

5th International Conference on Environmental Aspects of Bangladesh
2nd International Conference on Green Energy and Technology
<http://benjapan.org/ICEAB> <http://cennser.org/ICGET>

FINAL PROGRAM

5 ~ 6 September 2014

PROGRAM LAYOUT AT A GLANCE

DAY-01 5 September

Time	Program	
0730~0830	REGISTRATION & Conference Kit Collection	
0845~0900	Inauguration & Welcome Speech	
0900~0940	Keynote Speech – 1 (KS01)	
0940~1020	Keynote Speech – 2 (KS02)	
1020~1040	COFFEE BREAK	
1040~1200	Oral Session – 01 (OS1)	Oral Session – 02 (OS2)
1200~1230	Invited Speech -1 (IS01)	
1230~1300	Invited Speech -2 (IS02)	
1300~1415	LUNCH BREAK	
1415~1520	Oral Session – 03 (OS3)	Oral Session – 04 (OS4)
1520~1600	Keynote Speech – 3 (KS03)	
1600~1620	COFFEE BREAK	
1620~1700	Keynote Speech – 4 (KS04)	
1700~1730	Invited Speech – 3 (IS03)	
1730~1835	Oral Session – 05 (OS5)	Oral Session – 06 (OS6)
1835~1915	BREAK	
1930~2100	Conference Banquet	

DAY-02 6 September

Time	Program	
0800~0900	REGISTRATION & Conference Kit Collection	
0900~1005	Oral Session – 07 (OS7)	Oral Session – 08 (OS8)
1005~1035	Invited Speech – 4 (IS04)	
1035~1105	Invited Speech – 5 (IS05)	
1105~1120	COFFEE BREAK	
1120~1200	Keynote Speech – 5 (KS05)	
1205~1235	Invited Speech – 6 (IS06)	Oral Session – 09 (OS9)
1235~1305	Invited Speech – 7 (IS07)	
1305~1415	LUNCH BREAK	
1415~1520	Oral Session – 10 (OS10)	Oral Session – 11 (OS11)
1520~1625	Oral Session – 12 (OS12)	Oral Session – 13 (OS13)
1625~1640	COFFEE BREAK	
1640~1730	Closing Ceremony	

FINAL PROGRAM

PROGRAM DETAILS

DAY – 01 05 September, 2014 **FRIDAY**

Time 0730~0830		REGISTRATION & Conference Kit collection
Time 0845~0900		INAUGURATION
0845~0900	<i>AAMS Arefin Siddique</i> , Hon'ble Vice-Chancellor, University of Dhaka, Bangladesh <i>Md. Atiqur Rabman Ahad</i> , General Chair, ICEAB, ICGET <i>Hiroynuki Miyake</i> , General Chair, ICEAB, ICGET	
Time 0900~0940		Keynote Speech (KS01)
Title	Emerging role of photovoltaics for sustainably powering underdeveloped, emerging, and developed economies	
Speaker	R Singh	<i>IEEE Fellow, Clemson University, USA</i>
	Session Chair:	Mohammad Rezwana Khan, United International University
Time 0940~1020		Keynote Speech (KS02)
Title	Who is Eating Forests in Teknaf? : Progress of Teknaf Deforestation Project	
Speaker	Masakazu Tani	<i>Kyushu University, Japan</i>
	Session Chair:	Sato Noriko, Kyushu University
Time 1020~1040		COFFEE BREAK
PARALLEL SESSION – OS1 & OS2		
Time 1040~1200		Oral Session - 01 (OS1): Social and agroforestry
	Session Chair:	Masakazu Tani, Kyushu University
1040~1052	ID : E40	Current conditions of social forests in Teknaf and Shilkhali ranges of Bangladesh
1053~1105	ID : E39	Farmers' experiences on problems and prospects of betel leaf cultivation in Teknaf peninsula of Bangladesh
1106~1118	ID : E19	Is betel leaf cultivation widening income disparity in Teknaf?
1119~1131	ID : E57	Analysis of actors' power and livelihood assets in social forest management: the case of the Teknaf Peninsula, Bangladesh
1132~1144	ID : E41	A comparative study of socio economic characteristics between two villages in the Teknaf peninsula
1145~1157	ID : E18	Potentiality of agroforestry species to climate change mitigation through carbon sequestration
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Time 1040~1200		Oral Session - 02 (OS2): Renewable energy & environment-1
	Session Chair:	Santanu Bandyopadhyay, IIT Bombay
1040~1052	ID : G36	Exergy analysis of photovoltaic thermal (PVT) water collectors partially covered by Photovoltaic module connected in series
1053~1105	ID : G46	Performance Analysis of 1.8 kWp Rooftop Photovoltaic System in India
1106~1118	ID : G33	Optimum Source Sizing to Satisfy Time Varying Demand
1119~1131	ID : G55	Hybrid Renewable Energy System for Sandwip in Bangladesh
1132~1144	ID : G12	Resource Recovery Potential from Kitchen Waste
1145~1157	ID : E24	Standardized Precipitation Evapotranspiration Index (SPEI) based Drought Evolution in Bangladesh
Time 1200~1230		Invited Speech (IS01)
	Session Chair:	Shahida Rafique, University of Dhaka
Title	Photovoltaic thermal (PVT) systems and its applications	
Speaker	GN Tiwari	<i>Indian Institute of Technology Delhi, India</i>
Time 1230~1300		Invited Speech (IS02)
Title	Room temperature ionic liquids (RTILs) as a potential "Green" solvent for sparingly soluble drug delivery system	
Speaker	Muhammad Moniruzzaman	<i>Universiti Teknologi PETRONAS, Malaysia</i>

