

# Indoor Environments & Health in Buildings



**UKIEG 2017 CONFERENCE**  
**26<sup>th</sup> April 2017**



[www.ukieg.org](http://www.ukieg.org)

[www.hemacnetwork.com](http://www.hemacnetwork.com)

*supported by the HEMAC network and the Mackintosh  
Environmental Architecture Research Unit, GSA*

A one-day meeting organised by the UK Indoor Environments Group [www.ukieg.org](http://www.ukieg.org)

**Registration available:** <https://ukieg2017.eventbrite.co.uk>

**MACKINTOSH  
ENVIRONMENTAL  
ARCHITECTURE  
RESEARCH UNIT  
THE GLASGOW  
SCHOOL OF ART**

*Invited speaker:  
Prof Jan Sundell,  
Tsinghua University Beijing*

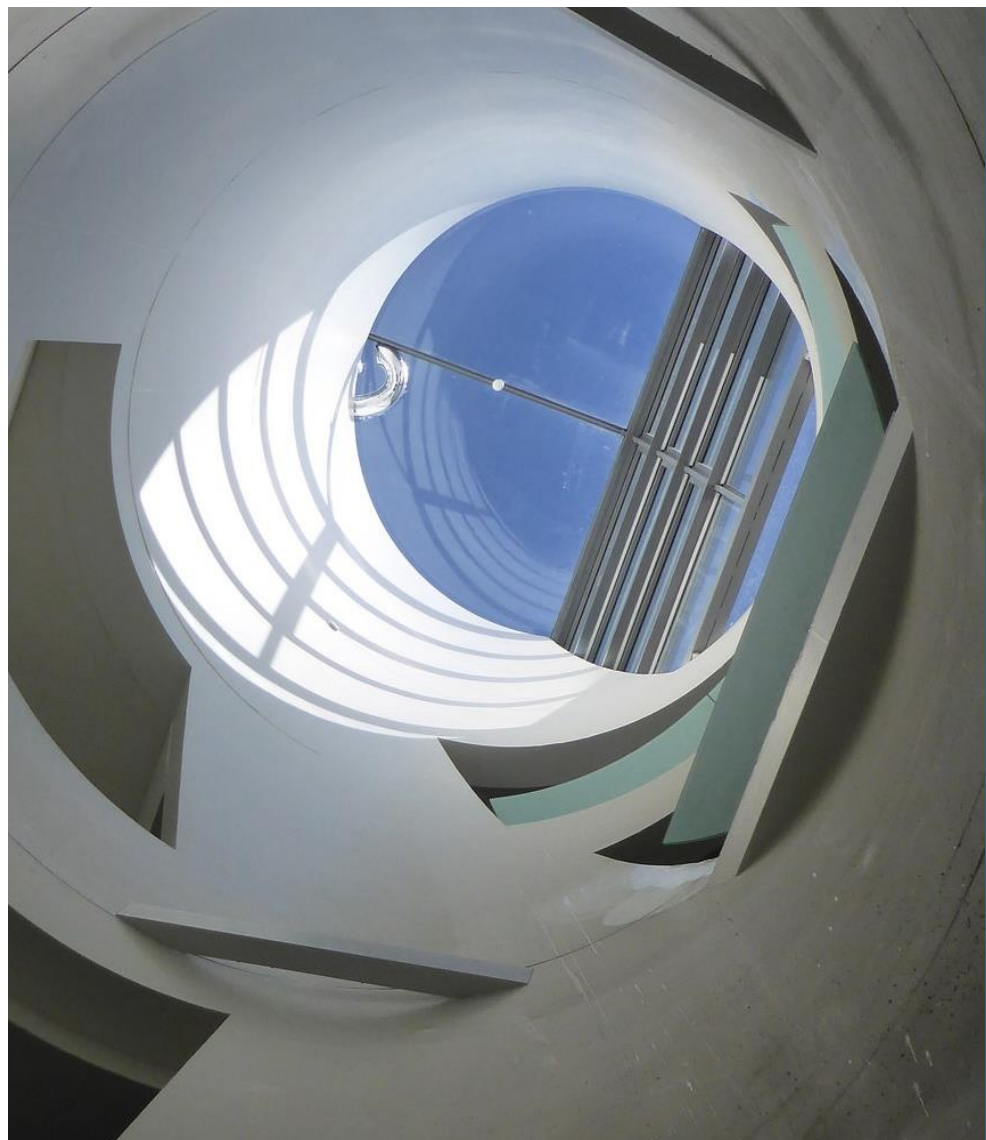
**Venue Details:** Reid Building,  
Glasgow School of Art, 167  
Renfrew Street, G3 6RQ

**Conference Fee:** £65 for students  
& UKIEG members; £120 for  
non-members

**Conference Registration Queries:**  
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**Industry Stands** available  
on request: [m.ucci@ucl.ac.uk](mailto:m.ucci@ucl.ac.uk)



The UKIEG annual conference is a networking event for a multidisciplinary audience of academics, policy makers and industry experts with an interest in improving indoor environments for health and wellbeing. The indoor built environment can have a profound effect on the health, wellbeing and comfort of building occupants; particularly for more vulnerable groups such as children, the elderly and those with reduced mobility due to illness.

