



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

Theme: Enhancing Interdisciplinary Education and Diversity in Education (Theme VI)

Date: September 30-October 1, 2016 **Venue:** NSF-ERC CURENT, University of Tennessee,

Location: 124 Min H. Kao Building, Department of EECS, UTK

Time	Friday, September 30, 2016
7:45am – 8:45am	Registration and Continental Breakfast in 121 Min H. Kao
8:45am - 9: 15am	Welcome remarks by <i>Chien-fei Chen, University of Tennessee</i>) & <i>Yong Tao, Nova Southeastern University (PI for this group)</i> Opening remarks by Vice Chancellor for Research & Engagement, <i>Taylor Eighmy, University of Tennessee</i>
9:15am - 9: 40am	Keynote: Integrating Cross-Institutional Interdisciplinary Engineering Education/Research Challenges and Strategies, <i>Keith Roper, National Science Foundation</i>
9:40am – 9:50am	1. Interdisciplinary Education in Architectural Design, Building Engineering and Technology AMIE as a Learning Tool, <i>Melissa Voss Lapsa, Oak Ridge National Laboratory</i>
9:50am - 10:00am	2. Interdisciplinary Education and Research into Occupant-Building Microclimate, <i>Michael Dorneich, Kelly Kalvelage, Ulrike Passe, & Caroline Krejci, Iowa State University</i>
10:00am - 10:10am	3. Lessons Learned from Teaching Infrastructure Sustainability to Engineering Students, <i>Carol Menassa, University of Michigan</i>
10:10am - 10:20am	4. Understanding Sustainable Building Design and Construction with Interdisciplinary Learning, <i>Shahin Vassigh, Florida International University</i>
10:20am - 10:30am	5. Assessment of Predicted Versus Measured Thermal Comfort in Office Buildings in the Temperate Climate of Charlotte, NC, <i>Mona Azarbayjani, UNC Charlotte, & Julia Day, Kansas State University</i>
10:30am - 11:20am	Poster Session 1 & Network Time
11:20am - 11:30am	6. Behavior Driven Transactive Energy for Residential Buildings, <i>Bing Dong, University of Texas</i>
11:30am - 11:40pm	7. Demand Response Estimation Based on Aggregate Demand from Heterogeneous Users, <i>Donatello Materassi, University of Tennessee</i>
11:40pm - 11:50pm	8. A Mechanism for Incentive Based Demand Response, <i>Qinran Hu, Harvard University</i>
12:00pm -1:00pm	Lunch at Commons 6th Floor Min H. Kao
1:00pm - 1:10pm	9. The Role of Communication in Interdisciplinary Education Efforts Related to Sustainable Energy Behavior, <i>Laura Arpan, Florida State University</i>
1:10pm - 1:20pm	10. The Value of Social Psychology for Improving Building Modeling, <i>Alexander Ryan Maki, Vanderbilt University, & Chien-fei Chen & Xiaojing Xu, University of Tennessee</i>
1:20pm - 2:20pm	Poster Session 2 and Network Time
2:20pm – 4:00pm	Panel Discussion/Breakout for Interdisciplinary Research and Education
4:00pm – 5:15pm	CURENT Lab Tour
6:30 pm - 8:30 pm	Dinner at Café 4 at Market Square



Time	Saturday, October 1, 2016
8:00am - 8:45am	Continental Breakfast
8:45am - 9:15am	Keynote: Strategies for Recruiting Targeted Populations, <i>Bevlee A. Watford, Virginia Tech</i>
9:15am - 9:35am	11. A Multidisciplinary Research Approach to Energy-Related Behavior in Buildings, <i>Simona D'Oca & Tianzhen Hong, Lawrence Berkeley National Laboratory</i>
9:35am - 9:55am	12. Estimating Demand Response to Utility Incentives, <i>Kevin Tomsovic, University of Tennessee</i>
9:55am - 10:15am	13. Workplace Dynamics - Understanding Productivity in Relation to Choice of Space, <i>Jian Huang, University of Tennessee</i>
10:15am - 10:35am	Network Time
10:35am - 11:45am	Panel Discussion/Break Out for Interdisciplinary Research and Education
11:45am - 12:00pm	Summary and Conclusion by All Participants
12:00pm – 12:45pm	Lunch or lunch to go
12:45 pm – 2:00pm	Steering Committee Meeting

Additional Information:

Hotel: Four Points by Sheraton Knoxville
Cumberland House Hotel (Group Code: RCN-SHBE)

This workshop is in part supported by NSF-DOE funded engineering research center, NSF-DOE Center for Ultra-wide-area Resilient Electrical Energy Transmission Networks (CURENT), Department of Electrical Engineering and Computer Science, 1520 Middle Dr. University of Tennessee
<http://curent.utk.edu>

Contacts:

- Workshop Chair: Chien-Fei Chen 509.432.5075 (cell)
Education and Diversity Director, Research Assistant Professor, CURENT
- Workshop Assistant, Wendy Smith: 865-805-0792 (cell)
- Workshop Assistant, Jackson Lanier 615-689-2754 (cell)
- CURENT Education Coordinator: Erin Wills 865.974.9401 work / 423.612.0611 cell