



# UKIEG 2022 Conference Programme

## 23rd JUNE 2022

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|---|---|---|
| <b>10:20</b>                                  | <b>WELCOME</b>  |   |
| 10:20   | Welcome (Dr Monica Mateo-Garcia, BCU)   |   |
| 10:25   | Welcome & Chair introduction (UKIEG)  |   |
| <b>Session 1. Morning session</b>             |   | <b>Chair: BCU</b>                             |
| 10:30   | <b>Invited Presentation:</b><br>Assessing IEQ performance in retrofits  | Prof Rajat Gupta, Oxford Brookes University   |
| 11:00   | Evaluating IAQ performance in unoccupied and occupied homes under different levels of airtightness  | Mohamed Barre, BCU                            |
| 11:20   | An investigation of MVHR system performance in low-carbon housing in Swansea, UK based on health and comfort criteria                     | Faisal Farooq, Cardiff University             |
| <b>11:40</b>                                  | <b>Coffee break</b>   |   |
| 11:55   | <b>Invited presentation</b><br>How is indoor environment air quality considered in construction   | Paul Chatwin, Cundall                         |
| 12:25   | Energy efficiency interventions and health: Quantifying the impact of indoor air pollution on childhood asthma in UK schools              | Filiz Karakas, LSHTM                          |
| <b>Session 2. Poster 'quick fire session'</b> |   | <b>Chair: Dr Sani Dimitroulopoulou, PHE</b>   |
| 12:45   | The impact of human exposure to indoor carbon dioxide on cognitive performance  | Didong Chen, UCL                              |
|   | Estimating the Effectiveness of Engineering Control Strategy for Reducing both Short- and Long-range Airborne Transmission Infection Risk | Xiaowei Lyu, University of Reading            |
|   | Personal exposure to indoor air pollution for hybrid office workers in the UK – pilot study   | Alejandro Moreno-Rangel, Lancaster University |
|   | Impacts of Short-term Exposure to Indoor PM2.5 on Cognitive Performance in Adults: An Intervention Study                                  | Jiaxu Zhou, UCL                               |
|   | An emissions barrier stops spread of harmful emissions from a building into the indoor air  | Lennart Larsson, Lund University              |
|   | Optimising the use of administrative data on housing and health inequalities to reduce local health and care inequalities                 | Jessica Sheringham, UCL                       |
| <b>13:10</b>                                  | <b>Lunch and Poster Viewing</b>   |   |
| <b>13:45</b>                                  | <b>UKIEG AGM</b>  | <b>Chair: Derrick Crump</b>                   |
| <b>Session 3. Afternoon session</b>           |   | <b>Chair: Jon Bootland</b>                    |
| 14:00   | <b>Invited presentation:</b><br>Home energy efficiency: Understanding and changing behaviour in systems                                   | Jo Hale, UCL                                  |
| 14:30   | Comparison between daylight and electric lighting: Spectral effects on visual and atmosphere perceptions                                  | Chengpeng Zhao, UCL                           |
| 14:50   | Chemicals in European residences – Part I: a review of emissions, concentrations and health effects of Volatile Organic Compounds (VOCs)  | Christos H. Halios, UK Health Security Agency |
| 15:10   | Indoor air water carries various toxic compounds: a novel detection and evaluation method of toxicity by human immune cells in vitro      | Kirsi Vaali, SelexLab                         |
| <b>15.30</b>                                  | <b>Closing session. Discussion/ Q&amp;A on IEQ scope</b>  | <b>Chair: Marcella Ucci, UCL</b>              |
| <b>16.00</b>                                  | <b>Close of Meeting</b>   |   |

For more information, please contact the event organiser: Dr Monica Mateo-Garcia [Monica.mateogarcia@bcu.ac.uk](mailto:Monica.mateogarcia@bcu.ac.uk)