Soil By FEM	M. M. Sazzad & M. F. Haque	16:25-16:38
5	GE-10	Comparison between Numerical and Analytical Solution of Seepage Flow Through Earth Dam	M. M. Sazzad, M. Roy & M. S. Rahman	16:38-16:51
6	GE-02	A Numerical Study on the Effect of Surcharge on The Stability Of Slope	M. M. Sazzad & M. M. Moni	16:51-17:04
7	GE-14	Modeling the Undrained Behavior of Granular Materials from Drained Test using Dem	M. M. Sazzad, M. A. Habi & R. Karim	17:04-17:15

GE- Geotechnical Engineering (Session-2), Venue: Room No.1201 (1st Floor, Civil Engg. Building)
Session Chair: Mr. S. M. Farooq , Associate Professor, Department of Civil Engineering, CUET
Date: 27/12/2014, Time:15:45-17:15

Sl.	Paper Id	Paper Title	Author Name	Time
1	GE-25	Shape Effect on the Bearing Capacity of Footing Resting on Clay	M. Rokonzaman, M. K. Ahsan, M. N. Haque and T. Sakai	15:45-16:03
2	GE-23	Design Optimization of Foundations Using GA	Islam, M.S.and Rokonzaman M.	16:03-16:21
3	GE-16	Effectiveness of Sand Column as A Ground Improvement Technique	Md. Ikramul Hoque & Mir Abdul Kuddus	16:21-16:39
4	GE-15	Simulation of Undrained Behavior of Granular Materials by Constant Volume Method	M. M. Sazzad, M. A. Habib & R. Karim	16:39-16:57
5	GE-06	Identification of Some Black Spots in Chittagong City and Assessment of their Geometric Faults.	Hasnin Fatema Kanon	16:57-17:15

WRE- Water Resources Engineering (Session-1), Venue: Room No.1222 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Hazrat Ali, Professor, Department of Civil Engineering, CUET****Date: 26/12/2014, Time:15:45-17:15**

Sl.	Paper Id	Paper Title	Author Name	Time
1	WRE-01	Study on Social and Environmental Impact and Adaptation Techniques to Flood in Patharghata Upazilla, Barguna, Bangladesh	Md. Hamidul Islam, Md. Mahmudul Hasan, Ruma Khanam, Md. Saiful Isalm & Md. Shafiqul Islam	15:45-15:58
2	WRE-41	Bangladesh Water Development Board: A Bank of Hydrological Data, Essential for Planning and Design in Water Sector	Mohammad Mahtab Hossain, Anwar Zahid	15:58-16:11
3	WRE-51	A Study on Morphological Change of Meghna River Due To Climate Change By Using Gis Map Analysis	S. Hossain, I. Jahan, S. A. Yeham	16:11-16:24
4	WRE-63	Supply Characteristics and Allocation of Water Demand for A Densely Populated Urban Area of Bangladesh	S.A. Sayeed, S. Hossain & N. Sharmin	16:24-16:37
5	WRE-39	Analysis of River Bank Erosion and Deposition of Karnafuli River in Chittagong, Bangladesh using Remote Sensing and GIS Approach	Kutub Uddin Chisty, Md. Ashraful Islam & Md. Shahjalal Misuk	16:37-16:50
6	WRE-62	Two Dimensional Mathematical Modelling to Support Planning and Design of the Proposed Ganges Barrage In Bangladesh	F. Noor, T. Afrin, M. Musfequzzaman & S. Jahan	16:50-17:03
7	SEM-29	Impact of Climate Change on Potential Evapotranspiration (PET) in Recent Decades Over Bangladesh	Mohammad Alfi Hasan, AKM Saiful Islam and S.M. Bokhtiar	17:03-17:15

WRE- Water Resources Engineering (Session-2), Venue: Room No.1222 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Hazrat Ali, Professor, Department of Civil Engineering, CUET****Date: 27/12/2014, Time:9:15-10:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	WRE-02	Hydrological Modeling for the Semi Ungauged Brahmaputra River Basin using Swat Model	S. Paul, A.S. Islam, M. A. Hasan, G. M.T. Islam & S. K. Bala	9:15-9:30
2	WRE-13	A Stream Network Approach for Hydrological Study of A Catchment	Ratul Das	9:30-9:45
3	WRE-21	Evaluation of Climate Change Scenarios of Upper Meghna River Basin using Hydrologic Modeling System (HEC-HMS)	M. M. Ali, A. Narzis & S. Haque	9:45-10:00
4	WRE-61	Prediction of Water Logging in Chittagong City Using Hydrological Model	S. A. Mohit, M. A. H. Chowdhury & A. Akter	10:00-10:15
5	WRE-55	Changes of Rainfall in The Future Over Bangladesh Simulated By A High Resolution Regional Climate Model Considering The RCP Scenarios	Mohammad Alfi Hasan ,Supria Paul, A.K.M. Saiful Islam, G.M.Tarekul Islam, Sujit Kumar Bala, Mutasim Billah, Md. Mustafizur Rahman, Md. Golam Rabbani Fahad & Muha Abdullah Al Pavel	10:15-10:30

