



# RCN-SEES-SHBE

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

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## WORKSHOP 5, THEME III

Hosted by:

**Florida State University**  
**Askew School of Public Administration and Policy**  
**Devoe Moore Center 150E, Bellamy Building**  
**Thursday, May 19 – Friday, May 20, 2016**

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Onsite Registration opens at 11:30 a.m.

### **Lunch and Welcome, 11:45 a.m. - 1:00 p.m.**

- ❖ Welcome and intro, 12:30 - 1:00 p.m.  
*Yong Tao, University of North Texas (UNT) and Rick Feiock, Florida State University (FSU)*

### **Panel A: New Data and Tools, 1:15 - 2:20 p.m.**

- ❖ City level data models and the Integrated City Sustainability Database  
*Rachel Krause, University of Kansas*
- ❖ Enhancing Sustainability Building Modeling Through Text Analytics  
*Tony Kassekert, The George Washington University and Jessica N. Terman, George Mason University*

### **Panel B: Modeling individual behavior in response to policy, 2:30 - 4:00 p.m.**

- ❖ The Role of Information in Energy Policy Participation Decisions at the Individual Level  
*Cali Curley, Indiana University—Purdue University, Indianapolis (IUPUI)*
- ❖ Agent Based Model of Stakeholder Interactions in Sustainable Building Retrofit Decisions  
*Carol C. Menassa, University of Michigan*
- ❖ Energy Audits and Homeowner Energy Conservation Behavior: A Research Design  
*Rick Feiock, FSU and Cali Curley, IUPUI*

### **Panel C: Updates from Each of the SHBE Themes, 4:10 - 5:30 p.m.**

- ❖ Theme I: Building physical system and environment modeling
- ❖ Theme II: Human behavior modeling
- ❖ Theme III: Social/policy impact modeling
- ❖ Theme IV: Dynamic life cycle assessment (LCA) and business ecosystem modeling
- ❖ Theme V: Model integration and validation
- ❖ Theme VI: Sustainability Education

**SHBE Steering Committee Meeting, 6:30 p.m.**

*Location: Nefetari's*

*812 S. Macomb St.*

*Tallahassee FL, 32301*

*Phone: (850) 210-0548*

Workshop participants will dine on their own (restaurant list will be distributed)

**Friday, May 20, 2016**

**Breakfast, 8:00 - 9:30 a.m.**

**Panel D: University, City and County Government Programs, 8:30 - 9:50 a.m.**

- ❖ Campus Building Energy Innovation  
*FSU Office of Sustainability*
- ❖ Community Policy Innovation  
*John Baker, Community Development, City of Tallahassee*
- ❖ The Tallahassee Neighborhood Energy Challenge  
*Will Swann, University of Colorado Denver*

**Panel E: Social Factors and City Variation in Green Building Policies, 10:00 - 11:20 a.m.**

- ❖ Fragmented Cities, Social Inequality and the Demand for Green Building Policies  
*Aaron Deslatte, Northern Illinois University and Kathryn Wassel, FSU*
- ❖ City Characteristics that Influence City Participation in Building Sustainability Programs  
*Christy Cooksey, UNT*
- ❖ The Effect of Natural Disasters on Climate Actions of Municipalities: Climate Change and Building Mitigation and Adaptation  
*Simon A. Andrew, UNT, KyungWoo Kim, UNT, and Edgar Ramirez de la Cruz, CIDE Mexico*

**Panel F: Laboratory, Field, and Survey Experiments to Investigate Conservation Behavior, 11:30 a.m. - 1:00 p.m.**

- ❖ Fundamentals of Environmental Decision Making (including energy consumption, etc.) that Improve Policies  
*Svetlana Pevnitskaya, FSU*
- ❖ Research Design for A Behavioral Field Experiment on Residential and Small Commercial Energy Savings  
*Laura Magee, FSU*
- ❖ High Powered Incentives and Local Officials Interest in Conservation Innovation: A Survey Experiment  
*Namhoon Ki, FSU*

**Lunch and Group Breakout Sessions, 1:00 - 2:15 p.m.**

**Breakout reports, Workshop Wrap-up and RCN Agenda, 2:30 - 3:45 p.m.**

*Yong Tao, UNT*