



Designing effective
thermal breaks.

The **Institution**
of **Structural**
Engineers

IStructE Workshop.
15th November 2018.

About Schöck

Schöck has grown to become Europe's leading supplier of innovative structural load-bearing insulation products. The main product is the Schöck Isokorb® – a thermal break for practically any type of cantilever construction in new buildings and for renovation. Schöck is committed to providing the highest level of technical support and comprehensive customer service to the international construction industry.

Keynote presentation

Solitair Kluth plays a central role in the Schöck Building Physics department at Baden-Baden; advising on the construction and renovation of high performance, energy efficient buildings, while minimising their environmental impact. Building Physics Engineering addresses several different areas in building performance, including thermal performance; heat losses via thermal bridges; control of moisture; ambient energy and climate. Initially Solitair studied physics at Heidelberg University for three years, followed by a further four years in Stuttgart, specialising in building physics and obtaining a degree as a Bachelor of Engineering.



Solitair Kluth B Eng.
Building Physics Specialist

A half-day Workshop intended to bring the latest principles of structural thermal break design to Structural Engineers, Architects and Technicians.

Agenda for 2018 IStructE Workshop

Session 1

9:00 Arrival: Registration & Coffee

9:15 – 10:00 Welcome and Keynote presentation

Session 2

10:00 – 10:45 Design consideration and principles

10:45 – 11:15 Networking and Coffee Break

Sessions 3

11:15 – 12:15 Digitalisation: Building Information Modeling (BIM) and Software

Sessions 4

12:15 – 12:45 Schöck beyond thermal breaks

12:45 – 13:00 Closing summary, Q&A

13:00 pm onwards – Networking and Lunch

Objectives of the Workshop

To provide an introduction to the latest principles of effective thermal break design and achieving optimum thermal break solutions at cantilever connections.

Professional Development

This workshop will be of interest to engineers wishing to accrue CPD points.

Date

15th November 2018

Venue

The Institution of Structural Engineers, 47-58 Bastwick Street, London EC1V 3PS

Time

9.00 am – 1.00 pm. Followed by buffet lunch

Price

Free

Registration

Please register at <http://www.schoeck.co.uk/en-gb/events> or for further information contact Robert Oakes on: 01865 290 895 or robert.oakes@schoeck.co.uk

Schöck Industry Workshop

The Institution of Structural Engineers is delighted to host the Schöck Industry workshop on Thursday 15th November 2018.

- With increasingly improved airtightness and fabric U-values in UK buildings, it is common for thermal bridges to account for 20% - 30% of the heat loss in multi-residential units (as calculated by thermal modelling). Balcony and other cantilever connections can be a major contributor to this thermal bridge heat loss, if effective thermal isolation is not included in the design.
- This workshop is intended to bring the latest principles of structural thermal break design to Structural Engineers, Architects and Technicians.
- It will consider how to achieve optimum thermal break solutions at cantilever connections, plus BIM and Fire Resistance issues.
- In addition, the workshop will look at Natural Frequency calculation and discuss the ways in which it can be reduced.
- There will also be an introduction to the latest dedicated Schöck product software; and consider how other FEM software can also be used.

This workshop is an independent undertaking and does not necessarily reflect the views of The Institution of Structural Engineers' Board, Council, committee, members or employees.

Schöck Ltd
Staniford House
4 Wedgwood Road
Bicester
Oxfordshire
OX26 4UL
Telephone: 0845 241 3390
design@schoeck.co.uk
www.schoeck.co.uk

