

# SEB'09

International Conference on  
Sustainability in Energy and Buildings '09

## Invited Sessions

**Title of Session: Modelling, monitoring and evaluation of energy in buildings**

**Name of Chair:** Dr Paul Rowley, Senior Lecturer, Centre for Renewable Energy Systems Technology, Loughborough University

**Description:**

Predictive modelling of energy performance can be a powerful tool for the design of future improved energy services, especially when coupled with post-occupancy monitoring and evaluation.

This session explores recent advances in building energy modelling, and the role of post-occupancy data monitoring and analysis in improving our holistic understanding of how people, the building fabric and services and the external environment together affect energy performance in the real world.

This session complements parallel sessions at SEB 09 covering intelligent buildings, integrated renewable energy technologies and energy services control.

Papers are invited that describe the development and application of computer-based energy modelling and/or design tool development work, along with data monitoring and analysis (including aspects of monitoring protocols and telemetry). Work that describes the validation of modelling via post occupancy evaluation is especially welcome.

**Website URL (if any):**

**Email & Contact Details:**

[P.N.Rowley@lboro.ac.uk](mailto:P.N.Rowley@lboro.ac.uk); Tel: 01509 635345