Time 1300~1415		LUNCH BREAK	
PARALLEL SESSION – OS3 & OS4			
Time 1415~1520		Oral Session - 03 (OS3): Abiotic stress & biochemistry	
Session Chair:		M Riazul Islam, University of Dhaka	
1415~1427	ID : E78	Identification and expression profiling of microRNAs and their corresponding targets related to Phytoremediation of heavy metals in Jute (<i>Corchorus olitorius</i> var. O-9897)	
1428~1440	ID : E79	Analysis of expression patterns of genes involved in Abscisic acid biosynthesis pathways in <i>C. olitorius</i> var. O-9897 in comparison with <i>C. olitorius</i> 2015 under salinity stress	
1441~1453	ID : E67	Algicidal activity of the brown seaweed <i>Ecklonia cava</i> against red tide microalgae	
1454~1506	ID : E38	Purification and characterization of phytase from two enteric bacteria isolated from environmental sources	
1507~1519	ID : E09	Comparison of the spectrophotometric and the ion chromatography method for the estimation of hexavalent chromium in organic matrices +	
Time 1415~1520		Oral Session - 04 (OS4): Renewable energy & environment-2	
Session Chair:		Saiful Huque, University of Dhaka	
1415~1427	ID : G25	An investigation on hydro kinetic energy and analyzing its potentiality in Bangladesh	
1428~1440	ID : G22	Numerical study of two and three bladed savonius wind turbine	
1441~1453	ID : G02	Performance evaluation of solar panel and proposed new algorithm of solar tracking system	
1454~1506	ID : G41	Implementing industrial energy efficiency (IEE) in Bangladesh - Lessons learned from the textile and garment industry	
1507~1519	ID : G56	Prospects of Novel CdZnTe Thin Film Solar Cells from Numerical Analysis	
Time 1520~1600		Keynote Speech (KS03)	
Session Chair:		Motaleb Hossain Sarkar, CEGIS, Dhaka	
Title	Urgent task to introduce ESD (Education for Sustainable Development) into Bangladesh ~ through analysis of Japanese experience		
Speaker	Hiroyuki Miyake	<i>The University of Kitakyushu, Japan</i>	
Time 1600~1620		COFFEE BREAK	
Time 1620~1700		Keynote Speech (KS04)	
Session Chair:		Md. Imdadul Hoque, University of Dhaka	
Title	Conditions of profit sharing plantation based on Japanese experiences		
Speaker	Sato Noriko	<i>Kyushu University, Japan</i>	
Time 1700~1730		Invited Speech (IS03)	
Session Chair:		Haseena Khan, University of Dhaka	
Title	Plant adaptation to biotic and abiotic stresses through AMF symbiosis in horticultural plants		
Speaker	Yoichi Matsubara	<i>Gifu University, Japan</i>	
PARALLEL SESSION – OS5 & OS6			
Time 1730~1835		Oral Session - 05 (OS5): Fisheries & aquatic toxicology-1	
Session Chair:		Rumana Tasmin, American Institute of Bangladesh Studies	
1730~1742	ID : E65	Acute toxicity of sumithion and its effects on liver morphology in common carp, <i>Cyprinus carpio</i>	
1743~1755	ID : E52	Water and soil properties of Roktodaha beel, a floodplain of northwest Bangladesh	
1756~1808	ID : E68	Effects of sumithion on hematological parameters in common carp, <i>Cyprinus carpio</i>	

