

People and Buildings

MC2012

A conference for Masters students in sustainable buildings organised by NCEUB

The amount of energy used by a building can vary by 300% or more depending on the habits and behaviour of its occupants. Physics and engineering are important but not enough on their own. People and buildings form a system whose purpose is to provide a safe, comfortable, sustainable and affordable shelter for its inhabitants. A successful building is one which provides the means for those who live in it to achieve these aims and does this with the minimum use of resources.

There are a growing number of Masters courses in the UK and the world which are designed to help students, and in many cases practitioners, to gain the basic knowledge they need to design good low-carbon buildings. At the same time Masters students rarely get an opportunity to present their work except to their fellow students and within the confines of their own University. As a result a lot of interesting work can become locked away – at best in the school archive, at worst only in the memories of the writer, supervisor or examiner.

The process of writing a paper of just a few pages from the wealth of data which one can accumulate in writing a masters dissertation can be challenging and instructive.

This conference will begin to address this situation by providing a forum to discuss short papers by Masters students who are near the end of their course or who have completed in the last two years. The subject of their paper will usually reflect that of their thesis, but may result from other work they have done if this will provide an interesting and informative paper.

The conference will provide a forum for students of different bodies to meet one another and exchange information and discuss important topics. The conference can also provide a forum for students to contact potential employers. All papers and presentations will be uploaded to the NCEUB website.

It is not necessary to offer a paper to attend; a small attendance fee may be made for refreshments on the day.

Papers

Papers should address one or more of the subject areas below and may be by a single individual or by a group. They must be no more than 6 pages in length including tables, figures, references etc. Instructions for layout given in ‘Guidelines for Authors-MC 2012’ will be available from http://www.nceub.org.uk/uploads/MC2012_guidelines.pdf

Please check through you paper with your course tutor before sending.

Prizes will be awarded to the best papers (more details later)

Suggested subject areas

- A. Energy consumption assessment via simulation and measurement, energy audit and energy efficiency
- B. Passive and hybrid strategies for heating and cooling, shading and natural ventilation
- C. Integrated renewable energy, low carbon cooling, solar panels, daylighting and low energy artificial light
- D. Measuring comfort: post occupancy evaluation, indoor air quality, thermal, visual and other subjective surveys
- E. Simulation of occupied buildings, measuring and modelling human behaviour in buildings, embodied energy and thermal mass
- F. BREEAM, LEED, comfort standards, policy and building regulations, passivhaus
- G. Thermal and visual experience as a deliberate element of architectural design
- H. Other subjects in tune with the above

The Timetable for submitting papers is shown overleaf.

How to register for People and Buildings MC2012

Conference to be held on the 18th September
2012, in the graduate centre
(designed by Daniel Libeskind)
London Metropolitan University,
Tower Building, North Campus
166-220 Holloway Road
London N7 8DB

The conference is open to all current students of
appropriate Masters courses or those who have
graduated in the last two years.
You can register online at
[http://www.nceub.org.uk/index.php?n=Network
.ApplyHere](http://www.nceub.org.uk/index.php?n=Network.ApplyHere)

If you have queries about the conference please
contact Prof Fergus Nicol or Dr Luisa Brotas
Low Energy Architecture Research Unit
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Email f.nicol@londonmet.ac.uk,
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Website <http://www.nceub.org.uk/>
Where possible use e-mail for communications



Low Energy Architecture Research uNit



LONDON
metropolitan
university

Provisional Timetable

To participate as an author:

- **15th August** please submit a short (150 words) **abstract**, giving an outline of the subject, method and conclusions of the paper and send it to Prof Nicol or Dr Brotas. We recognise that some authors may not have finalised the data collection and analysis by this stage, the idea is more to get a rough estimate of the range and number of papers we should expect.
- **20th August** you will be informed of the **acceptance** of your paper for development to a full paper
- **10th September** your **paper should be sent to Prof Nicol or Dr Brotas** in the prescribed format electronically to be included in the proceedings.

All papers will be made available on the NCEUB website, along with authors' presentations. This means it can be listed as a published paper in your CV.

Scientific committee: Fergus Nicol, Luisa Brotas, Brian Ford, (Nottingham) Maria Kolokotroni, (Brunel) Andy Ford (Mott \Macdonald) Jake Hacker, (**Arup**) Adrian Pitts, (Huddersfield), Fionn Stevenson, (Sheffield) Malcolm Cook, (Loughborough) Christopher Tweed, (Cardiff) Mary Hancock (Oxford Brookes)



Organised by the Network
for Comfort and Energy Use in Buildings
(www.nceub.org.uk)



2nd People and Buildings Conference for Masters students and recent ex-students



Conference to be held 18th
September 2012, at London
Metropolitan University,

Graduate centre
Tower Building, North Campus
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London N7 8DB

First Announcement
and call for papers