

SPAB & STBA ANNUAL CONFERENCE 2020

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Full conference: £65 Members

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Daily rates: £25 Members

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6th – 13th October

10am – 12.30



STBA

SUSTAINABLE TRADITIONAL
BUILDINGS ALLIANCE

CPD Accredited



Day 1 | 6th October | 10am–12.30pm | Embodied Carbon

Aim of the day: to share the latest thinking on embodied energy within the traditional built environment, assess material choices and explore new ways of measurement.

Conference Chair and Introduction
STBA Director – Nigel Griffiths

Session 1 – Peter Cox
Embodied carbon within existing buildings

Session 2 – Tom Woolley
Retrofit: why the choice of breathable materials is crucial

Session 3 – Brian Murphy
Target: U-value + Overheating + GreenCostPlan + VE
+ BoM + BoQ + EE + EC + SC + LCA = GBC

Session 4 – Sophia Haywood
Decarbonising Heat: The role for LPG and bioLPG

Q & A Panel session

Day 2 | 8th October | 10am–12.30pm | Skills

Aim of the day: to share the context of an emerging new skills requirement, explore background training data, view one working solution and facilitate a constructive debate

Conference Chair and Introduction
STBA Director – Nigel Griffiths

Session 1 – Tim Mann
Optimised Retrofit in Wales: the new Welsh Government approach

Session 2 – Peter Rickaby
Safe Retrofit: standards that protect our architectural heritage including an update on PAS2038

Session 3 – Richard Bayliss
Building skills for Net Zero

Session 4 – Lucy Pedler
Futureproof: Training SME contractors to be Retrofit Champions

Session 5 – John Edwards
Level 3 Energy Efficiency in Traditional Buildings course & the role of competence in the industry

Q & A Panel session



Day 3 | 13th October | 10am – 12.30pm | Research

Aim of the day: to explore the latest findings from practical retrofit projects and their potential impact on the industry. Followed by discussion and questions

Conference Chair & Introduction

SPAB Technical and Research Director – Douglas Kent

Session 1 – Caroline Rye

The SPAB Building Performance Survey: The Final Chapter

Session 2 – Harry Paticas

LCA from a low-carbon Victorian terrace retrofit in Bournville

Session 3 – David Glew

The Good the Bad and the Risky; Observations and Measurements from Domestic Retrofits

Session 4 – Nigel Griffiths and Peter Draper

STBA and the BEIS Melin and SMETER projects – update

Q & A Panel session

SPEAKERS

(in alphabetical order)

Richard Bayliss - CITB



Richard Bayliss is the Strategy Lead for Sustainability and Innovation at the Construction Industry Training Board, a policy role focussed on the impact of industry change on the construction sector's skills needs. He is a member of the Green Construction Board and has led a range of projects addressing sustainability skills for the UK construction sector.

Richard previously worked in structural engineering and began his career in higher education; researching and teaching on the archaeology of buildings while managing a series of international research projects and explorations.

Peter Cox - CARRIG INT



Peter is currently President of the ICOMOS National Scientific Committee on Energy Sustainably and Climate Change (NSCES+CC). Whilst working in the USA, he was an active member of the Association of Preservation Technology (APT). He has served on the committee researching chemical consolidation methods for decay and is an associate of the International Institute of Conservation.

As one of Ireland's leading conservation and stone experts, he is instrumental in advising and implementing national conservation & heritage policies on behalf of government bodies and local authorities.

Lisa Dobbins - Welsh Government



Llywodraeth Cymru
Welsh Government

The Decarbonisation Team in WG has been very busy trying to adjust the modus operandi within the retrofit market. Armed with the lessons learned from Arbed, the direction and ways of working afforded by the Wellbeing of Future Generations Act 2015, and PAS2035 on the horizon, it was time for a change.

Lisa Dobbins presents 'Innovative Housing Programme funding - Optimised Retrofit'. This new set of 'asks' from WG for the Retrofit industry to respond to are wide ranging and challenging. With Wales leading the way on an holistic approach within Government it may be a glimpse into a more sustainable future for us all.

SPEAKERS

David Glew
Leeds Beckett University



Dr Glew is Reader in Energy Efficiency and Policy at the Leeds Sustainability Institute at Leeds Beckett University. He has published in multiple peer review publications, supervises doctoral students in the LSI and has been appointed to government advisory panels.

Dr Glew is involved in policy development in the area of domestic energy efficiency; he has been appointed to Ofgem Technical Advisory Panels to assess new innovations, contributed to Government calls for evidence, Select Committee inquiries, All Party Parliamentary Groups and being a member of work streams for the Each Home Counts industry review.

