

Minutes of IBPSA-USA Emerging Simulation Technology Research Subcommittee

Time: 1pm - 2pm EDT 6/11/2015

Participants:

Nathaniel Jones (MIT) (chair)
Jeffrey Boyer (dbHMS)
David Bosworth (BUILDlab)
Scot Halverson (LANL)
Sen Huang (Miami)
Wangda Zuo (Miami)

Absent:

Michael Georgescu (UCSB)
Nicholas Long (NREL)
Jibonananda Sanyal (ORNL)
Michael Wetter (LBNL)

Location: GoToMeeting

Notes:

News

The IBPSA-USA Research Committee's website now lists the Emerging Simulation Technology subcommittee (<http://www.ibpsa.us/committee/research-committee>). The mission statement is given, but the rest of the content is still weak.

The IBPSA-USA Research Committee is putting together a seminar proposal for the 2016 ASHRAE Winter Conference in Orlando (January 23-27, <http://ashraem.confex.com/ashraem/w16/cfp.cgi>). The Committee is soliciting the subcommittees for suggestions of seminar topics and panelists.

Website

The website needs to be populated with content. One possibility is to create a newsfeed for the website, if the host will support this. Twitter and LinkedIn might also provide appropriate methods for publicizing related research. Conference and journal papers would be a good source of content, as well as information on current projects. Arpan Bakshi's work at SOM was mentioned as an example.

Conferences

Wangda Zuo will propose a seminar for the 2016 ASHRAE Winter Meeting under Track 6: Cutting-Edge Technologies to TC 4.7. This topic covers creative ways to achieve net-zero buildings and seems to be the best fit for simulation technologies. Each seminar proposal should include up to four speakers, each of whom will speak for 20-30 minutes. The committee has the option to submit more than one proposal.

The subcommittee discussed two possible topics. The first is case studies of projects that use simulation in new and interesting ways in order to overcome hurdles. The second is GPU and low-cost computing.

ASHRAE talks cannot promote software, but they can discuss goals and how software is used to achieve those goals. Talks should focus on simulation as an enabler that can give guidance to designers.

Actions:

- Nathaniel will add subcommittee members' contact information to the website.
- Nathaniel will contact Mike Barker about using the IBPSA LinkedIn group or another forum to feature relevant journal and conference papers.
- Subcommittee members should submit interesting and relevant work that could be features on the website or newsfeed to Nathaniel.
- Subcommittee members should submit ideas for potential ASHRAE seminar speakers to Wangda.
- Wangda will submit a seminar proposal to TC 4.7.

Next meeting:

To be determined by poll.