



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

### Call for Abstracts for Workshop on: Interdisciplinary Data Structure for Collaborative Research in Sustainable Human-Building Ecosystems (SHBE)

This NSF – funded Research Coordination Network (RCN) in Science, Engineering and Education for Sustainability (SEES) announces its Seventh workshop on a special topic that leverages the network participants’ activities in another NSF sponsored project, “Virtual Information-Fabric Infrastructure (VIFI) for Data-Driven Decisions from Distributed Data,” in which RCN is part the working group.

Participants are invited to submit an abstract of no more than 500 words for engaging discussions and presentations describing what drives the data and models from a specific research domain to an integrative, interdisciplinary platform that requires at least one technical discipline and one social science discipline in the context of understanding the fundamentals of sustainability science and its application to the building design, development and operation. The following are suggested topics of discussion:

- Types of research data and models in architectural design, building engineering and technology, computer science, power systems and demand response, occupant behaviors, energy efficiency, information technologies, sociology, psychology, communication, policy and others. Examples of models include, but not limited to, Building Energy Modeling (BEM), Building Information Modeling (BIM), Green Building XML (gbXML), Agent-based Modeling (ABM), Human Behavior, etc.
- Needs and challenges to access the data and models from case studies.
- Demonstration of or participation in case studies for the VIFI platform.
- Innovative approach to address the dynamic data collection and analytics within time constraints.

#### Important dates

RCN-SEES-SHBE Workshop VII	June 5-6, 2017
Abstract submission deadline (extended)	April 24, 2017
Registration Deadline (No registration fee)	May 12, 2017

June 5-6, 2017  
Monday-Tuesday

One and a half days  
workshop

Submit your RSVP, Registration and/or  
Abstract via web at: [shbe@nova.edu](mailto:shbe@nova.edu)

**Chair:** Yong X. Tao, Nova Southeastern University

#### Advisory Committee:

- Laura Arpan, Florida State University
- Yimin Zhu, Louisiana State University
- Omer Karaguzel, Carnegie Mellon University
- Mirsad Hadzikadic, Univ. North Carolina, Charlotte
- Wei Yan, Texas A&M University
- Chien-Fei Chen, University of Tennessee, Knoxville.

**Staff Support:** Suraj Talele, [stalele@nova.edu](mailto:stalele@nova.edu)

#### Workshop Venue:

Fort Lauderdale, FL  
Nova Southeastern  
University