

SCHOSA

Standing Conference of Heads of Schools of Architecture

AGENDA FOR THE SCHOSA CONFERENCE 2015, TO BE HELD ON THURSDAY 9 APRIL AND FRIDAY 10 APRIL AT THE RIBA, 66 PORTLAND PLACE.

Chair: Fionn Stevenson

Thursday 9th April 18.00 – 20.00

Evening Reception and Debate, followed by Dinner at RIBA

How can we educate architects to evaluate their built work?

Practices who are successfully doing BPE talk about their experiences and what they need from educationalists teaching architecture.

- Wellbeing – Lynne Sullivan, SustainableByDesign
- Energy – Ben Humphries, Architype Architects
- Food – Pooran Desai, Bioregional
- Transport – Anthony Trilsbach, Dover Harbour Board
- Climate Change - Rab Bennetts, Bennetts Associates

Panel to address comments from the floor after initial 10 minute presentations

Friday 10th April

Main Conference

09.00 Registration and coffee

09.30 Welcome from Alex Wright, SCHOSA Chair and handover to Fionn Stevenson, Conference Chair

Measuring Physical Footprints

09.40 Transport – What journey should we take? – Jon Sampson, URBED

10.00 Water –the forgotten challenge – Cath Hassell , ech₂ consultants

10.20 Energy – Building Physics for Architects - Doug King, Royal Academy of Engineering

10.40 Research:Evaluation:Practice - Peter Clegg, Fielden Clegg Bradley Studios

11.00 Refreshment Break

Meaningful Evaluation

11.30 Healthy Architecture – Elena Marco, University of West England

11.50 The Cultural Value of Architecture –Flora Samuel, The University of Sheffield

12.10 Second Nature Urban Architecture– Andre Viljoen, University of Brighton

12.30 Ethical resource use – at least do no harm? Sandy Halliday, Gaia Architects

12.50 Summary of Morning – Alex Wright. The University of Bath

13.00 – 14.00 Lunch

Education

14.00 Centre for Mathematics at Cambridge 10 years on – Carol Costello, Cullinan Studio

14.20 The Difficult Whole: Sensory Evaluation – Fionn Stevenson, The University of Sheffield

14.40 BPE, an educational endeavour joining students, practitioners and researchers – Henrik Schoenefeldt, University of Kent

15.00 Break

15.30 Plenary ***Where next with performance evaluation?*** Chair –tbc

16.30 SCHOSA resolutions on embedding performance evaluation in architectural education

16.55 Closing comments Alex Wright, SCHOSA Chair

17.00 CLOSE

SCHOSA CONFERENCE 2015

Thursday, 9th April 2015

Lynne Sullivan

Wellbeing

Lynne Sullivan is a practicing Architect and founding Partner of sustainableBYdesign, specialists in low-energy new and retrofit projects in a range of sectors, currently including a European funded demonstration project at Thamesmead to Passivhaus Enerphit standard, and finalists in all three 2010-2012 BRE UK Passivhaus Housing Competitions. Previously Lynne was Sustainability Director for 9 years at Broadway Malyan, and for 10 years Associate Director at ECD Architects, where she was co-author and winner of the UK's first government-sponsored Zero CO2 housing competition.

Lynne sits on local and national design review panels and has authored and chairs a number of policy review and research projects for UK governments and others, including the Expert Panel for the Scottish Government whose report "A Low Carbon Building Standards Strategy for Scotland", first published in 2007, was updated in 2013.

Ben Humphries

Energy

Ben has been with Architype for 15 years and is an established member of the senior management team.

He has consistently delivered a wide range of complex community, educational, and public commissions and has led many of Architype's innovative projects including [The Enterprise Centre](#), an exemplary low carbon building for University of East Anglia, the Masdar Eco City Project in Abu Dhabi and the Creative Media Training Centre for Southwark Council.

Ben is passionate about genuinely sustainable architecture and is keen to enthuse clients about the benefits of Passivhaus, natural materials, reducing embodied carbon, building performance evaluation and Soft Landings.

He has lectured and taught in a number of universities, including London Metropolitan, Kingston University and the Architectural Association and regularly talks on Architype's work and approach at conferences in the UK and abroad.

