

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

05 ~ 06 September 2014

PROGRAM LAYOUT AT A GLANCE

Please check before you attend the conference for any update in the final program. We will email you but sometimes, emails may be missed or go to spam folder.

DAY-01 05 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 06 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 Rahman 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 Rezwon 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:	TBA
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:	TBA

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	Gifu University, Japan

PARALLEL SESSION – OS5 & OS6

Time 1730~1835	Oral Session - 05 (OS5): Fisheries & aquatic toxicology-1	
Session Chair:	Gulshan Ara Latifa, University of Dhaka	
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 & Banskhal regions) with notes on their catch composition, Chittagong, Bangladesh +
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

PROGRAM DETAILS

DAY – 02 06 September, 2014 **SATURDAY**

Time 0800~0845	REGISTRATION & Conference Kit collection
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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 +
Time 0900~1005		Oral Session - 08 (OS8): Renewable energy & environment-3
Session Chair:		TBA
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 (IS04)
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
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:		Fouzul Kabir Khan, IDCOL
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

PARALLEL SESSION – OS10 & OS11

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

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Time 1415~1520		Oral Session - 11 (OS11): Green energy & pollution
Session Chair:		TBA
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

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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 **Special Dinner:** Only for *foreign guests* with Honorable Vice-Chancellor, University of Dhaka, Bangladesh (Foreigners are humbly requested to confirm their kind presences. We will arrange cars for you - before & after the program to reach your hotels. Details @RegistrationDesk.)

DAY – 03 **07 September, 2014** **SUNDAY**

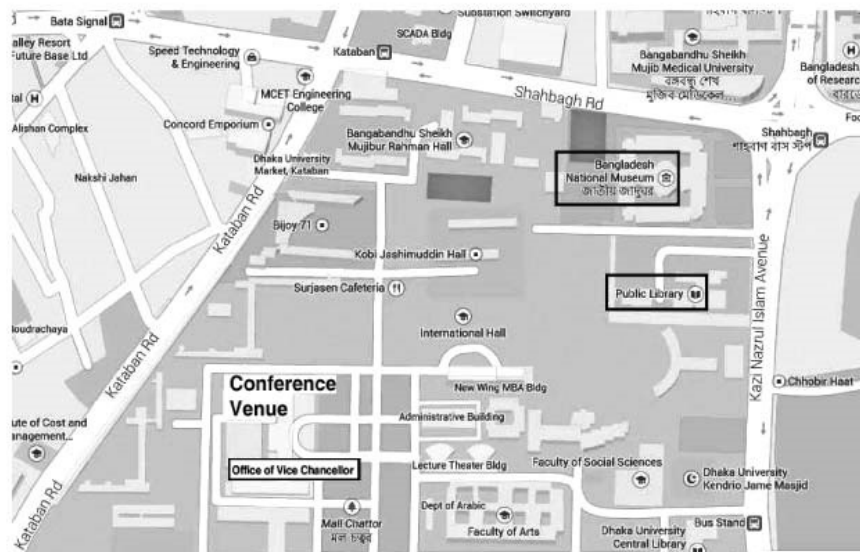
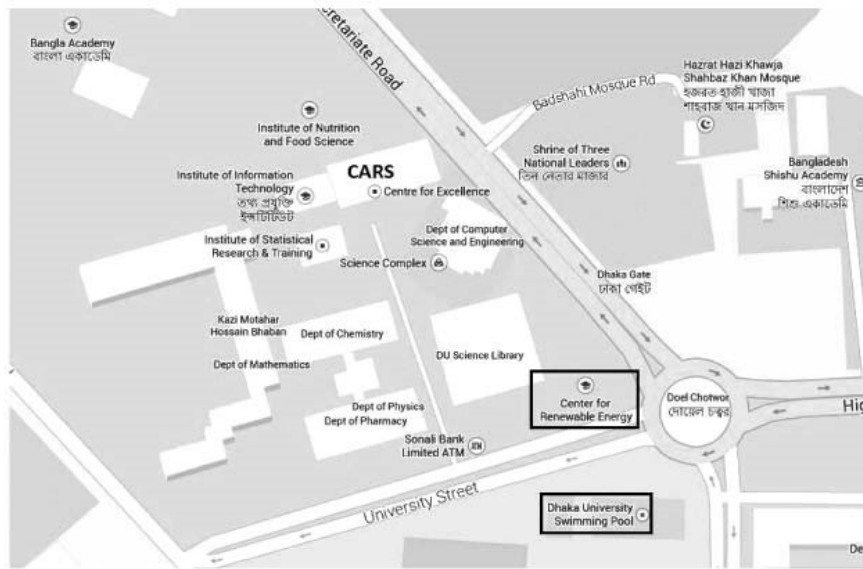
Study Tour (Details will be informed at the registration desk)

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.

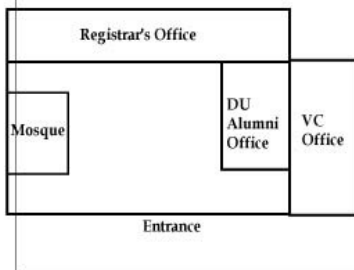
Find the Venue Layout & Map below:

University of Dhaka - MAP

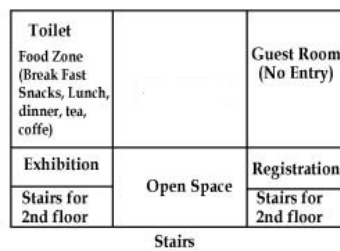


Venue Layout

Senate Building Ground Floor



Senate Building First Floor



Senate Building Second Floor

