

MAINSTREAMING POST OCCUPANCY EVALUATION

0900-1715 hours, Tuesday 15th September 2009, The Lighthouse, Mitchell Lane, Glasgow

The purpose of the event is to bring together the leading experts within the UK to explore the origins and growth of Post Occupancy Evaluation (POE) and more importantly the role of POE in contributing towards improved building performance in the future.

POE is rapidly becoming recognised as the vital final step in a construction project - where the lessons learned can be used to improve the performance of the completed building and improve the clients' understanding of their future needs and performance requirements. The education sector leads the way and Scotland is at the forefront of incorporating POE into the mainstream. Recently the Scottish Funding Council made it mandatory for all new further and higher educational establishments to undertake POE on new buildings as part of the funding requirements.

In simple terms, why wouldn't you want to know how your building performs? If you think the answer is obvious isn't it important to get that checked out objectively and make sure this is really the case??

This event is aimed at those who are both new to the subject and are keen to know more, as well as those who already see POE as an opportunity to vastly improve the economic, social and environmental performance of the Scottish built environment.

Cost for attendance: Full fee £60 (£30 unwaged); Reduced fee (SEDA/ RIAS members) £40 / £20 (unwaged); students £15
Sorry no double discounts!

For details, or to book your place at this event, please contact Mary Kelly (SEDA Development Officer) email: mary@segalselfbuild.co.uk
Telephone: 01668 219247.

The number of places is limited and will be allocated on a strictly first come, first served basis. Your place will be confirmed on receipt of payment.

This event is supported by



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Programme

09:00 - 09:30	Registrations and Coffee		
09:30 - 09:35	Welcome and House Keeping	Lori McElroy	
09:35 - 09:40	Event Organisers	SEDA	
09:40 - 09:50	Chairs Introduction	Richard Wakeford	
09:50 - 10:20	Overview of POE	Bill Bordass	
10.20 - 10.50	Funding / Sigma	Fionn Stevenson	
10.50 - 11.10	Coffee		
11:10 - 11.40	Data modeling	Anders Bergström	
11.40 - 12.10	Bennetts Associates Case Studies	Gary Clark	
12.10 - 12.30	Schools Case Studies	Martin Cook	
12:30 - 12:45	The Clients View	Brandon McMaster	
12.45 - 13:00	Q&A	Chair - Richard Wakeford	
13.00 - 14.00	Lunch		
14:00 - 14:30	Developing a standardised methodology for post-occupancy evaluation of recently built housing	Linda Sheridan	
14:30 - 15:15	Bringing POE techniques and results into the mainstream	Bill Bordass	
15:15 - 15:45	The Business Case for POE	Courtney Peyton	
15.45 - 16.00	Coffee (take into workshops)		
16:00 - 16:30	Workshops	Facilitators:	Expert:
	Topics: Data and Analytical Tools	Richard	Bill
	Managing Risk	Courtney	Gary
	Regulation and Legislation	Lori	Martin
16:30 - 17:00	Plenary	Chair - Richard Wakeford	
17:00 - 17:15	Summing up / Call to action	Chair - Richard Wakeford	



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Biographies

Dr Lori McElroy

Director Sust

An Environmental Engineer, Lori McElroy has spent the last 25 years in practice and research on numerous government-funded initiatives that have focused on improving the energy and environmental performance of the built environment through the provision of support and advice to the construction industry and its clients. These projects include the acclaimed DTi-funded Energy Design Advice Scheme, and the Scottish Energy Systems Group funded by the Scottish Executive and ERDF.

Lori now directs the SUST. programme for the Architecture and Place Division of Scottish Government - based at The Lighthouse in Glasgow. She is the immediate Past Chairman of the Chartered Institution of Building Services Engineers (Scottish Region) and a Board Member of Architecture and Design Scotland (A+DS).

Richard Wakeford – Chair

Director General, Rural Futures - working with the Organisation for Economic Co-operation and Development

Until recently Richard was Director General Environment of the Scottish Government, a member of the Government's Strategic Board and specifically responsible for achieving a greener Scotland, through actions across the whole of the Scottish public sector. Alongside that, he was accountable for the delivery of programmes funded by the rural, marine and environment budgets. From 2005 until May 2007 Richard was Head of the Environment and Rural Affairs Department of the Scottish Executive.