Pooran Desai

Food

After studying at Oxford and Cambridge Universities Pooran co-founded [Bioregional](#), an international environmental network operating in Europe, the Americas, Africa and Australia. He has worked in sustainable farming, forestry, recycling & real estate development, drawing together the partnership to construct [Beddington Zero \(fossil\) Energy Development \(BedZED\)](#), the UK's foremost eco-village development where he lives and works. Pooran coined the term 'One Planet Living' and heads up Bioregional's [One Planet Communities](#) programme working with developers around the world, leading teams which have written sustainability plans for a total of \$30 billion of development under construction or planned.

Pooran was awarded the international Skoll Award (\$750K) for Social Entrepreneurship, been named European Social Entrepreneur 2011 by the World Economic Forum Schwab Foundation and named Cleantech Pioneer 2013 by the Cleantech Group.

He has authored or co-authored 3 books, his last being '[One Planet Communities – a real life guide to sustainable living](#)' published by John Wiley in 2009.

Anthony Trilsbach

Transport

Anthony Trilsbach was awarded his Ph.D. in Geography from the University of Wales in 1983 and Diploma in Town Planning from the University of Westminster in 1992. Since 2008 he has been a lead auditor for ISO 9001 with LRQA. He has been a Lecturer in Geography (U of Durham, 1983-89), Senior Planning Officer (Kent County Council, 1989-98), Head of Land Use (Kent County Council, 1989-07), and Quality Assurance and Change Manager (Kent Trading Standards, 2007-10). Anthony has been an Independent Consultant on Strategic Planning, Regeneration and Quality Control (2010-13), Strategic Analyst (Port of Dover 2013-14), and is presently Quality Manager for the Port of Dover.

Rab Bennetts

Climate Change

After graduation from Edinburgh College of Art, Rab spent ten years at the multi-disciplinary firm Arup Associates before founding Bennetts Associates with his wife Denise in 1987. The practice, which is now 85 strong, has since undertaken a wide range of work from theatres to offices, transport infrastructure, masterplanning, hotels, university faculties and conservation projects, winning more than 120 awards and being shortlisted for the Stirling Prize three times. Rab is also involved in research projects and industry groups, helping to form the UK Green Building Council in 2007. Apart from being on the Board of UKGBC he is also a trustee of the Design Council and of Sadler's Wells Theatre. He was awarded an OBE for services to architecture in 2003.

Friday 10th April 2015

John Sampson

Transport – what journey should we take?

With a focus on movement and transport, John will be discussing the role of research in informing and defining the design practice of the office and the impact this could have for studio teaching.

John is an Urban Designer and Architect at URBED, an award winning design-led co-operative based in Manchester. Specialising in urbanism, sustainability and engagement, URBED work at a number of scales ranging from regional strategies down to individual whole house retrofits.

The practice has a long history of combining research and practice. Recent projects include Space to Park; a research project looking at parking provision in new build housing, footprint – a sustainable investment policy for the developer igloo, Regeneration and Uxcester, URBED's winning 2014 Wolfson Prize entry. Alongside his role at URBED John also has a regular teaching position at Sheffield School of Architecture.

Cath Hassell

Water –the forgotten challenge

Cath Hassell is an expert in sustainable water strategies and low-carbon technologies, formed from a background of 17 years in the plumbing industry and 16 years in environmental building. She is director of ech₂o consultants ltd, a company that works at both a strategic and individual site level, providing technological and behavioural solutions that reduce the UK's carbon footprint. Cath is a founder member of SWIG (the Sustainable Water Industry Group) and was a director of the AECB for seven years. Fascinated by how we use water she writes a regular column for Green Building Magazine, a water blog for the

AECB and blogs about showering at [a year of showering variously](#). She talks to a wide range of audiences across the UK about environmental issues. www.ech2o.co.uk

Doug King

Energy – Building Physics for Architects

A Chartered Physicist and Chartered Environmentalist as well as a Chartered Engineer, Doug King brings a scientific approach and environmental sensitivity to the engineering of buildings. He has been the engineer behind numerous of ground breaking sustainable buildings worldwide including: Sainsbury's Greenwich, the Genzyme Centre in Cambridge Massachusetts, the Innovate Green Office in Leeds and the UN EcoBuilding in Podgorica Montenegro.

