

International Conference on Sustainability in Energy and Buildings

Invited Sessions

Title of Session: Improving Office Building Energy Performance

Name of Chair: Emeka Efe Osaji

Description:

Office buildings contribute significantly to energy use, but they probably offer the greatest potential for strategies to achieve significant savings. For instance, sustainable design (also called environmental design) can facilitate the design and operation of energy efficient office buildings when the following sustainable design principles are implemented successfully:

- Site considerations (including location and weather, microclimate, site layout and orientation)
- Built form (including shape, thermal response, insulation and windows/glazing)
- Ventilation strategy
- Daylighting strategy
- Services strategy (including plants and controls, fuels and metering)

However, there are still several instances where significant discrepancies occur between the predicted and actual energy use of office buildings despite the implementation of these sustainable design principles.

Theme and scope:

Therefore, this special session will facilitate the dissemination of knowledge about the best ways to improve office building energy performance.

Original papers on a range of topics related to this special session's theme, that is, **Improving Office Building Energy Performance** are invited for consideration. These original papers can focus on any of the following:

- Applications
- Case studies
- Critical review of literature
- Frameworks
- Methodologies

Paper formatting and submission instructions:

Paper formatting instructions can be found at this link: <http://seb.sustainedenergy.org/submission.php>

Submission procedure:

Papers should be submitted at <http://www.prosemanager1.co.uk/seb12/submitpaper.asp> On this webpage, authors should select 'Improving Office Building Energy Performance' from the drop-down menu for Session Name, and should also complete all other requested information.

Important dates and deadlines:

- Submission of full papers for review: 1 May 2012
- Notification of acceptance: 1 June 2012
- Upload of final camera-ready publication files: 1 July 2012

Website URL (if any):

Email & Contact Details: e.osaji@wlv.ac.uk