### Session A : Smart Sustainable Systems
**Thurs 30 April 11.00-13.00**

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<td>seb09-036</td>
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<td>seb09-037</td>
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<td>Development of Short-Term Prediction System for Wind Power Generation Based on Multiple Observation Points</td>
<td>Mr. Muhammad Khalid (The University of New South Wales, UNSW, Sydney)</td>
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<td>The role of photovoltaics in reducing carbon emissions in domestic properties</td>
<td>Dr. Fin (J) O'Flaherty</td>
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- 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  
  Picardie Jules Verne
- seb09-023 Integral fuzzy control for photovoltaic power systems  
  Prof. El Hajjaji Ahmed (MIS-UPJV)
- seb09-024 MACSyME: Modelling, analysis and Control for Systems with Multiple Energy sources  
  Prof Nacer Msirdi (LSIS UMR CNRS 6188)
- seb09-025 Structural Analysis for Fault detection and Isolation in fuel cell stack system  
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- 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 Elmutalim (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)

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- 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)

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  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)