

IBPSA-USA, Houston Chapter Quarterly Publication Newsletter

International **B**uilding **P**erformance **S**imulation **A**ssociation

"IBPSA is a non-profit international society of building performance simulation researchers, developers and practitioners, dedicated to improving the built environment."



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Ready to be certified ?

The much awaited certifications for building energy analysts are finally on the horizon. 2010 would see the launch of two certifications for building energy analysts: **ASHRAE's Building Energy Modeling Professional Certification & AEE's Building Energy Simulation Analyst Professional Certification Program.**

ASHRAE has developed BEMP with IBPSA-USA and IESNA and plans to launch its first exam at its winter conference in Orlando, FL in January. The exam intends to extensively cover all topics relevant to building energy simulation and how it relates to measurement and verification practices. It is divided into four sections:

- Establishing the modeling scope: how modeling objectives and project scheduling relate to analysis methodology selected and tools used,
 - Components of building and energy systems: envelope, lighting, HVAC, district energy, renewable energy systems and controls
 - Applications of energy models for buildings: simulation comparisons, metrics for energy performance, adaptive simulation techniques
 - Interpretations of energy model results: verification, economic and sensitivity analyses.
- The certification would need renewal every 3 years with professional development hours.

AEE would launch BESA in May, 2010 at the West Coast Energy Management Congress (EMC) in Seattle, WA. The exam needs to be taken after a required preparatory seminar.



Source: <http://blog.angiejordan.com/2009/04/digital-graduation-cartoon/?wscr=1152x864>

Currently no standards exist in US that certify building energy analysts. By establishing credentials, the two certifications should accelerate adoption of building performance tools by the building industry for design purposes. This would also promote competition and quality control. Since green building certifications, like LEED, rely on ASHRAE and IESNA for reference standards, either of the above certifications or both may be adopted by certifying bodies as a requirement. In the near future, credentials like these may also become necessary for pursuing energy incentives that require energy models.

For details of these certifications, please refer to:

<http://www.ashrae.org/certification/page/2491>

<http://www.aeecenter.org/certification/BESApag e.htm>



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Simulation Research

A list of events and references for keeping you updated with building performance simulation:

The 11th International Building Performance Simulation Association Conference and Exhibition – Research papers at:

http://www.ibpsa.org/m_bs2009.asp

ASHRAE 2010 Winter Conference

Orlando, Florida, USA

<http://www.ashrae.org/events/page/1964>

Jan 23-27, 2010

EPA Indoor Air Quality Tools for Schools, National Symposium

Washington DC, USA

<http://www.iaqsymposium.com/>

Jan 14-16, 2010



Source:

http://davidzondy.com/ephemeral/archive/2007_08_01_archive.html

Call for Articles

This newsletter serves as a wonderful tool to circulate useful information and upcoming events across the modeling community. Its an interactive publication with all of us sharing useful information to educate and elevate our service standards.

If you have any information about an upcoming event that you think would interest our readers, or an article you would like to see published in this newsletter, please forward it to **Richard Stalnaker**, rstalnak@rbengineers.com, newsletter editor. All comments and information are greatly appreciated. Please include name, address, phone number and email address for source identification.

Have Others Join Our Distribution List

This newsletter is a free monthly publication for the building modeling community. If anyone you know would like to receive this publication, please send their name and email address to Richard Stalnaker rstalnak@rbengineers.com.

Are You a Member???

To become a member, simply fill out the application form found at the address below:

<http://www.ibpsa.us/membership.shtml>

Existing members may use the form to renew their membership or update their contact information.