



RCN-SEES: Predictive Modeling Network for Sustainable Human – Building Ecosystems

Call for Workshop on:

Human Behavior & Building Energy Model Integration and Validation (Theme V)

This NSF – funded Research Coordination Network (RCN) in Science, Engineering and Education for Sustainability (SEES) announces its third workshop on one of the themes: **Human Behavior & Building Energy Model Integration and Validation**. Participants are invited to submit an abstract of about 500 words for engaging discussions and presentations describing how the network researchers should be collaborating in the following, but not limited to aspects related to human behavior and building energy modeling:

- Integration of human dimension in product and process modeling in green building design
- New modeling methodology
- Integration of interdisciplinary data models
- Validation of model predictability
- Analysis of model integration techniques
- Dynamic life cycle energy information modeling

Important dates

RCN-SEES-SHBE Workshop	April 2 – 3, 2015*	April 2, 2015 – Thursday
Abstract submission deadline	February 20, 2015	All day workshop
Registration Deadline (No registration fee)	March 2, 2015	Breakout sessions Roundtable discussion

Submit your RSVP, Registration and/or Abstract via web at:

<http://buildsim.cbpd.arc.cmu.edu:8008/RCN-SEES/register.html>

April 3, 2015 – Friday
Half day workshop
Conclusion

Host: Carnegie Mellon University

Organizers:

- Khee Poh Lam, Carnegie Mellon University
- Yong Tao, University of North Texas
- William Tolone, University of North Carolina at Charlotte
- Wei Yan, Texas A&M University
- Thomas Spiegelhalter, Florida International University

Workshop Venue:

Lawrence Berkeley National Laboratory
1 Cyclotron Rd, Berkeley, CA
94720

Theme V: Model Integration and validation

The ultimate goal of this network effort is to explore the new modeling methodology that enables the effective integration of interdisciplinary data models and rigorous validation of model predictability. This theme focuses on the analysis of model integration techniques, developed at the different disciplinary interface, advancement of those techniques in the human-building ecosystem level, and validation mechanism through network activities.

**The workshop is preceded by the International Energy Agency Annex 66 1st expert meeting & technical forum held in the same venue March 31 – April 1, 2015*