



RCN-SEES-SHBE



RCN-SEES: Predictive Modeling Network for Sustainable Human-Building Ecosystems (SHBE)

Workshop on Understanding Human Behaviors for Sustainable Building Ecosystems

This NSF-funded Research Coordination Network (RCN) in Science, Engineering and Education for Sustainability (SEES) announces its second workshop on one of its five themes: **Human Behaviors**. Invited participants are requested 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:

- How to promote research collaborations to understand human behaviors for sustainable building ecosystems?
 - * What are the appropriate methodologies for forming research collaborations?
 - * What are the appropriate tools and platforms for enabling research communication and coordination?
 - * How to verify and validate research collaboration methodologies, tools and platforms?
- What are the important research questions related to understanding occupant behaviors and increasing human adaptation to sustainable building ecosystems?
 - * Identifying appropriate methodologies and technologies for observing and measuring the behaviors of building occupants
 - * Understanding how to engage and motivate building occupants in order to maximize awareness and adaptation for sustainable building ecosystems
 - * Identifying the requirements for human behavior modeling and analysis - what are the right methods?
 - * Understanding how people make decisions and how to incorporate human motivations, perceptions and biases into models for predicting the performance and adaptation of sustainable building ecosystems

Important Dates

RCN-SEES-SHBE Workshop 2 (invitation only)	May 27-28
Abstract Submission Deadline	April 28
Workshop RSVP Deadline	April 28

Venue

University of North Carolina at Charlotte
Center City Campus
320 E. 9th Street
Charlotte, NC 28202

Travel and Accommodations

Nearest Airport: Charlotte Douglas International Airport
Center City Hotels: [Charlotte Chamber Website](#)



Submit Abstracts & RSVPs via email:

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Organizers:

William J. Tolone, UNC Charlotte
Mirsad Hadzikadic, UNC Charlotte
Carol Menassa, University of Michigan
Laura Arpan, Florida State University
Rudi Thompson, University of North Texas

Agenda

May 27, 2014
Arrival & Registration
Afternoon Half Day Workshop
Evening SHBE Steering Committee Meeting

May 28, 2014
Full Day Workshop
Breakout Sessions & Roundtable Discussions
Research Coordination

Theme II: Human Behaviors

Quantification of human behaviors within the building ecosystem context; Human behavior and building control; Thermal comfort characterization with physiological models.

Theme I: Physical Systems & Environment	Theme III: Social/Policy impacts	Theme IV: Life-Cycle Assessment & Business ecosystem	Theme V: Model Integration and Validation
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