

Tentative Programme Global Conference on Energy and Sustainable Development (GCESD2015) 24-26 February 2015
Coventry University Technology Park, Puma Way, Techno Centre , Coventry, CV1 2TT , United Kingdom

Registration		09:00 – 10:00 AM	Reception
Inauguration-Welcome		10:00 AM	CC 1.3
Talks		10:00 – 12:30 PM	CC 1.3
People-centred and ICT based building-energy monitoring and management	Prof. Li Shao	10:00 – 10:20 AM	CC 1.3
Exergetic Review on Thermal Performance of Window Systems	Prof. Masanori Shukuya	10:20 – 10:50 AM	CC 1.3
The role of the building envelope / fabric in delivering the zero carbon building	Mr. Daniel Pillai	10:50 – 11:20 AM	CC 1.3
Standalone photovoltaic systems for water pumping and electricity in rural areas of Nigeria and Ghana makers	Dr. Andrew Wright	11:20 – 11:50 PM	CC 1.3
How can innovative technologies make a difference in building retrofitting?	Mr. Fernando Centeno	11:50 – 12:20 PM	CC 1.3
Questions		12:20 – 12:30 PM	
Lunch		12:30 – 13:30 PM	Restaurant/cafeteria
Technical Session 1 (13:30 – 15:00 PM)	Session Chair: Masanori Shukuya		
Title	Presenter	Time	Room Number
Strategies for sustainable and efficient energy consumption in a rehabilitation clinic in the south of Spain	Mariano Sidrach-de-Cardona	13:30 – 13:50 PM	CC 1.4
Reducing Energy and Water Consumption in Government Buildings in Kuwait	Hassan Albahrani	13:50 – 14:10 PM	CC 1.4
Product Renovation and shared ownership: sustainable routes to satisfying the World's growing demand for goods	John G Rogers	14:10 – 14:30 PM	CC 1.4
Estimation of Energy Utilization Index for Government Building Type in Kuwait	H. Al-Taqi	14:30 – 14:50 PM	CC 1.4
Questions and discussions		14:50 – 15:00 PM	CC 1.4
Tea Break		15:00 – 15:30 PM	
Technical Session 2 (15:30 – 17:00 PM)	Session Chair: D. Sinnott		
Developing a Sustainable Electricity Generation Mix for the UK's 2050 Future	H.Sithole	15:30 – 15:50 PM	CC 1.4
Energy saving with Green building technology	K. Al-Mousa, Haytham Karam	15:50 – 16:10 PM	CC 1.4
Using Choice Experiments to Assess Environmental Impacts of Dams in Portugal	L. M. Costa Pinto	16:10 – 16:30 PM	CC 1.4

The means, motive and opportunity for using energy smart meters in organisational contexts; a retail case study.	S. Christina	16:30 – 16:50 PM	CC 1.4
Questions and discussions		16:50 – 17:00 PM	
Day 2			
Technical Session 3 (09:00 – 10:30 AM)	Session Chair: Y. Al-Douri		
Title	Presenter	Time	Room Number
Morphology and optical dependence of carbon nanomaterials-based hybrid organic photovoltaic cells	B. Aïssa	09:00 – 09:20 AM	CC 1.4
Heterojunction CuSe – CdSe and CuSe- ZnxCd1-xSe Solar Cells	Al. Bassam	09:20 – 09:40 AM	CC 1.4
Optical properties of kesterite phase Cu ₂ Zn _{0.8} Cd _{0.2} SnS ₄ quaternary alloy nanostructures	Y. Al-Douri	09:40 – 10:00 AM	CC 1.4
Energy Efficient Ceramic Electrolyte fuel cell system with enhanced Power Density for Intermediate Temperature – Solid Oxide Fuel Cell application	Rohit Gupta	10:00 – 10:20 AM	CC 1.4
Questions and discussions		10:20 – 10:30 AM	CC 1.4
Tea Break		10:30 – 11:00 AM	Restaurant/cafeteria
Technical Session 4 (11:00 – 12:30 AM)	Session Chair: Mariano Sidrach-de-Cardona		
Effects of skylights refurbishment on the indoor hygrothermal environment of a gallery space in a historical building of cultural significance	F. Wang	11:00 – 11:20 PM	CC 1.4
Post Occupancy Evaluation of a low rise social housing complex following energy retrofit and refurbishment project in Ireland	D. Sinnott	11:20 – 11:40 PM	CC 1.4
Thermo economic and exergy analysis of a compression-absorption refrigeration system assisted by geothermal energy	H. salarian	11:40 – 12:00 PM	CC 1.4
Financial analysis of residential solar pv systems considering SREC in the united states	H. Ji Yoo	12:00 – 12:20 PM	CC 1.4
Questions and discussions		12:20 – 12:30 PM	CC 1.4
Lunch	12:30 – 13:30 PM		Restaurant/cafeteria
Technical Session 5 (13:30 – 15:00 PM)	Session Chair: F Wang		
CO Tolerance of Pt ₃ Sn(111) Catalyst in Ethanol Decomposition	Lawrence Wu	13:30 – 13:50 PM	CC 1.4
Numerical Investigation of a Methanol Bluff-Body Flame Using Variants of RANS Turbulence Models with Conditional Moment Closure Model	S. Sreedhara	13:50 – 14:10 PM	CC 1.4
Comparative Studies on Methane Upgradation of Biogas by Removing of	M.R. AL Mamun	14:10 – 14:30 PM	CC 1.4

