

Paper no.	Session / Title	Main Author
Session A : Smart Sustainable Systems		
<i>Thurs 30 April 11.00-13.00</i>		
seb09-026	Smart monitoring of wind turbines using neural networks	Dr Jianping Xiang (Centre for Renewable Energy Systems Technology (CREST),)
seb09-015	Smart Buildings: Intelligent Software Agents.	Prof.ir. Wim Zeiler (Technische Universiteit Eindhoven)
seb09-036	Solar energy harvesting for ZigBee electronics	Mr Xin Lu (Department of Computer Science, Loughborough University)
seb09-037	Multi-Agent Systems Technology for Composite Decision Making in Complex Systems	Dr. Antonio Fernández-Caballero (University of Castilla-La Mancha)
seb09-061	Network-Enabled Intelligent Photovoltaic Arrays	Mr Colin Mallett (Trusted Renewables Ltd)
seb09-016	Decentralized sustainable comfort systems with centralized infrastructures connected by Flexergy	Prof.ir. Wim Zeiler (Technische Universiteit Eindhoven)
Session B : Solar and Wind Energy		
<i>Thurs 30 April 11.00-13.00</i>		
seb09-003	An innovative building-integrated solar-air collector: presentation and first results	Dr Gilles NOTTON (University of Corsica - UMR CNRS 6134)
seb09-010	Development and Strategies of Building Integrated Wind Turbines in China	Professor Hong Jin (School of Architecture, Harbin Institute of Technology)
seb09-022	Interpolating the Missing Data of Electric Power Generated from PV System	Dr. Kun-Jung Hsu (Leader University)
seb09-049	Development of Short-Term Prediction System for Wind Power Generation Based on Multiple Observation Points	Mr. Muhammad Khalid (The University of New South Wales, UNSW, Sydney)
seb09-055	Electricity supply to a remote village using grid-connected wind generators	Professor Roger Morgan (Liverpool John Moores University)
seb09-064	The role of photovoltaics in reducing carbon emissions in domestic properties	Dr. Fin (J) O'Flaherty
seb09-058	Armature and Field Controlled DC Motor based Wind Turbine Emulation for Wind Energy Conversion Systems Operating Over a Wide Range of Wind Velocity	Mr. Chetan Patki (Indian Institute of Technology- Bombay, India)
Session C : Technologies for Sustainable Buildings		
<i>Thurs 30 April 15.30-17.30</i>		
seb09-006	Utilization of Fly-ash Products from Biomass Co-combustion and Zeolite 13X for Building Energy Conservations	Dr C.Y.H Chao (Dept. of Mech. Engg., The Hong Kong Univ. of Sci. & Technol.)
seb09-027	The Effect of Metal Ions on Calcium Carbonate Precipitation and Scale Formation	Dr Jitka MacAdam (Cranfield University)
seb09-045	Lateral Stability of Prefabricated Straw Bale Housing	Mr Christopher Gross (The University of Bath)
seb09-046	Monitoring of the moisture content of straw bale walls	Dr Mike Lawrence (BRE Centre for Innovative Materials)
seb09-060	An Evaluation of Environmental and Economic Performance of Sustainable Building Technologies for Apartment Houses in Korea	Professor Eon Rhee (School of Architecture, Chung-Ang University)
seb09-067	Managing change in domestic renewable energy schemes	Mr. Craig Jackson

Session D : Clean and Renewable Energy Technology*Thurs 30 April 15.30-17.30*

seb09-007	Optimum energy management of a photovoltaic water pumping system	Ph. D Souhir Sallem (CMERP)
seb09-008	Diagnosis by Fault Signature Analysis Applied to Wind Energy	M. ouadie bennouna (IRSEEM)
seb09-009	A novel self-organizing neural technique for wind speed mapping	Prof. Giansalvo Cirrincione (Laboratoire MIS, Université de Picardie Jules Verne)
seb09-023	Integral fuzzy control for photovoltaic power systems	Prof. El Hajjaji Ahmed (MIS-UPJV)
seb09-025	MACSyME: Modelling, analysis and Control for Systems with Multiple Energy sources	Prof Nacer Msirdi (LSIS UMR CNRS 6168)
seb09-024	Structural Analysis for Fault detection and Isolation in fuel cell stack system	Mr. quan Yang (LAGIS -HEI)

Session E : Engineering Intelligence and Energy Technologies*Fri 1 May 11.00-13.00*

seb09-011	Efficiency analysis of crossflow plate heat exchanger for indirect evaporative cooling	xuelai liu liu (Shandong Jianzhu University)
seb09-032	Thermal Work Condition Analysis of Teaching Building Heating Network in Winter Vacation with User Regulation	Doctor Li Shuang (Harbin Institute of Technology)
seb09-034	Integrated Building Management Systems for Sustainable Technologies: Design aspiration and operational shortcomin	Dr Abbas Elmualim (ICRC, School of Construction Management and Engineering)
seb09-039	Smart Use of Knowledge: A Case Study of Constructing Decisional DNA on Renewable Energy.	Dr. Cesar Sanin (The University of Newcastle)
seb09-044	A study of Photophysical properties of end Polymeric material	Dr. Jahangir Payamara (Shahed University Phys. Dept.)
seb09-048	Renewable Energy Source Emulator	Dr. Aparna Viswanath (University of Newcastle)

Session F : Building Energy Efficiency and Performance*Fri 1 May 11.00-13.00*

seb09-017	Geothermal Active Building concept	Prof.ir. Wim Zeiler (Technische Universiteit Eindhoven)
seb09-021	Heating supply in Kazakhstan: Concept - Simulation ? Comparison	Dipl.-Ing. Gulzhan Tleukenova (TU Braunschweig, Germany)
seb09-033	Towards a More Holistic and Complementary Approach to Modelling Energy Consumption in Buildings	Dr Stephen Pullen (University of South Australia)
seb09-042	Energy Consumption in the Greek Hotel Sector	MISS EVA MALEVITI (CENTRE FOR ENVIRONMENTAL STRATEGY, UNIVERSITY OF SURREY)
seb09-050	Investigating the applicability of different thermal comfort models in Kuwait classrooms operated in hybrid air-conditioning mode	Eng. Khaled Al-Rashidi (Department of Civil and Building Engineering, Loughborough)
seb09-057	Water and energy efficient showers	Dr David Phipps (Liverpool John Moores University)

Session G : Novel Techniques for Energy Efficiency*Fri 1 May 16.00-17.30*

seb09-012	Research of Solar-Kang Heating Systems Design for Rural House in Cold Areas of China	lecturer Chunyan Zhou (School of Architecture, Harbin Institute of Technology)
seb09-013	Research on energy-efficient exterior walls of rural housing in Northern China	Professor Hong Jin (School of Architecture, Harbin Institute of Technology)
seb09-014	Family Thermal Performance Analysis Based on Household Metering	Professor Hua Zhao (Harbin Institute of Technology)
seb09-018	The Investigation and Analysis of Indoor Temperature Desire of Building Users in Harbin	Professor Hua Zhao (Harbin Institute of Technology)
seb09-051	Simulated performance of Earthtube for cooling of office buildings in Southeast of UK	Mr Abdullahi Ahmed (School of Environment and Technology, University of Brighton)
seb09-004	Study on a novel hybrid desiccant dehumidification and air conditioning system	Dr. Sumathy Krishnan (North Dakota State University)