



Issue 9
October 2013

IBPSA-USA Newsletter



Meeting of CHIBPSA, the Chicago chapter of IBPSA-USA.

Upcoming Events

ASHRAE/IBPSA-USA Conference, abstracts due, Nov. 4, 2013
IBPSA-USA semi-annual meeting, New York, NY, Jan. 18, 2014
ASHRAE conference, New York, NY, Jan. 19-22, 2014

About this Newsletter

The IBPSA-USA Newsletter will be published every 3 months to inform its membership about current and emerging events in building simulation. To submit articles, send email to newsletter@ibpsa.us

2014 ASHRAE/IBPSA-USA Building Simulation Conference

The 2014 ASHRAE/IBPSA-USA Building Simulation Conference will be held September 10 - 12, 2014 in Atlanta, GA. The conference combines the IBPSA-USA SimBuild and ASHRAE Energy Modeling Conferences.

There are two ways to participate:

- **Reviewed and published papers:** 400 word abstracts are due Nov. 4, 2013.
- **Non-paper presentations:** A call for presentation proposals will be issued shortly.

For details and abstract submission procedures, see:
<http://www.ashrae.org/Simulation2014>

Chicago Chapter

CHIBPSA, the Chicago chapter of IBPSA-USA, held its first public meetup on September 10th at Rokit Bar & Grill in Chicago. The event was timed to coincide with the USGBC Greening The Heartland event.

This was a social networking event, an opportunity for interested professionals to learn more about IBPSA and the Chicago chapter and to meet the acting officers. 25 people attended, and provided excellent feedback to help shape the chapter.

The chapter's next event will be held on Thursday October 24th, from 6-8 pm, at the offices of PositivEnergy Practice, 115 S. LaSalle Street, Suite 2800, Chicago. There will be a presentation from Oliver Davis and Matt Brown from concept 3D,

the developers of the simuwatt Audit tool.

This software is being developed in partnership with NREL and will incorporate geometric capture, the Building Component Library, OpenStudio and EnergyPlus. The purpose is to standardize the commercial building energy audit process, to make it more collaborative and consistent, and to reduce the cost for investment-grade energy audits.

Please contact the chapter's acting outreach chair, Craig Burton at cburton@pepractice.com to attend.

CHIBPSA will hold elections for the 2014 board later this year. To express interest in serving or to make a nomination, please contact the chapter's acting president, Matt Huffman at mhuffman@murphymiller.com.

New York and San Francisco Chapter



Meeting of the New York and San Francisco Chapters.

The New York Chapter of IBPSA USA kicked off a series of talks called "Innovative Ways to Visualize Building Performance Data" in an event that was co-hosted by the San Francisco Chapter. This event was held on September 17th at the offices of

Arup in New York and at Integral Group in San Francisco.

While visualization is key to getting a point across to both technical and non-technical audiences and plays a major role in the design processes, it is also often under discussed in our industry. The aim of this series of talks is to shift the focus from simulation tools to visualizing the results we generate from all these different tools and analyses.

These talks should pull back the covers on it.

The kickoff event generated a tremendous response from attendees all over the world. Kyle Steinfeld, an Assistant Professor specializing in digital design technologies at the Department of Architecture at the University of California Berkeley presented a new prototyping visualization toolkit called "Dhour", developed for the Grasshopper visual programming environment. He was followed by Neil Katz, an architect at Skidmore, Owings & Merrill who highlighted examples of visualizing energy and lighting analysis results through color-coded graphs, mapping results onto visually-identifiable building models, and even animating the results through time.

Boston Chapter

On September 18th, the IBPSA-Boston chapter held a public event at the Harvard Graduate School of Design.

The event primarily focused on individuals reporting from this year's Building Simulation 2013 Conference in Chambéry, France. Moreover, a selected group of attendees to the Conference briefly presented key findings from a conference paper or papers that each found most interesting, relevant and

groundbreaking. Following each report, the floor was open for Q&A with the audience. Discussion focused on the potential impact of these findings on the future of professional practice. The meeting was attended by nearly 50 building science academics and professionals from the Boston and New England region.

The speakers for the event were:

Carlos Cerezo
PhD student, MIT
Timur Dogan
PhD student, MIT
Diego Ibarra
PhD student, Harvard GSD
Nathaniel Jones
PhD student, MIT
Tarek Rakha
PhD student, MIT
Christoph Reinhart
Professor, MIT
Brian Simmons
Retroficiency, Boston

Additionally, this event included a brief introduction of the new leadership group for the IBPSA-Boston Chapter. This group includes:

Seth Holmes (President),
Arta Yazdanseta (Vice President),
Eric Studer (Treasurer),
Alejandra Menchaca (Secretary),
Apoorv Goyal (Outreach Chair),
Brian Simmon (A/V Engineer),
and the new Technical Advisory committee which includes
Holly Samuelson,
Diego Ibarra,
Christoph Reinhart, and
Chris Schaffner.



BEMBook Workshops

IBPSA-USA presents several workshops about Building Energy Modeling. These workshops cover modeling fundamentals, ASHRAE 90.1 performance rating, modeling best practices, modeling to inform design and measurement & verifications. Slides can be downloaded from http://www.bembook.ibpsa.us/index.php?title=Workshop_Downloads

The next workshop is as follows:

January 21, 2014, New York City
ASHRAE Winter Meeting
Instructors: Erik Kolderup, Annie Marston

For future workshops, visit http://www.bembook.ibpsa.us/index.php?title=Workshop_Plan_and_Status