Previously he had been Chief Executive of the Countryside Agency, in England, since its creation in 1999. At that time, Richard was also an appointed member of the UK Sustainable Development Commission and a non-executive member of the management board of the Department for Environment, Food and Rural Affairs (Defra). He is also an honorary member of the Royal Town Planning Institute.

Bill Bordass

Founder of the Usable Buildings Trust and Principal of William Bordass Associates

Bill Bordass is a scientist who joined the multi-skilled designers RMJM London in 1970 and developed its building services, energy and environmental consultancy. In 1984 he set up William Bordass Associates, which studies building performance and assists clients with strategy, briefing, project reviews, performance monitoring and troubleshooting. He has been involved in many post-occupancy surveys - including the published Probe series in 1995-2002. He has also been working on building energy certification and benchmarking in the EU, UK and the USA. In 2008 he received CIBSE's first low-carbon pioneer award.

Bill is research and policy adviser to the Usable Buildings Trust (UBT), a UK charity which promotes better buildings through understanding how they actually work, how people get things done, and the relationships between users, management and technologies. UBT encourages post-occupancy evaluation - not as a post-mortem but as life support in closing the feedback loop and helping the industry to do things that really work. He is currently promoting a "new professionalism" in which designers and builders do not walk away at handover but get involved in monitoring and fine-tuning - engaging with both occupants and management - and which includes developing and promoting the 'Soft Landings' process; Bill was co-author of the Framework document published in June 2009 and is now leading a project on applying this to school projects.

Dr. Fionn Stevenson

Reader in Sustainable Design at Oxford Brookes University and Research Co-director for the Architecture Unit in the Oxford Institute of Sustainable Development. Fionn was also a former Chair of the Scottish Ecological Design Association.

Fionn's research and consultancy work focuses on developing sustainable materiality and post-occupancy evaluation to improve building design and performance in the housing and health sectors. She is chair of the Good Homes Alliance Technical Monitoring Committee and uses innovative approaches to evaluate buildings - relating physical performance to human factors. Recent publications include: 'The Sigma Home: towards an authentic evaluation of a prototype building, Proceedings of the 25th Conference on Passive and Low Energy Architecture' (2008); 'Sustainable Housing Design Guide for Scotland' (2007).

Anders Bergström

New Business Development Manager, Pythagoras

Anders Bergström has been working in the area of graphical IT solutions for the property and facilities management industries for more than 25 years. He has a broad range of experience that reaches from software development in the eighties, through sales, marketing, project management to business development. Anders has been working with Pythagoras since the results of a Swedish research project were first commercialised in the early nineties.

Originating as an in house application for Digital Equipment Company, the Pythagoras suit of facilities management software has been continuously developed by a team lead by Anders to become market dominant in Scandinavia. At the heart of Pythagoras lies a proprietary object orientated database with a unique graphical interface, which allows a range of performance criteria to be attributed to dimensioned objects. These can then be viewed and manipulated graphically and numerically. Pythagoras Space Manager v2.59 has been accredited to produce SBEM based EPCs in the UK and Pythagoras will shortly be announcing a new venture based in Scotland

Gary Clark

Associate, Bennetts Associates

Gary Clark is an architect with a passion for creating architecture that is both contemporary and ecological. He joined Bennetts Associates' Edinburgh office in 2006 and is a prominent addition to the firm's environmental expertise.

After studying at Aberdeen and Cambridge Universities, Gary taught ecological design at both Aberdeen University and Edinburgh University. In addition to lecturing, Gary was involved in environmental research projects throughout the mid-nineties. He conducted Adaptive Comfort Research with Oxford Brookes University, and Ventilation Research with the Martin Centre at Cambridge University. Gary frequently presented his work at academic conferences.

In 1998 Gary joined Hopkins Architects in London as a project director and in-house environmental consultant. While at Hopkins he designed The Forum in Norwich – an award-winning, £25 million civic library and multi-media centre - and the LEED Platinum Applied Research and Development for Northern Arizona University. Gary returned to his native Scotland in 2005 to join JM Architects in Glasgow as design director and director in charge of sustainability. During his time with JM Architects he concentrated on sustainable school, office and housing schemes.

