

Webinar **1**



25th January 2011
**Embedding Simplified Post Occupancy
Evaluation within the Design Process**

PAGE \ PARK
University of
Strathclyde
Engineering



add to my calendar



attend online



attend in person

Date: 25th January 2011

Time: 12:30 - 14:00 (GMT) - Lunch from 12:00

Venue: Seminar Room K505, Buchanan House, 58 Port Dundas Road, Glasgow. G4 0HG

Summary:

This research project involved the team looking at Post Occupancy Evaluation (POE) analysis from a number of perspectives. The team studied information relating to existing POE methods, current energy best practice benchmarks and compared appropriate figures against Page & Park attainments. They also developed a simple questionnaire that clients would regard as quick to fill in and user-friendly.

It was decided that the most effective way to deliver a simplified POE process, to complement the existing work practices of Page & Park, was to design and trial a software tool, named POET (Post Occupancy Evaluation Tool). This tool was developed over the period of the project and underwent a number of revisions to deal with issues relating to compatibility with Page & Park hardware, work practices and application expectations.

A key deliverable of the project was to use POE as a method of gauging any difference between design intent and use in practice, so that information could be fed back into future Page & Park projects. It was also crucial that the architects would be able to compare designs with best practice guidelines. The benchmark figures chosen for this project were extracted from CIBSE Benchmarks TM46 (2008).

Speakers:

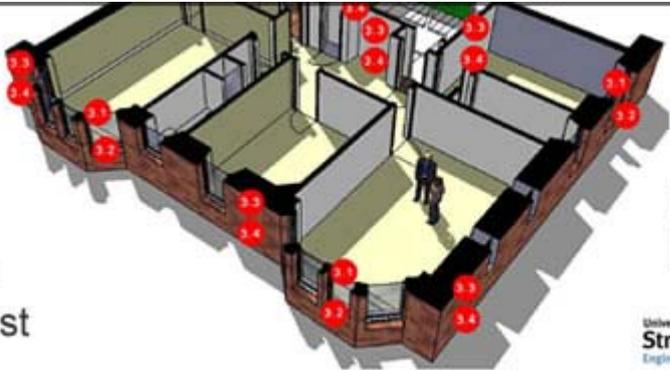
Prof. Joe Clarke, Energy Systems Research Unit, University of Strathclyde Glasgow

Ms Fiona Bradley, Department of Architecture, University of Strathclyde Glasgow

Ms Karen Nugent, Page & Park Architects

Webinar 2

8th February 2011
Tenement Flat Carbon Reduction Shopping List






Date: 8th February 2011
Time: 12:30 - 14:00 (GMT) - Lunch from 12:00
Venue: Seminar Room K505, Buchanan House, 58 Port Dundas Road, Glasgow. G4 0HG

Summary:

The study aimed to provide typical Glasgow sandstone tenement flat dwellers with a guide as to the most suitable carbon reduction measures to apply to their dwelling. In particular, it was intended to provide a cost per tonne of carbon dioxide saved comparison to demonstrate value for money for various retrofit options.

A particular tenement flat was selected and surveyed. The dimensions and conditions were passed to Energy Systems Research Unit at the University of Strathclyde Glasgow who prepared a dynamic thermal model. Various retrofit options were agreed and applied to the model and the outcomes recorded in terms of tonnes of carbon dioxide emissions saved.

Doig and Smith (Cost Consultants) prepared costs for all the retrofit options allowing the cost-per-tonne saved to be calculated.

Speakers:

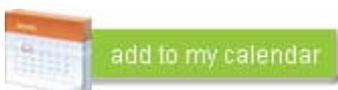
Mr Douglas Jack, Holmes Partnership
 Dr Jeremy Cockroft, Energy Systems Research Unit, University of Strathclyde Glasgow
 Dr Jon Hand, Energy Systems Research Unit, University of Strathclyde Glasgow



Webinar 3

15th February 2011
Novel Solar Thermal Collector Design



Date: 25th January 2011
Time: 12:30 - 14:00 (GMT) - Lunch from 12:00
Venue: Seminar Room K505, Buchanan House, 58 Port Dundas Road, Glasgow. G4 0HG

Summary:

The primary objective of the project was to improve the basic design of the AES solar thermal collector; to make it more efficient, lighter and more robust and generally a more fit for purpose and greener product. The intention is to provide an improved collector to market at a competitive price relative to the current one.

Taking into account that the solar gains and heat losses are linked to conditions of operation and design of the collector, it was necessary to focus on analyzing the mechanism of energy gains and losses from the collector. A total of four sample units, each with a surface area of 1175 x 1175 mm, were manufactured by AES and supplied to Heriot Watt University for thermal performance testing. The data measured under laboratory conditions at Heriot Watt provides all the necessary parameters to analyse the performance of the two sample solar collectors.

Speakers:

Prof. Sue Roaf, Heriot Watt University
Mr Campbell MacLennan, AES Ltd

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Please access "[Low Carbon Skills Fund](#)" to see whether your organisation is eligible for a 50% subsidy for the seminar fee.

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The **submission deadline** for applications for feasibility studies and academic consultancy is 14th January 2011.

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- Company logo and a link to website in the event summary that will be published in Innovation Review, our quarterly online magazine available at our website www.cicstart.org.

If the above proposal is of interest to you, please contact Craig.Bishop@gcu.ac.uk or 0141 273 1401.



CIC Start Online is led by Glasgow Caledonian University in collaboration with Edinburgh Napier University, The Glasgow School of Art, Heriot Watt University, The Robert Gordon University, University of Edinburgh and University of Strathclyde Glasgow



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