CALL FOR PAPERS

4th edition of the
Workshop on Sensor Networks and Ambient Intelligence (SeNAmI 2012)
Novel Concepts of Things, Interfaces and Applications in Smart Spaces

Co-located with IEEE PerCom, March 21-24 2012, Lugano, Switzerland
http://www.grpss.ssr.upm.es/senami2012
http://www.percom.org

Important dates

Paper Submission: November 15, 2011
Author Notification: December 20, 2011
Camera-ready Due: January 27, 2012
Workshop date: March 19 or 23, 2012
Submissions for SI: March 31, 2012

Motivation and scope

Smart spaces, pervasive computing and ambient intelligence are different terms to allude to the capabilities of systems to 'adapt' and 'respond', in order to provide the right service in a timely, unobtrusive and friendly manner. When conceiving a smart system, it is key to define how to seamlessly, effectively and securely it will interact with the user, both to gather the appropriate information to work and to provide the required service. To date, most practical interaction strategies in smart spaces have relied in the use of mobile devices as mediators (e.g. mobile augmented reality). Recently also a number of methods based on natural interfaces (such as tangible ones in smart objects) have been proposed and demonstrated. This workshop focuses on advances in technologies and concepts enabling novel interaction models to link the physical and virtual world layers in smart spaces, to create innovative applications which make intensive use of ambient and personal information to deliver value to their users. Our goal is to organize a forum for attendees to share experiences and discuss novel ideas for easy, friendly and effective interaction and applications in smart spaces.

Following the success of previous editions (Dunedin 2008, Hiroshima 2009 and Hong Kong 2010), the fourth edition of this event once again aims at bringing together researchers from academia and industry to present and discuss recent trends and advances in supportive technologies for ambient intelligence.

Not being restrictive to, suitable topics include:
- Architectures for handling smart items in responsive spaces
- Context management for interaction in smart spaces
- Reasoning and learning techniques for interaction in smart spaces
- Cyber-physical systems for human-centric applications: tangible interfaces and smart objects
- Internet of Things
- Sensors management for interaction
- Advanced (mobile) ubiquitous applications
- Privacy, security and trust management for interaction in smart spaces
- Prototypes, testbeds, and real-world deployments
- Field evaluation of user experience

Submission and proceedings

Papers should contain original material and not be previously published or currently submitted for consideration elsewhere. Manuscripts must be limited to 6 pages in IEEE 8.5x11 conference format, and formatted in accordance with the IEEE Computer Society author guidelines (http://www.computer.org/portal/web/cscps/formatting).

All submissions will be handled via EDAS. Accepted papers will be published by the IEEE Computer Society Press in the combined PerCom 2010 Workshops Proceedings and will appear on IEEE Xplore.

Authors of selected papers will be invited to submit extended version of their work for publication in a Special Issue on 'Sensors and Wireless Sensor Networks for Novel Concepts of Things, Interfaces and Applications in Smart Spaces' in Sensors (ISSN 1424-8220). Sensors is an open access journal published by MDPI and indexed by the Science Citation Index (Impact Factor 2010: 1.771) and other databases.

Contact

Dr. Ana M. Bernardos
Technical University of Madrid
Telecommunications School
Av. Complutense 30, 28040, Madrid (Spain)
Email: senami@grpss.ssr.upm.es
Tel.: +34-914533535