# Minutes of IBPSA-USA Emerging Simulation Technology Research Subcommittee

**Time:** 11am - 12pm PST 08/14/2018

**Participants:**
Nathaniel Jones (Arup) (co-chair)
Sen Huang (PNNL) (co-chair)
Amir Rezaei (CannonDesign)
Demian Kuhlen (Guttmann & Blaevoet)
Zheng O'Neill (University of Alabama)

**Location:** GoTo Meeting

**Notes:**

*Blog*
The subcommittee is interested in developing a blog to report on new tools in the building simulation space. The blog would promote awareness of emerging tools and offer independent reviews. It could be modeled after AECbytes or Amir Roth's DOE updates. Some considerations in creating the blog are:

- Software critiques should be honest and balanced. Overly positive critiques could appear to be commercial, while overly negative critiques could hurt new software getting off the ground.
- A disclaimer regarding commercialism should be discussed.
- Reviewers may reach out to software developers before reviewing their products. Stories about developers may also be of interest.

Members have expressed interest in certain tools:

- Jones: OCUVIS
- Kuhlen: Andrew Marsh web tools or Ladybug tools
- Huang: Modelica
- Rezaei: CoveTool

*Conferences*
The subcommittee will meet in person at SimBuild. The likely time is during lunch on Thursday. This meeting will serve as a recruitment opportunity and opportunity for further discussion of the blog concept. It will also be an opportunity to brainstorm a list of emerging tools and to discuss interesting tools and projects under development by attendees.

Huang suggested a panel discussion to connect software developers and users. The subcommittee hasn not committed to proposing a panel for Building Simulation 2019, and most subcommittee members do not plan to attend.

*Whitepaper*
The subcommittee has not advanced the literature review on the states of the art and practice with regard to emerging simulation technologies, as no members have the bandwidth to take on the project. If the project is to move forward, it will likely require student work to create the first draft.

**Actions:**

- Members in attendance will draft content for the assigned topics.
- Jones to confirm meeting time at SimBuild and request announcement in conference slide loop.
- Subcommittee members will suggest future events and webinars that the subcommittee may publicize or participate in.

**Next meeting:**

In person at SimBuild.