Gary collaborates with several universities on the study of post-occupancy carbon emissions from sustainable buildings: most notably as a research consultant to the Carbon Trust 'Tarbase Project' with Heriot Watt University. He is also a registered BREEAM and LEED assessor. Gary's work has been recognised by many awards - including from the Civic Trust and the RIBA.

Martin Cook

Head of Design, BRE

Martin is a chartered architect with thirty years experience of the international property and construction industries. He was a principal architect in private practice, where he was involved in the design of commercial and public buildings, before joining BRE in 1992. He has advocated sustainability in new and existing buildings

since the last energy crisis. He is now regularly commissioned by public and private sector clients to investigate the design quality, building performance and value for money of new and refurbished buildings. He was appointed to the Commission for Architecture and the Built Environment's (CABE) Schools Design Review Panel in 2007; becoming a CABE Enabler in 2009.

Martin is a founder member of the RIBA Sustainable Futures Committee and the Urban Land Institute's (ULI) European Sustainable Development Council. He developed the Design Quality Method (DQM) in 2002, which has been used to conduct post occupancy evaluations on over one hundred buildings. His book, 'The Design Quality Manual: improving building performance' was published by Blackwells in 2007.

The DQM is used by all auditing authorities in the UK and many funding bodies to conduct post occupancy evaluations (POE) for all building types. Martin has conducted post occupancy evaluation projects in educational buildings for Audit Scotland and for the Scottish Funding Council. He is currently using the Design Quality Method (DQM) to assess new prison buildings for the Scottish Prison Service, and looking at new BSF secondary schools for Partnerships for Schools.

Brandon McMaster

Director, Northern Ireland Audit Office

Brandon is a Director in the Northern Ireland Audit Office's Value for Money Division where his main audit responsibilities are, among other areas, Strategic Investment (including PPP), the Department for Social Development and the Office of the First Minister and Deputy First Minister. He was the architect of NIAO's report on Northern Ireland's Reinvestment and Reform Initiative and recent progress report on the delivery of Northern Ireland's £3 billion Shared Services reform programme. In addition he has been responsible for reports on the Education Pathfinder projects (Building for the Future) and more recently the Laboratory and Pharmacy Centre at Altnagelvin Hospital in Londonderry. He is currently taking forward a major piece of work on School Design as a follow-up to the Education Pathfinder report. Outside of work, he is a parent governor and Vice-Chair of the Board of Governors at Wellington College, Grammar School in Belfast.

Dr Linda Sheridan

Head of Research, Building Standards Division of the Scottish Government

Linda Sheridan leads the Research, Sustainability, and LZCT team in the Building Standards Division of Scottish Government. She was one of the officials supporting the panel chaired by Lynne Sullivan who produced 'A Low Carbon Building Standards Strategy for Scotland' and has been investigating many of its recommendations. Before joining the Government she taught architecture at the University of Liverpool and worked on a pioneering project on sustainable construction – which included post occupancy monitoring.

Courtney Hyde Peyton

Managing Director, Thirdwave Ltd.

As a founding Director of strategic sustainability consultancy Thirdwave, Courtney shaped much of the focus of the company's work around built environment issues and progressed that work into practical and dynamic new relationships between policy makers, politicians, business, NGOs, academia and stakeholders. In recent years she has led of sustainable design and planning guidance for a wide range of clients which include: the Scottish Funding Council; City of Edinburgh Council; Highland Council; Royal Bank of Scotland; WWF, and the Improvement Service (on behalf of all of Scotland's local authority planning departments).

A former principal of the Edinburgh Sustainable Architecture Unit at the University of Edinburgh, she also taught part-time on a series of sustainable planning and design courses over several years. Prior to co-founding Thirdwave, Courtney advised forward-looking developers on how to deliver a balance between conservation and sustainability on large scale regeneration and tourism developments - in Italy and the Czech Republic.

Courtney is a regular presenter to professional institutes, financial services and government bodies as well as academic courses and third sector organisations. In this context she regularly addresses the qualitative, commercial and financial opportunities which can be realised by embedding sustainability thinking into investment, planning, design and procurement strategies.