

Minutes of IBPSA-USA Emerging Simulation Technology Research Subcommittee

Time: 1pm - 2pm EDT 9/26/2016

Participants:

Nathaniel Jones (MIT) (chair)
Mohamed Aly (AUC, RPI)
Sen Huang (Miami)
Neil Katz (SOM)
Demian Kuhlen (Guttman & Blaevot)
Joshua New (ORNL)
Zheng O'Neill (Alabama)
Justin Shultz (SOM, RPI)
Michael Wetter (LBNL)
Wangda Zuo (Miami)

Location: GoToMeeting

Notes:

Building Simulation 2017

IBPSA's next international conference, [Building Simulation 2017](#), will be held in San Francisco on August 7-9. The conference will offer a track for oral presentations without associated papers. These may be stand-alone talks, team case studies, debates, forums, or mini-workshops. Proposal submission will open in October, and proposals will be due in early 2017.

The subcommittee discussed several ideas for presentations, including:

- A forum discussion to understand the legalese behind software licenses and the implications of open source software.
- A seminar on drones as sensing technology.
- A seminar on design and simulation of building for indoor agriculture or that are involved in growing things.
- A forum or tutorial session on using Grasshopper or other frameworks to create custom simulation tools.
- A seminar or forum on development of open data repositories and reproducible reports.
- A tutorial on putting data back into simulation.
- A seminar on cybersecurity of automated building management systems.
- Case studies or tutorials that give high-level understanding of what can be done with simulation software.

Subcommittee members are asked to help develop these or other topics for presentation. Proposals should identify individuals who can present on each topic and serve as moderator. Consideration should be given to creating engaging presentations and including international speakers.

Actions:

- Subcommittee members will develop proposals for presentations including names of potential speakers.
- Subcommittee members will suggest future events that the subcommittee may publicize or participate in.

Next meeting:

To be determined by poll.