

BuildSys 2013 Call for Demos

5th ACM Workshop on Embedded Systems for Energy-Efficiency in Buildings
November 14-15, 2013 – Rome, Italy | (co-located with ACM SenSys 2013)

BuildSys '13 Demo Session is a great forum to share your experience and showcase your work to the broader audience. Demo abstracts should describe both the technology being showcased as well as how it would be demonstrated to people.

Topics of Interest

We are particularly interested in, but not limited to, contributions related to the following topics:

Monitor, Control, and Visualization:

- * Monitor, control, and visualize alternative energy sources to improve production efficacy;
- * Monitor and actuate appliances in residential and commercial settings (e.g., HVAC, Data Center);
- * Sensor systems for NILM, and identification of appliances (e.g. signature detection);

Model, Prediction, and Simulation:

- * Model and predict energy expenditure and production (e.g., Solar, Wind, Geo-thermal);
- * Model and simulate energy usage in different settings and use that for Demand Response;
- * Model and simulate heating, cooling, lighting, ventilation, water usage, and other energy flows in buildings and surrounding spaces using real data from sensors and integrating with energy simulation tools (e.g., Energy Plus and TrnSys);

Tool, Testbed, and System Integration:

- * Integrate sensor based systems to improve grid operation and distribution (e.g., electricity, gas);
- * Emerging communication standards, and experiences of their deployments, for data collection from smart meters, appliances, devices, and HVAC systems;
- * Leveraging sensing systems, social networking, mobile phones, and other methods for behavioral modifications towards a more parsimonious usage of electricity, gas, heating, water, etc.;

Important Dates

- * Demo submission deadline: **September 16, 2013 11:59PM EDT (firm)**
- * Notification of Demo Acceptance: September 29, 2013
- * Camera Ready Due: October 7, 2013
- * Workshop and Demo session date: November 13-14, 2013

Submission Instructions

Demo abstracts have a **two page** limit. Complete author information such as names, affiliations, and e-mails should be included with each demo submission. The title of the submission should start with "Demo Abstract:" Note: Demo Abstracts will appear in the conference proceedings, and hence must conform to the submission guidelines. In addition to the two page demo abstract the submission should include information (maximum a page long) describing the logistical needs for the demonstration, and a script of how the demonstration will be conducted to convey the technology and ideas to the audience. This extra page will not appear in the proceedings. In case of any questions, please directly contact the BuildSys demo chairs ([Anthony Rowe](#) and [Ting Zhu](#)).