



SimBuild 2012

5th National Conference of IBPSA-USA
August 1 - 3, 2012 – Madison, WI



Call for Abstracts

IBPSA-USA is soliciting abstracts for its fifth biennial conference on building performance simulation, SimBuild 2012. Please note that December 1st, 2011 is the deadline for all abstracts.

The conference organizers are limiting the number of peer-reviewed oral presentations in order to maintain a high level of quality in the papers. Submissions will therefore be rigorously peer-reviewed. Paper submissions should deal with computer-based building performance simulation (BPS) with the scope ranging from individual building components to whole buildings and neighborhoods. Basic phenomena of interest include the modeling of heat and mass transfer, air movement, natural and electric light as well as controls and occupant behavior. Other suitable topics include new developments in tools for modeling and simulation, automated optimization during design and operations, stochastic modeling and data visualization, the generation of climate datasets and successful applications of BPS in design practice (case studies), incentive programs, building operations and education.

In addition to the technical papers, a limited number of non-peer-reviewed oral presentations will be sought in order to enable practitioners and researchers to address simulation-related issues such as: the future of BEM software; modeling controls in BEM software; use of simulation in real-time to support building operation; dealing with uncertainty in building performance simulation; validation, calibration and verification of simulation using real time data; model predictive control in buildings; use of BEM in a building system fault finding capacity; appropriate modeling for the different phases of a building design; and case studies of the application of modeling in building design.

The meeting is open to all, world-wide. Madison is located in the middle of the US near to Chicago and Minneapolis. The conference will be held at The Madison Concourse Hotel in downtown Madison.

Submission of Abstracts:

Abstracts are due by December 1st, 2011 and should be a maximum of 200 words. Abstracts should be submitted through the SimBuild 2012 website. Please check back to the conference website for submission details at www.ibpsa.us/simbuild2012

Key Dates:

October 4th, 2011 Call for abstracts
December 1st, 2011 Abstracts due
December 31st, 2011 Abstract acceptance
February 28th, 2011 Papers due
Mar 31st, 2011 Paper reviews provided to authors
Apr 30th, 2011 Revised papers due
May 31st, 2011 Final decisions on all papers
Aug 1 - Aug 3 SimBuild 2012 conference

Organizing Committee:

Conference Chair: Timothy McDowell,
Thermal Energy System Specialists, LLC
Scientific Committee:
D. Michael Utzinger, Chair, University of
Wisconsin - Milwaukee
Zheng O'Neill, United Technologies Research
Center
Christoph Reinhardt, Harvard Graduate School
of Design
Michael Wetter, Lawrence Berkeley National
Laboratory
David Bradley, Thermal Energy System
Specialists, LLC