

## People and Buildings

### MC2011

#### 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 try 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 may 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 will 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 are given in ‘Guidelines for Authors-MC 2011’ available from <http://nceub.commoncense.info/uploads/MC2011guidelines.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 MC2011

Conference to be held on the 23rd  
September 2011, at Arup UK, London,  
UK

The conference is open to all current students of  
appropriate Masters courses or those who have  
graduated in the last two years.

To register for the conference please contact:

Professor Fergus Nicol

Low Energy Architecture Research Unit

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Email [f.nicol@londonmet.ac.uk](mailto:f.nicol@londonmet.ac.uk)

Website <http://www.nceub.org.uk/>

Where possible use e-mail for communications

You can register online at

<http://nceub.commoncense.info/index.php?n=Network.ApplyHere>



[www.useefficiency.eu](http://www.useefficiency.eu)



Organised by the Network  
for Comfort and Energy Use in Buildings  
([www.nceub.org.uk](http://www.nceub.org.uk))

## Provisional Timetable

To participate as an author:

- **1st July** please submit a short (150 words) **abstract**, giving an outline of the subject, method and conclusions of the paper and send it to the organisers. 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 to expect at the conference.
- **15th July** You will be informed of the **acceptance** of your paper for development to a full paper
- **September 14th** your **paper (max 6 pages)** **should be sent to the organisers** in the prescribed format electronically to be included in the proceedings.

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

**Organising group:** Fergus Nicol, Luisa Brotas, Brian Ford, Maria Kolokotroni, Susan Roaf, Andy Ford, Jake Hacker, Michael Humphreys, Adrian Pitts, Paul Tuohy, Fionn Stevenson, Malcolm Cook, Christopher Tweed, Mary Hancock

Assisted by **ARUP**



Low Energy Architecture Research uNit



LONDON  
metropolitan  
university



## PEOPLE AND BUILDINGS A conference for Masters Students and recent ex- students



Conference to be held 23rd  
September 2011, at Offices of Arup at  
8 Fitzroy street, London W1T 4BQ

First Announcement  
and call for papers