Nigel Griffiths -
Director of STBA



Nigel has over 25 years' experience in the building industry as a practitioner, author and consultant and has a strong practical background in the repair and refurbishment of traditional buildings.

While a Principal Consultant in Sustainable Buildings at Ricardo, he worked closely with UK government, overseas governments and other agencies to develop and evaluate policy on energy efficiency and renewable energy. He has provided sustainable refurbishment advice to some of the most notable listed buildings in the UK and is also the author of the Eco House Manual (Haynes, paperback edition 2016). He lectures widely on traditional buildings, is the resident sustainability expert at "Build-it", and member of the Steering Group for PAS2035

Sophia Haywood -
Liquid Gas UK



As Director of Public Affairs for Liquid Gas UK, Sophia is responsible for representing the association's 100 members from the LPG and bioLPG sector. She works with and influences stakeholders from across UK and Devolved Government, as well as policy making and regulatory bodies. Last year, Sophia launched the industry's 2040 Vision with cross-party support, which outlines the LPG industry's ambition to transition to bioLPG by 2040.

Prior to Liquid Gas UK, Sophia has worked in Devolved Government, the Chamber of Commerce Network and the wider Energy & Utilities Sector.

SPEAKERS

Brian Murphy - Green Building Calculator



Brian Murphy aka BrianSpecMan is a technician and architect by training, specification writer by choice, environmentalist by action, educator by calling, a writer, editor and disseminator by necessity and an Excel number cruncher, because not many people want to do that. Combining U values and other performance, with material's carbon and LCA data with a bill of materials, labour, quantities and costs and we can engage with these targets, do real value engineering and monetize carbon. GBC Green Building Calculator is on its way to combining all these issues, with many other functions and one day aims to grow into a BIM App.

Harry Paticas - Arboreal Architecture



Harry founded Arboreal Architecture with Tom Raymont in 2010 and was one of the STBA's first Affiliate members.

Harry's projects include the award winning Clapham Retrofit. The 170-year old Grade II Listed townhouse achieved the AECB Silver Standard for energy efficiency whilst retaining, and even enhancing, the heritage features of the home. Harry continues to pass on what he learns as a visiting Lecturer at the University of Westminster (Architecture & the Built Environment).

Lucy Pedler - The Green Register



Lucy is an architect with 35 years of professional experience and has particular expertise in sustainable building practices.

Lucy created The Green Register in 2000, now a nation-wide networking and educational not-for-profit organisation promoting sustainable building practices to all disciplines of the construction industry.

Lucy is an RIBA member, was nominated as an Earth Champion in 2015 and is on the panel of the Bristol Urban Design Forum.

SPEAKERS

**Peter Rickaby -
BSI**



Peter Rickaby qualified in architecture at Cambridge University and holds a doctorate in energy studies from The Open University.

He chairs the BSI Retrofit Standards Task Group and was technical author of PAS 2035: Retrofitting Dwellings for Energy Efficiency: Specification and Guidance. He is currently working on PAS 2038 Retrofitting Non-Domestic Buildings for Energy Efficiency and helping to run the UK Centre for Moisture in Buildings (UKCMB) and the Building Envelope Research Network (BERN) at University College London.

**Caroline Rye -
Archimetrics Ltd**



In 2011, Caroline, along with Cameron Scott, co-founded ArchiMetrics Ltd, a building performance research company.

ArchiMetrics has carried out work for the Society for the Protection of Ancient Buildings (SPAB), Historic Environment Scotland, Trinity College, Cambridge, St Johns' College, Oxford, and Saint Gobain amongst others. Caroline is a member of the SPAB Technical Panel and one of the STBA 'panel of experts', co-author of their Responsible Retrofit of Traditional Buildings Report and part of the team that created the on-line retrofit Guidance Wheel.

**Tom Woolley -
Rachel Bevan Architects**



Tom Woolley is an architect and environmental researcher living in County Down Northern Ireland and working for Rachel Bevan Architects. He is a visiting Professor at Anglia Ruskin University and at the Centre for Alternative Technology.

Tom has published widely, including the Green Building Handbook, Natural Building, Health and Indoor Air Quality and most recently Thermal Insulation Materials. He runs regular CPD sessions for architects, public sector, environmental and energy groups in Ireland and internationally.

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<https://www.spab.org.uk/whats-on>

Phone: 020 7377 1644

Email: info@spab.org.uk

The SPAB
37 Spital Square
London E1 6DY

<https://stbauk.org/stba-spab-2020-conference/>

Phone: 020 7704 3501

Email: info@stbauk.org

The Foundry
5 Baldwin Terrace
London, N1 7RU