WRE- Water Resources Engineering (Session-3), Venue: Room No.1222 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Sudip Kumar Pal, Associate Professor, Department of Civil Engineering, CUET****Date: 27/12/2014, Time: 12:15-13:45**

Sl.	Paper Id	Paper Title	Author Name	Time
1	WRE-05	Application of Mathematical Model for Dredging Response in Idealized Test Channels	M. Musfequzzaman, F. Noor & M. A.Matin	12:15-12:30
2	WRE-36	Application of 1D Model Towards Establishing Flow Patterns for Southwest Coastal Regions of Bangladesh	M. M. Rahman, M. Billah, A.K.M. S. Islam, S.Paul, M. A. Hasan, G.M. T. Islam, S. K. Bala, and M. A. A.Pavel	12:30-12:45
3	WRE-48	One Dimensional Hydrodynamic Modeling of the Jamuna River Flow	M. M. Rahman, S. R. Bhuiyan	12:45-13:00
4	WRE-65	Numerical Approaches in Solving 1D Flow Interactions Between Sea and Inland Water	M. Salauddin, R.M.R.M. Jayathilaka, C.A. Rey Velasco & I. Popescu	13:00-13:15
5	WRE-10	Estimation of Dominant Discharge in the Gumti River	M. Ahammad & M. Musfequzzaman	13:15-13:30
6	WRE-08	Study on the Effectiveness of Bio-Shield Along Kuakata Beach of Bangladesh in Reducing the Storm Surge Energy using Bob Model	Md. Arifur Rahman, Md. Mostafa Ali & Md. Ataur Rahman	13:30-13:45

WRE- Water Resources Engineering (Session-4), Venue: Room No.1222 (1st Floor, Civil Engg. Building)

Session Chair: Dr. Md. Hazrat Ali, Professor, Department of Civil Engineering, CUET

Date: 27/12/2014, Time: 15:45-17:15

Sl.	Paper Id	Paper Title	Author Name	Time
1	WRE-47	An Investigation on the Causes of Flooding in Sirajganj Town using 2D Hydrodynamic Model	M.Z.Hasan, M.R.Karim & M.M.Hossain	15:45-16:00
2	WRE-11	Non-Revenue Waters Prediction For Khulshi Area In Chittagong City	Md. Apel Mahmud & Aysha Akter	16:00-16:15
3	WRE-22	Development of A Design Tool for Sizing Storage Tank of Rainwater Harvesting System In Coastal Areas of Bangladesh Under Future Climatic Scenario	M.M. Islam, S. Afrin, R. Jadid & M.M. Rahman	16:15-16:30
4	WRE-45	Flow Measurement of Hydraulic Open Channel With Laser-LDR Flow Meter	Liton Chandra & Md.Shamsul Alam	16:30-16:45
5	WRE-42	Flood Hazard Mapping of Various Land Types In A Riverine Flood Prone Area for Different Flood Magnitudes	Sadequr Rahman Bhuiyan & G.M. Tarekul Islam	16:45-17:00
6	SEM-28	A Case Study On Water Logging Problems In An Urban Area Of Bangladesh And Probable Analytical Solutions	N.F.Anisha & S. Hossain	17:00-17:15

WRE- Water Resources Engineering (Session-5), Venue: Room No.1222 (1st Floor, Civil Engg. Building)**Session Chair: Dr. Md. Hazrat Ali, Professor, Department of Civil Engineering, CUET****Date: 28/12/2014, Time: 9:00-10:30**

Sl.	Paper Id	Paper Title	Author Name	Time
1	WRE-29	Study on Severity of Ground Water Quality as Well as Alternative Sources of Water at Some Selected Areas of Comilla District	M. N. A. Siddique, B. M. G. Kibria & M. R. Amin	9:00-9:18
2	WRE-30	Bacteriological Contamination of Drinking Water In Different Seasons In Dhaka City	M. G. Kibria, M. S. Alam, M. N. Amin & M. R. Amin	9:18-9:36
3	WRE-59	Engineering Features of Ganga Barrage Project And Its Command Area	M. A. Matin, M. M. Islam, A. Siddique & M. M. Islam	9:36-9:52
4	WRE-37	Sensitivity Analysis of Different Local Scour Parameters at Bridge Site	A. Reza & M. Ahammad	9:52-10:10
5	WRE-44	Shelter Friendly Embankment to Save Flood Affected People for Long Time Flood Management in Bangladesh	I. Hasan, S. Hossain, N. Arju & M. S. Islam	10:10-10:30