1809~1821	ID : E76	Effects of acute water pH stress on the stress indicators in Zebrafish (<i>Danio rerio</i>)
1822~1834	ID : E21	Ichthyofauna of Sangu river (Chandanaish, Anowara & Banskhalı regions) with notes on their catch composition, Chittagong, Bangladesh
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Time 1730~1835		Oral Session - 06 (OS6): Energy conservation
Session Chair:		Subrata Kumar Aditya, University of Dhaka
1730~1742	ID : G44	Use of green energy instead of IPS to lessen energy crisis in Bangladesh
1743~1755	ID : G15	Hybrid switching low loss solar charge controller-using different switching devices for current carrying path
1756~1808	ID : G34	Characterization of transformer oil for breakdown voltage, transmittance & heat dissipation capability
1809~1821	ID : G11	Nano Solar Grid (NSG): A solution for rural market power crisis
1822~1834	ID : G48	A case study on present scenario of biomass energy in Bangladesh and its future prospect
Time 1930~2100		Conference Banquet (gather in front of the registration desk by 1850 with banquet ticket – non-transferrable ticket – only for those who have tickets)

FINAL PROGRAM

DAY – 02 06 September, 2014 SATURDAY

Time 0800~0845		REGISTRATION & Conference Kit collection
PARALLEL SESSION – OS7 & OS8		
Time 0900~1005		Oral Session - 07 (OS7): Fisheries & aquatic toxicology-2
Session Chair:		Harunur Rashid, Bangladesh Agricultural University
0900~0912	ID : E75	Chronic toxicity of organophosphorous pesticide Quinalphos 25EC and its effects on the morphological alterations in the kidney and livers of Silver barb (<i>Barbonymus gonionotus</i>)
0913~0925	ID : E77	Effect of different salinity exposures on the embryonic development of zebrafish (<i>Danio rerio</i>)
0926~0938	ID : E81	Effects of Sumithion on hematological parameters in stinging catfish <i>Heteropneustes fossilis</i>
0939~0951	ID : E66	Toxicity bioassay of organophosphorous pesticide malathion in common carp, <i>Cyprinus carpio</i>
0952~1004	ID : E82	Gametogenesis in captive stinging catfish (<i>Heteropneustes fossilis</i>) during spawning season
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Time 0900~1005		Oral Session - 08 (OS8): Renewable energy & environment-3
Session Chair:		SM Mostafa Al-Mamun, University of Dhaka
0900~0912	ID : E25	Implication of building attributes to compensatory green: A case study of residential building in Dhaka city
0913~0925	ID : G40	Comparison of narrowband and ultra wideband subject-specific on-body radio channel studies for healthcare applications
0926~0938	ID : G51	E-waste management in Bangladesh
0939~0951	ID : G47	Design and economic analysis of PV-diesel hybrid system for particular section of IUT campus
0952~1004	ID : E35	Possibilities and potentialities of roof top solar PV system within Chittagong export processing zone (CEPZ), Bangladesh
Time 1005~1035		Invited Speech (ISO4)
Session Chair:		Syeda Sultana Razia, BUET
Title	A novel technique for removal of heavy metal and/or metalloid from contaminated soil by phytoremediation combined with an immobilization material	
Speaker	Masahiko Katoh	<i>Gifu University, Japan</i>

Time 1035~1105		Invited Speech (IS05)	
Title	Integrated pest management of vegetable crops: Way to manage environmental safeguard in Bangladesh		
Speaker	Syed Nurul Alam	<i>Bangladesh Agricultural Research Institute, Bangladesh</i>	

Time 1105~1120	COFFEE BREAK
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Time 1120~1200		Keynote Speech (KS05)	
Session Chair:	Sagir Ahmed, University of Dhaka		
Title	Effect of agrochemicals on freshwater algae, daphnia and fish		
Speaker	Yuji Oshima	<i>Kyushu University, Japan</i>	

Time 1205~1235		Invited Speech (IS06)	
Session Chair:	A.F.M. Yusuf Haider, University of Dhaka		
Title	Pinch analysis for green energy system design		
Speaker	Santanu Bandyopadhyay	<i>Indian Institute of Technology Bombay, India</i>	