This conference brings together research and case studies to help shed light on this important topic. The conference will include invited speakers, presentations and discussion, a poster session and networking opportunities. The UKIEG AGM will take place during the lunch break.

**Auditorium, Reid Building, Glasgow School of Art  
26<sup>th</sup> April 2017**

## Conference Programme

<b>09:00</b>	<b>Registration, tea &amp; coffee</b>	
09:30	Welcome & Chair introduction	<b>Marcella Ucci</b> , UCL; <b>Tom Inns</b> and <b>Tim Sharpe</b> , Glasgow School of Art
	<b><i>Morning session</i></b>	<b>Chair: Prof Tim Sharpe</b>
10:00	<i>Invited Presentation</i> Title TBC	<b>Prof Jan Sundell</b> , Tsinghua University Beijing
10:30	IEQ killer variable number 1 : Control	<b>Dr Atze Boerstra</b> , BBA & Eindhoven University of Technology
10:50	Meta-study on assessing the relationship between IEQ and productivity in office buildings	<b>Prof Rajat Gupta</b> , Oxford Brookes University
<b>11:10</b>	<b>Tea and Coffee</b>	
11:30	Guidance for designers on combined assessment of noise, ventilation and overheating in dwellings	<b>Jack Harvie-Clark</b> , Apex Acoustics & ANC Noise, Vent & Overheating Group
11:50	Improving indoor environmental quality & supporting health & wellbeing with indoor plants, green roofs & green walls	<b>Dr Lynette Robertson</b> , MEARU, Glasgow School of Art
12:10	Poster 'quick fire session' (2 min presentations)	<b>Chair: Prof Paul Harrison</b>
<b>12:35</b>	<b>Lunch and Poster Viewing</b>	
<b>13:15</b>	<b>UKIEG AGM</b>	<b>Chair: Dr Marcella Ucci</b>
	<b><i>Afternoon Session</i></b>	<b>Chair: Dr Derrick Crump</b>
13:45	A struggle for 800 ppm	<b>Assist. Prof Jelle Laverge</b> , Ghent University
14:05	Design decisions : how these might influence the performance characteristics of MVHR systems	<b>Ian Mawditt</b> , Fourwalls
14:25	A study of the implications for the Health & Wellbeing of Energy-efficient House Occupants: A UK-based investigation of indoor climate and IAQ	<b>Patricia Kermeci</b> , University of East Anglia
<b>14:45</b>	<b>Tea and coffee</b>	
15:05	Evaluation of alternatives to common passive ventilation in home retrofit	<b>Dr Oliver Kinnane</b> , University College Dublin
15:25	<i>Title TBC</i>	<b>Leigh George</b> , Allergy UK
15:35	<b><i>Discussion session</i></b>	<b>Chair: Dr Marcella Ucci</b>
<b>16.00</b>	<b>Close of Meeting</b>	

## Poster Presentations

Poster Presentations (12:10 – 12:35)		
1	Dedicated indoor drying spaces- A step towards improving indoor air quality	Rosalie Menon, MEARU, Glasgow School of Art
2	UK winter temperature and the health of the ageing population	Caroline Hughes, University of Bath
3	A computational evaluation assessing the impact changes in building guidelines and energy retrofit scenarios on indoor radon concentrations	Dr James McGrath, NUI Galway
4	Health benefit and economic cost of upgrading ventilation system to reduce indoor exposure to outdoor pollution in Beijing China	Zhiwen Luo, University of Reading
5 (TBC)	On the dependence of cross-ventilation turbulent flows on the wind direction of the approaching flow	Christos Halios, University of Reading
6 (TBC)	Housing for old age through the platform of the European Innovation Partnership on Active Healthy Aging (EIP on AHA)	Evangelia Chrysikou, University College London
7	Passive ventilation methods, occupant interaction and IAQ – A simulation based study	Muhammad Zaeem, University of Strathclyde
8	Using a low-cost particle sensor to distinguish smoking and smoke-free homes	Ruaraidh Dobson, University of Aberdeen
9	Pollution ingress into residential buildings and the influence of street canyon design	Marco-Felipe King, Leeds University
10	Exploring classroom comfort with youth researchers	Kimberley O'Sullivan, University of Otago, Wellington