Contaminants using Combined Chemical Method			
Thermal Efficiency improvement of Biomass for Electricity Generation by using Information Technology and Numerical Methods	R.H. Basha	14:30 – 14:50 PM	CC 1.4
Questions and discussions		14:50 – 15:00 PM	CC 1.4
Tea Break	15:00 – 15:30 PM		
Technical Session 6 (15:30 – 17:00 AM)	Session Chair: Lawrence Wu		
Speed Control Of Synchronous Machine By Changing Duty Cycle Of DC/DC Buck Converter	R. Al Badwawi	15:30 – 15:50 PM	CC 1.4
CFD predictions of Swirl burner aerodynamics with variable outlet configurations	H. Baej	15:50 – 16:10 PM	CC 1.4
Assessment of a/c share in the national peak power demand and annual energy consumption for Kuwait	R. Al-Foraih	16:10 – 16:30 PM	CC 1.4
Synthesis of Cu ₂ Zn _{1-x} Cd _x SnS ₄ pentary alloy nanostructures solar cells through chemical approach	Y. Al-Douri	16:30 – 16:50 PM	CC 1.4
Questions and discussions		16:50 – 17:00 PM	CC 1.4
Conference Dinner	18:00 – Onwards		
Day 3			
Technical Session 7 (09:00 – 10:30 AM)	Session Chair: Anil Kumar		
Effects of renovation solution on energy saving and indoor air quality in a historic building	S. Ganguly	09:00 – 09:20 AM	SC GF
Characterizing the convective heat exchange with plastic shading nets under natural arid conditions	Ahmed Abdel-Ghany	09:20 – 09:40 AM	SC GF
Enhancing Energy Efficiency through VFDs in Cooling Towers for Hot Aride	Y. Al-Hadban	09:40 – 10:00 AM	SC GF
India's solar power scenario in global context	Satish Kumar Jain	10:00 – 10:20 AM	SC GF
Questions and discussions		10:20 – 10:30 AM	SC GF
Tea Break	10:30 – 11:00 AM		
Technical Session 8	Session Chair: Ahmed Abdel-Ghany		
Application of LEED Certification Standards in KAIA Development in the Kingdom Of Saudi Arabia	Sahl Waheeb	11:00 – 11:20 AM	SC GF
Experimental Investigation and Comparison of Internal Heat Transfer coefficients of Single Slope Conventional and Hybrid Solar Stills	Anil Kumar	11:20 – 11:40 PM	SC GF
Performance enhancement of PV cells through micro-channel cooling	Muzaffar Ali	11:40 – 12:00 PM	SC GF

Solar Drying: Indian perspective		Om Prakash	12:00 – 12:20 PM	SC GF
Questions and discussions			12:20 – 12:30 PM	SC GF
Lunch	12:30 – 13:30 PM			
Technical Session 9	13:30 – 15:00 PM	Session Chair: Anil Kumar		
Life cycle assessment of agricultural residues utilization for biogas deployment		Suzanne Alsamaq	13:30 – 13:50 PM	SC GF
Exhaust pollutants of particulate mass, concentration, size distribution and elemental composition for biodiesel fueled diesel engine		A. M. Ashraful	13:50 – 14:10 PM	SC GF
Experimental investigation on single slope solar still during monsoon and post monsoon season		Bhupendra Gupta	14:10 – 14:30 PM	SC GF
Investigating the ability of perennial range plant species to mitigate climate change in Greece		Dr. Ioannis Pappas	14:30 – 14:50 PM	SC GF
Questions and discussions			14:50 – 15:00 PM	SC GF
Technical Session 10	15:00 – 16:10 PM	Session Chair: Om Prakash		
Experiment of an new oscillating water column device of wave energy converter		Chia-Ying Chang	15:00 – 15:20 PM	SC GF
Hydroelectricity introduction through hydrogen as fuel for long-distance passenger buses: a sustainable alternative for Paraguay		Gustavo Riveros	15:20 – 15:40 PM	SC GF
A grid synchronization method based on adaptive notch filter for spv system with modified MPPT		M. Rizwan	15:40 – 16:00 PM	SC GF
Questions and discussions			16:00 – 16:10 PM	SC GF
Posters/Drinks/Vote of thanks	16:10 – 17:00 PM			Restaurant/cafeteria
Earth Work Equipment Combination for CO ₂ Reduction based on Real-time Measurement		Lee Ji Su	16:00 – 17:00 PM	SC GF
Evaluation of Monomeric Sugar Yield from Various Grasses Grown in Thailand as Biofuel Feedstock by Two-Stage Pretreatment Process		Tidarat Komalwanich	16:00 – 17:00 PM	SC GF
Energy Efficient Ceramic Electrolyte fuel cell system with enhanced Power Density for Intermediate Temperature – Solid Oxide Fuel Cell application		Rohit Gupta	16:00 – 17:00 PM	SC GF
Annual soiling conditions of CSIRO solar tower site by periodically measuring the specular reflectance of the solar mirror samples		Minghuan Guo	16:00 – 17:00 PM	SC GF

Note for the Session Chair

Every presentation comprises 20 minutes including presenter's introduction from Session Chair

Session Chair Responsibility:

- Introduce the presenters to audience
- To run and finish session on time and give reminder to presenter 5 minutes and 2 minutes during their time slot
- Invite all the presenters to panel for 10 minutes questions/discussion at the end of all presentations.

Note for the Poster

Delegates presenting the poster, please bring the printed poster of A1 size. Please deposit them at reception in SC G building on 26 Feb in morning between 9-10 am

CC- Conference Centre

SC- Simulation centre

Parking

Free parking will be available, please ask at registration desk showing your conference badge for validation of parking ticket.