Time 1235~1305		Invited Speech (IS07)	
Session Chair:	A.F.M. Yusuf Haider, University of Dhaka		
Title	Solar Photovoltaics: Hopes of thin film technologies and beyond		
Speaker	Nowshad Amin	<i>Universiti Kebangsaan Malaysia, Malaysia</i>	

Time 1205~1245		Oral Session – 09 (OS9): Solar energy – BD perspective	
Session Chair:	Muhammad Fouzul K. Khan, North South University		
1205~1217	ID : G20	Design of a Stirling Engine to Generate Green Energy in Rural Areas of Bangladesh	
1218~1230	ID : G24	Optimal Planning of Off-Grid Solar-Wind-Tidal Hybrid Energy System for Sandwip Island of Bangladesh	
1231~1243	ID : G42	A Noble Model for Harvesting Energy Using Piezoelectric Material and Solar Panel: Bangladesh Perspective	
1243~1255	ID : G37	Proper Allocation and Utilization of Spectrum by Using Cognitive Radio Networks: Bangladesh Perspective	

Time 1305~1415	LUNCH BREAK
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PARALLEL SESSION – OS10 & OS11	
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Time 1415~1520		Oral Session - 10 (OS10): Climate change & environment-1	
Session Chair:	Sadiquul Islam, Bangladesh Agricultural University		
1415~1427	ID : E11	Establishing relationships between water quality parameters for the Buriganga River using BOD ₅ and pH as a common parameter	
1428~1440	ID : E06	Soil organic carbon dynamics for different land uses and soil management practices in Mymensingh	
1441~1453	ID : E63	Changes in abundances of insect pests and their enemies over almost two decades and the impact from climate change	
1454~1506	ID : E23	Relationship between suppression of leachability and formation of insoluble phase in Pb contaminated soil with hydroxyapatite on basis of column and batch leaching test	
1507~1519	ID : E03	Impact of change in Himalayan snow covered area on discharge of river Brahmaputra	

Time 1415~1520		Oral Session - 11 (OS11): Green energy & pollution	
Session Chair:	Zahid Hasan Mahmud, University of Dhaka		
1415~1427	ID : G39	Environmental & health effects of nuclear radiation and various aspects of nuclear power plant in Bangladesh	
1428~1440	ID : E20	A study on noise pollution of stone crusher machine at Jaflong, Sylhet	
1441~1453	ID : E29	An analysis of spatial variation of environmental condition of Bangladesh on the basis of accessibility to improved drinking water	
1454~1506	ID : E46	A review on performance of nanofluids in solar collector	
1507~1519	ID : E71	ICT based waste management model for university dormitories	