Doug is a Visiting Professor at the Universities of Bath and Chongqing. He comments, writes and teaches widely on building physics and sustainability in the built environment. He founded the Royal Academy of Engineering initiative to establish University Centres of Excellence in Sustainable Building Design. Doug holds the rare distinction of being a Fellow of both the Royal Institute of British Architects and the Royal Academy of Engineering.

Peter Clegg

Research:Evaluation:Practice

Peter Clegg is a Founding Partner of Feilden Clegg Bradley Studios, having established the practice with Richard Feilden in 1978. Widely regarded as a key pioneer in the field of environmental design, he has more than 30 years' experience in low energy architecture and is actively involved in research, practice and education. Peter was the primary author of "Feilden Clegg Bradley: The Environmental Handbook" published in 2007, a substantial account of the practice's sustainable design experience over the last 30 years and a primer on the implementation of environmental best practice. He is Chair of the Cabe affiliated South West Design Review Panel and a trustee of the Yorkshire Sculpture Park and has chaired the RIBA awards nationally and internationally from 2012 to 2014. Peter was Senior Partner in charge of the architectural developments at the Yorkshire Sculpture Park and the new Central Office for the National Trust in Swindon. Current projects include refurbishment and renewal of the Queen Elizabeth Hall, Purcell Room and Hayward Gallery complex at the Southbank Centre, and several new schools and University buildings. Recently completed schemes include a substantial Higher Education scheme at Broadcasting Place for Leeds Metropolitan University. Recent work abroad includes a new school for the Aga Khan Foundation in Dhaka, a new school of Engineering at the University of Toronto, a 900 bed student housing scheme for the University of Seattle, and the Leventis Art gallery in Cyprus. He was made Royal Designer for Industry (RDI) in 2010.

Elena Marco

Healthy Architecture

Elena Marco is an architect and educator who built a strong profile in sustainable design at Feilden Clegg Bradley Studios working on many pioneering and award winning projects. Now Head of Department for Architecture and the Built Environment at the University of the West of England, Bristol, she continues to develop her research interests that focus on the crossover between health, sustainability and architecture.

Flora Samuel

The Cultural and Social Value of Architects will talk about the need to assess architecture in terms of cultural and social value, drawing on the AHRC funded 'Cultural Value of Architecture in Homes and Neighbourhoods' project in the process.

Flora Samuel is Professor of Architecture at the University of Sheffield. Elected National member of RIBA Council and incoming Chair of the RIBA Research and Innovation Group, she began her career writing about architectural history, most notably the work of Le Corbusier. This has led her to her new research topic, Architects themselves. She now supports Architects in demonstrating their value to non-Architects by developing Architecture Research Practice. This, she thinks, is key to preventing the further marginalisation of the profession from the production of the built environment.

Andre Viljoen***Second Nature Urban Agriculture***

Andre Viljoen is Research Initiatives Leader for the Architecture and Interior Architecture Programmes at the University of Brighton, where he also runs an MArch design studio and is a supervisor for PhD students. With Katrin Bohn (Bohn&Viljoen Architects / University of Brighton) he developed the concept of Continuous Productive Urban Landscapes, advocating the coherent integration of networks of food producing landscapes as part of a sustainable urban design strategy. Their current book, *Second Nature Urban Agriculture: Designing Productive Cities*, furthers this body of work, building on earlier publications, exhibitions, prototypes and advisory roles.

Sandy Halliday***Ethical resource use – at least do no harm?***

Sandy Halliday is principal of Gaia Research, a research consultancy developing sustainable solutions for the built environment. The practice portfolio at any one time embraces research, design, evaluation, dissemination, training and capacity building. A prolific author and chartered engineer with extensive experience of interdisciplinary working, Sandy is able to bridge gaps between architecture and engineering in briefing, process issues, passive design and building physics. Much of her current work involves supporting delivery of healthy, a resource efficient and affordable built development - at all scales, from one-off buildings through to master-planning - by providing real time advice at all stages from briefing and specification through tendering and handover to post-occupancy evaluation. She is currently writing the sustainability guide to the Plan of Work 2013.

