



Call for Papers
Second International Workshop on
Semantic Interoperability for Smart Spaces (SISS 2011)

organized in association with the
 11th IEEE/IPSJ International Symposium on Applications and the Internet
<http://www.saintconference.org/>
 Munich, GERMANY (July 18-22, 2011)

Smart spaces that provide information about physical environments, shared with inherently dynamic applications, will play a crucial role in the market of devices, services, and applications in the users' everyday experience with the personal, indoor, and outdoor environments where citizens work and live.

The effective design, implementation, and run-time support of smart space applications still have many open challenges. This is due also to the fact that smart spaces mix two paradigms: the Internet and context-aware computing. Moreover, smart spaces heavily rely on heterogeneous devices, systems, and services and need to be made seamlessly interoperable by a way that is cost-effective and easy to use.

The 2nd International Workshop on “Semantic Interoperability for Smart Spaces (SISS 2011)” aims at sharing and promoting the ideas and discussions among academic and industrial researchers and practitioners about issues within seamless interoperability, context awareness, and content/service adaptation within smart spaces that embody service-oriented architectures and/or agent-based ones. Smart Space content/services should be openly available, easily understandable, and largely re-usable thanks to the exploitation of widely adopted semantic technologies, e.g. XML, RDF, OWL, and ontology-driven development.

Contributions to SISS 2011 should address the technical challenges arising from emerging smart spaces, also capable of dynamically composing new smart applications based on the information/services offered at runtime by devices, systems, and resources in general, which are temporarily available and co-located in a smart space. Visionary and early-stage work that is rigorously presented and can steer discussion to new topics is particularly welcome, as well as more solid and extensively evaluated work that reports practical and industrial experience in the field.

SISS 2011 topics of interest include but are not limited to the following:

- semantic interoperability of smart spaces;
- interoperability models of content, services, and applications in smart spaces;
- semantic technologies and techniques for interoperability in smart environments;
- semantic approaches for software/application development;
- context models and semantic-based context modeling;
- architectures and middleware solutions for interoperability in smart environments;
- design and evaluation of smart spaces, also considering scalability over wide deployment environments;
- user activity recognition & modeling in smart spaces;
- user interaction in smart space applications;
- security and privacy in smart spaces;
- practical experiences and experimental evaluation of smart spaces;
- smart spaces for the use of persons, family, office workers, and citizens.

For any additional information/clarification needed, please contact the Workshop Chairs below via email.

Workshop Chairs

- Paolo Bellavista, University of Bologna, Italy
 Email: paolo.bellavista@unibo.it; homepage: <http://lia.deis.unibo.it/Staff/PaoloBellavista/>
- Eila Ovaska, VTT Technical Research Centre, Finland
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Important dates

Paper submission due: February 28, 2011

Notification of paper acceptance: March 28, 2011

Submission of camera-ready papers: May 2, 2011

Paper submission will be handled via EasyChair (URL available soon).