PARALLEL SESSION – OS12 & OS13

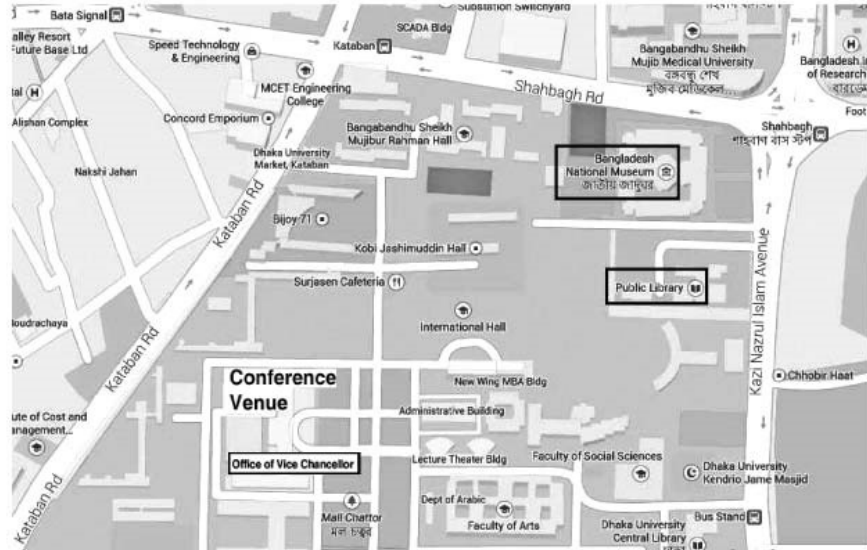
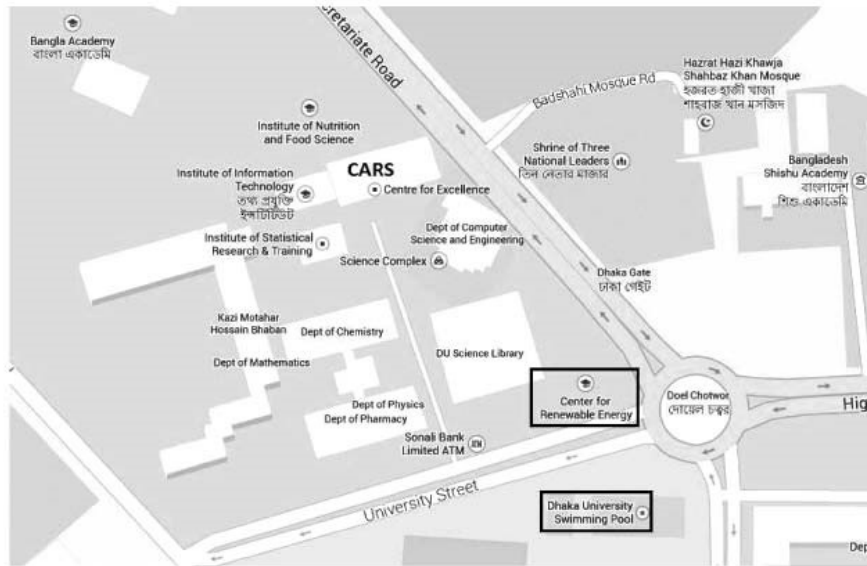
Time 1520~1625		Oral Session - 12 (OS12): Climate change & environment-2
Session Chair:		Badrul Alam, University of Dhaka
1520~1532	ID : E26	Climate Change and Bangladesh: National and international policy options
1533~1545	ID : E49	Deteriorating forestry and the tale of Adivasis in Bangladesh: whom to blame?
1546~1558	ID : E27	An analysis of the temperature change of Dhaka city
1559~1611	ID : E50	Human-Elephant conflicts at Gazini border area, Bangladesh and search for a safe journey of life
1612~1624	ID : E53	A preliminary bacteriological assessment of ground water with reference to coliforms at Jalpaiguri district town of West Bengal, India +
Time 1520~1625		Oral Session - 13 (OS13): Green energy & management
Session Chair:		Muhammad Fayyaz Khan, United International University
1520~1532	ID : E48	Performance measurement of a newly proposed ocean wave energy conversion system
1533~1545	ID : E33	A Review: Comparative studies on different generation solar cells technology
1546~1558	ID : G53	A study of solar home system in Bangladesh: Current status, future prospect and constraints
1559~1611	ID : G54	Application of PV-battery-fossil fuel hybrid power system for remote telecom operation in Bangladesh
1612~1624	ID : G50	Optimal on-grid hybrid renewable energy model for coastal area : Bangladesh perspective

Time 1625~1640**COFFEE BREAK****Time 1645~1730****Closing & Award Ceremony****Evening****CANCELLED** due to another important program of the Honorable VC sir and he will be outside Dhaka. We will miss the program.**DAY – 03 07 September, 2014 SUNDAY****Study Tour** (Details will be informed at the registration desk): Only for Foreigners. Need to confirm.**PRESENTATION DETAIL FOR SCIENTIFIC SESSION**

- [1] **08 min** PPT presentation + **4 min** Question-Answer → total **12 min** per presentation (1st warning after 6 min, Finishing Presentation at 2nd warning, After 3rd warning – total time is over)
- [2] Laptop with English OS, Windows. Please save your file in *.PPT or *.PDF format [not *.PPTX format].
- [3] Visit your Session Room 10 minutes before and contact with your Session Chairs and save your file in the Laptop for presentation.

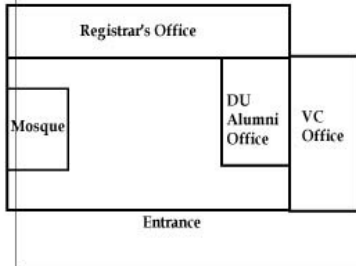
Find the Venue Layout & Map below:

University of Dhaka - MAP

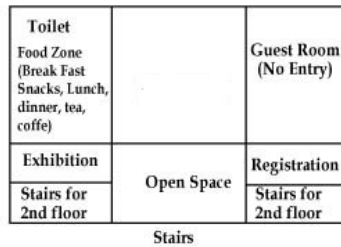


Venue Layout

Senate Building Ground Floor



Senate Building First Floor



Senate Building Second Floor

