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The electronic Newsletter of IBPSA England (2018 No. 4)

Dear IBPSA England members

Here is your last eNews issue for this year. All of us from the IBPSA-England Board send you our warmest wishes for a great festive break and a Happy New Year!

In this newsletter issue you'll find the results from the Whole Life Performance Plus project, a new MSc course at Loughborough University, and info on the BS2019 Student Travel Award.

You can also find the event calendar at the end of the newsletter to keep you updated with all BPS-related upcoming events. Last, don't miss the article about the exciting job opening at Atelier Ten, and remember that we regularly flag relevant job positions on our website ibpsa-england.org.

Happy reading and best holiday wishes!

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P.S. The IBPSA eNews is published on a quarterly basis, namely at the end of the following months: March, June, September, and December. If you would like to share IBPSA England related information with all IBPSA England delegates, please don't hesitate to send an email to e.brembilla@lboro.ac.uk

Item 1: Message from the Board

It has been an eventful year for IBPSA-England, with a brand new Board formed in May and a very successful BSO Conference held in Cambridge last September!

IBPSA-England is a reference point for all matters related to Building Performance Simulation and we have been growing our visibility in the last year. We now have a completely revamped website (go and visit ibpsa-England.org if you haven't done it yet!), and we featured in the November issue of the CIBSE Journal (in case you missed it, you can still read the article [HERE](#)).

We are already working on the organisation of more exciting events for the next year, and we look forward to promoting more collaboration, networking and knowledge exchange opportunities among BPS professionals.

Thank you for being part of this amazing community. We wish you a great festive season and a wonderful start of a new, invigorating year!

- The IBPSA-England Board



Item 2: Results from the Whole Life Performance Plus project

The Whole Life Performance Plus (WLP+) project report provides evidence and detailed insights into the relationship between poor indoor environmental conditions and dissatisfied, unproductive or unwell workers. Until now the relationship between indoor environmental conditions and productivity has been largely studied in the laboratory.

The main objective of WLP+ project was to gain an empirical, evidence-based understanding of how to optimise working conditions and improve staff performance and productivity. The three-year £530k WLP+ project was supported by Engineering

and Physical Sciences Research Council (EPSRC) and Innovate UK. Professor Rajat Gupta was the academic lead and Alastair Howard of the Low Carbon Building Group was the Researcher on the WLP+ project, which was carried out in collaboration with LCMB Building Performance Ltd and a range of industry partners.

The research found that when CO2 levels were lowered, people completed the tests dramatically faster and scored better.

- Test scores improved by up to 12%
- Where test speed was measured in one building, people worked 60% faster in lower CO2 concentrations, taking a mean of 8.2 minutes to complete a test in low CO2 concentrations, compared with 13.3 minutes in modest CO2 concentrations.

More information can be found at [this link](#) and the project report can be accessed [here](#).

Item 3: Environmental designer position in London, UK – Atelier Ten

Atelier Ten is looking for a full-time Environmental Designer to join our London head office.

Environmental design staff at atelier ten are key members of interdisciplinary consulting teams working on exciting and innovative projects. Our projects range from university campuses, offices, and public buildings to headquarters of large tech companies, mixed-use developments and masterplans. The position will enable you to work directly with clients, architects, engineers and other consultants to provide analyses and recommendations that drive design decisions, enabling projects to meet challenging sustainability goals. Perhaps most importantly, you'll get the chance to contribute ideas and play an active part in the design process of landmark projects and get to make a genuine personal difference, in a way that's not always possible in a bigger corporate environment.

If that sounds interesting, please do get in touch. More information at www.atelierten.com/careers/environmental-designer-london/



Item 4: MSc in High Performance Building Engineering at Loughborough University

Registrations are now open to enrol in the brand new MSc in High Performance Building Engineering (HPBE) at Loughborough University.

The HPBE MSc is designed for recent graduates and experienced built environment professionals who wish to establish their careers in the emerging field of high performance building design and operation.

The programme is delivered by experts from the world-renowned Building Energy Research Group in the School of Architecture, Building and Civil Engineering at Loughborough University and benefits from its links with the Royal Academy of Engineering Centre of Excellence in Sustainable Building Design at Loughborough University. The course is divided into three main thematic areas addressing the: fundamentals of high performance buildings; simulation and modelling for improved performance and resilience; and closing the performance gap.

For more information, please visit www.lboro.ac.uk/study/postgraduate/masters-degrees/a-z/high-performance-building-engineering/

Item 5: IBPSA Student Travel Award to attend Building Simulation 2019 in Rome

In order to assist as many students as possible to participate in Building Simulation 2019 in Rome, Italy, IBPSA will grant a number of travel awards of up to **1000 USD** to students presenting peer-reviewed papers.

The selection committee bases its decisions upon the following selection criteria:

- need for financial assistance, evidenced in a letter of recommendation from the

- student's supervisor/ advisor of studies (must be on university letterhead);
- overall quality of the paper;
 - relevance of contribution to the field of and/or furthering the effective application of building simulation.

To be eligible, the student must:

- be enrolled in a graduate programme related to building simulation at the time of the conference;
- submit the paper by the conference deadline; and
- the thesis project must be directly related to building simulation.

Applications must be supported by a letter of recommendation from the student's supervisor/ advisor / director of studies.

The deadline for applications is aligned with the deadline to submit full papers at the Building Simulation 2019 conference, which is currently **January 15, 2019** (buildingsimulation2019.org).

Applications for the award must be made via e-mail to the Chair of the Awards and Fellows Committee, Michaël Kummert, at michael.kummert@polymtl.ca. The subject heading of the e-mail should be "Student Travel Award" followed by the name of the student. The e-mail application must include the following:

- the student's name;
- the name of the programme, department, faculty, and university;
- the title of the PhD or Master's research;
- the name of the student's supervisor(s)/ advisor(s);
- a statement indicating whether the student also intends to apply for a travel award from their IBPSA Regional Affiliate*
- the faculty recommendation letter on university letterhead in PDF format.

* Students are welcome to apply both to IBPSA and to their IBPSA Regional Affiliate, but the awarded amount may be revised if both travel awards are granted.

The selection committee will base its decision upon a review of the letters of support and the final manuscripts. Therefore, **to be eligible the student MUST submit the paper by the conference deadline.**



UPCOMING EVENTS

- SimAUD, 7-9 April 2019, Atlanta, GA – www.simaud.org/2019/
- CIBSE Technical Symposium, 25-26 April 2019, Sheffield, UK – www.cibse.org/symposium
- 26th International Workshop on Intelligent Computing in Engineering, June 30 - July 03, 2019, Leuven, Belgium – eg-ice2019.architectuur.kuleuven.be
- European Conference on Computing in Construction (EC3), 10-12 July 2019, Chania, Greece – More information at ec-3.org/conf2019/
- Building Simulation 2019, 2-4 September 2019, Rome, Italy – buildingsimulation2019.org
- Advanced Building Skins, 28-29 October 2019, Bern, Switzerland – abs.green/home/



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