



## **Workshop**

# **Using campus as a living laboratory: Potential for research, education, and campus sustainability**

Host: Institute for Sustainability, Energy, and Environment (iSEE)

Time and Date: 9 a.m.-2 p.m. Wednesday, Oct. 11, 2017

Transforming university campuses into “living laboratories” is a timely, important issue for sustainability research and education, as well as campus sustainability enhancement. The Illinois campus has committed to promoting and achieving sustainability via hundreds of campus sustainability projects tracked online in the Illinois Climate Action Plan (iCAP) Portal (<https://icap.sustainability.illinois.edu>). These projects, many based on unique facilities/program on campus, have great value for developing research and education projects targeting external resources. On the other hand, the realization of many campus sustainability objectives will need research support. Recently, iSEE has mapped the relevance of more than 500 iCAP projects to a number of national research programs (<https://icap.sustainability.illinois.edu/project/national-research-programs>). Meanwhile, a number of research projects at campus have already shown the promising connections to the iCAP projects.

This workshop invites researchers to present their work that uses campus as living laboratory. It also invites University administration and faculty to discuss how to integrate campus sustainability with research and education so that the two elements can benefit each other. Through this workshop, we call for strengthening the engagement of students, faculty, staff, and community stakeholders to go beyond our current practices.

The supporting materials for the workshop, “Review of Campus Sustainability Programs: Opportunities for Education and Research” and “Overviews of Campus Sustainability Projects at Illinois: Opportunities for Education and Research” can be found from the following websites:  
<https://uofi.app.box.com/s/bxfqwe7i6ch1htvye7grpzibiwgnz9j>  
<https://uofi.app.box.com/s/wtxfoypd8x1jb75ysx6xltxaywkhwvly>

During the workshop, iSEE will announce a seed funding program to promote research on sustainability using campus as living laboratory. The documents on the seed funding program — guidelines and the agenda of this meeting, along with a list of national research programs with active or upcoming funding calls — can be found at <http://sustainability.illinois.edu/seed-funding-program-highlights-campus-as-living-lab-workshop/>.

## **Agenda for Workshop — Using Campus as a "Living Laboratory"**

**9 a.m.-2 p.m. Wednesday, Oct. 11 — Illini Union Room A**

9-9:10 a.m..... Registration

9:10-9:25 a.m. .... Opening address, Donald Wuebbles

9:25-10:45 a.m..... Invited presentations

9:25-9:37: Mark Taylor — Using the Gable Home

9:38-9:50: Kevin O'Brien — Abbott Power Plant

9:51-10:03: Yu-Feng Forrest Lin — Geothermal Pilot Project

10:04-10:16: Phil Krein — Rapid Renewable Energy Variation

10:17-10:29: Yun Kyu Yi — Real-time Meter Data Calibration Tool

10:30-10:42: Ravishankar K Iyer — Attacking Supercomputers

10:45-11 a.m..... Break

11 a.m.-12:30 p.m..... Invited presentations

11-11:12: Erica Myers — Behavioral Interventions for Energy Consumption

11:13-11:25: Xinlei Wang — AESB Energy Reduction

11:26-11:38: Thomas Over and Eleanor Blackmon — Hydraulic Design Model

11:39-11:51: Wen-Tso Liu — Tap Water during Stagnation

11:52-12:04: Sarah Taylor Lovell — Woody Polycultures at the Energy Farm

12:05-12:17: Michelle Wander — Food Consumption in Campus Dining Halls

12:18-12:30: Brenna Ellison — Food Waste Prevention on Campus

12:30-2 p.m..... Lunch and Talk

12:45-1:15: Morgan White — Illinois Climate Action Plan (iCAP) projects

1:15-1:40: Ximing Cai — Linking iCAP projects to Food Waste Prevention on Campus

1:40-2: iSEE seed funding for proposal development