



The Second IEEE PerCom International Workshop on
Smart Environments (SmartE): Closing the Loop

March 23, 2015
St. Louis, Missouri, USA

Call for Papers

Smart Environments provide an important application domain for pervasive computing. Smart environments require sensing information from the environment; reasoning over the data to infer events, context, activities, behavior, phenomena etc.; and acting or actuating to change the environment or the user behavior in order to achieve specific goals. Many conferences and workshops have focused on one of these three aspects (sensing, reasoning and acting), but few have focused on the challenges of integrating each aspect into a coherent whole, that is “closing the loop.” The Second PerCom Workshop on Smart Environments (SmartE) Closing the Loop will provide a forum for the presentation and discussion of novel research ideas or actual deployments focused on closing the sense-reason-act loop. Specifically, we invite papers related to the following topics, but expect these topics to be treated in the context of a complete smart environment.

- Smart environment deployments
- Ambient intelligence
- Intelligent agent technologies for smart environments
- Smart environment middleware and programming models
- Novel sentience abstractions
- Human actuation through persuasive cybernetics
- Smart environment testbeds: real and virtual
- Simulation of human activities in smart environments
- Context- and situation-aware environments
- Human-computer interaction
- Knowledge management and knowledge-assisted sensing
- Smart sensors and actuators
- Wearable sensors and smart environments
- Space, architecture and design
- Social computing for smart environments
- Domestic robots and their applications in smart environments
- Smart virtual environments

Submission Guidelines:

Papers should contain original, unpublished material not currently under review. Papers must be submitted in PDF format via EDAS (6 pages max); see website for details. Accepted papers will be published in the PerCom 2015 workshops proceedings. Each accepted paper requires a full PerCom registration; otherwise, the paper will be withdrawn from publication.

Important Dates:

Paper submission: **December 3, 2014**
Author notification: January 9, 2015
Camera-ready due: January 28, 2015

Workshop Co-Chairs:

Larry Holder, Washington State University
Sumi Helal, University of Florida

Website:

<http://smarte.eecs.wsu.edu>