Alex Wright***Summary of Morning Presentations***

Alex Wright is Head of Architecture at the University of Bath. He is Chair of the Standing Conference of Heads of Schools of Architecture (SCHOSA) and an elected member of the Architects' Registration Board (ARB). Alex is Chair of the UK Architectural Education Review Group, which published its report *Pathways and Gateways: the structure and regulation of architectural education* in April 2013. He is also a member of the Construction Industry Council's HE Implementation Group, a member of the Review Panel for Creating Excellence Southwest, a member of the BEPE Board, a member of the RIBA's Education Review Group and a founder member of ARENA.

Carol Costello

Centre for Mathematics at Cambridge 10 Years On Carol will be speaking at SCHOSA 2015 about the practice's long term relationship with the Mathematics Department at Cambridge since Cullinan completed the new department building in 2003. The building was the subject of a PROBE post occupancy evaluation and a BSRIA study in 2006.

Carol Costello is a partner at Cullinan Studio where she has been a practicing architect for 20 years. She has led several notable projects, including the recent New Herbarium and Library Wing at Kew Gardens and the Master Film Store for the British Film Institute. Carol has worked with many diverse clients from mathematicians at the University of Cambridge, botanists at Kew, film archivists at the BFI, and now with Jaguar Land Rover engineers at the University of Warwick National Automotive Innovation Centre; thus, she has unique insights on consultation, brief development and delivery of specialist environments.

Carol has also acted as an external examiner at University of Liverpool, Sheffield Hallam University and Oxford Brookes University. She is active in promoting architecture careers to young people from diverse backgrounds in her local community.

Fionn Stevenson

The Difficult Whole: Sensory Evaluation

Fionn Stevenson holds a Chair in Sustainable Design and is Head of The University of Sheffield School of Architecture. She is also Co-Director of the Royal Academy of Engineering Centre of Excellence for Sustainable Design at Sheffield. Pedagogically, she is dedicated to producing the next generation of architects capable of tackling climate change and promoting carbon positive regeneration of built environments within a broader understanding of sustainability. Her research and consultancy work focuses on creating innovative methods of building performance evaluation in relation to occupancy feedback and social learning in order to improve building design. She is particularly interested in the control interfaces between buildings and people from a holistic perspective which includes resource use in its widest dimension. She currently advises Innovate UK, Good Homes Alliance, Zero Carbon Hub among other government bodies and NGOs. She is also an active member of SCHOSA Council as well as the RIBA.

Henrik Schoenefeldt

BPE, an educational endeavour joining students, practitioners and researchers will provide a critical review of the purposes of building performance evaluation (BPE) in the context of architectural research, practice and education. It focuses on the challenges of using BPEs as affective learning tools in architectural design, exploring the practical challenges of giving design a true empirical basis, or of translating BPE results into useable design knowledge for architects. The idea of empirically-based design in practice and education will be explored, taking into consideration the role of both the social and physical sciences. Historical perspectives will also be provided to illustrate the role the cultural curriculum could take in illustrating to students the principles and origins of evidence-practice. Based on his research on the Palace of Westminster, the speaker will show some of the earliest examples of building performance evaluation in which the recording of measurement and experimental studies were combined with surveys on user perception. Using two projects undertaken at the University of Kent as examples, the second part of the talk will illustrate the potential of collaboration between academics, clients, practitioners, and students in addressing some of the challenges of performance-led practices of low-energy design in the UK.

Henrik Schoenefeldt is currently a lecturer in sustainable architecture at the University of Kent, where he is teaching at the MArch and MSc programs. He trained as an architect in the

UK and Austria, after which he did an M.Phil and PhD at the University of Cambridge in the field of environmental design. His current research is on the ventilation of the Palace of Westminster, sustainable education and the adoption of the PassivHaus standard in the UK. He is also working with RDA architects on post-occupancy evaluations in London. His most recent publication: Schoenefeldt, Henrik (2014) The Houses of Parliament and Reid's Architecture of Experimentation *Architectural History* 57 pp. 175-215.