



**Preliminary Technical Program
First International Workshop on
Semantic Interoperability for Smart Spaces (SISS 2010)**

organized in association with the
IEEE Symposium on Computers and Communications (ISCC 2010)
22 June 2010, Riccione, Italy - <http://www.ieee-iscc.org/2010/>

08:30-08:45: Opening Session and Welcome Message by the Workshop Chairs

08:45-09:45: Keynote Speech and Open Discussion (Session Chair – Paolo Bellavista)

- Payam Barnaghi, “SENSEI: An Architecture for the Real World Internet”

09:45-10:30: Session 1 (part I) – Smart Environments and Semantic Technologies

(Session Chair – Eila Ovaska)

- Anna Kosek, “RDF Recipes for Context-Aware Interoperability In Pervasive Systems”
- Susanna Pantsar-Syvänen, Kirsti Simula, Eila Ovaska, “Context-Awareness in Smart Spaces”

10:30-10:50: Coffee Break

10:50-12:00: Session 1 (part II) – Smart Environments and Semantic Technologies

(Session Chair – Eila Ovaska)

- Gerrit Niezen, Bram J.J. van der Vlist, Jun Hu and Loe M.G. Feijs, “From Events to Goals: Supporting Semantic Interaction in Smart Environments”
- Sachin Bhardwaj, Tanýr Özçelebi, Johan Lukkien and Richard Verhoeven, “Semantic Interoperability in a Heterogeneous Smart Lighting System”
- Artem Katasonov, “Enabling Non-Programmers to Develop Smart Environment Applications”

12:00-12:45: Demo Presentations

12:45-14:15: Lunch Break (good news ☺: provided and offered by IEEE ISCC’10 organizers)

14:15-15:30: Session 2 – Smart Environments and Supporting Platforms

(Session Chair – Paolo Bellavista)

- Jukka Honkola, Hannu Laine, Ronald Brown, Olli Tyrkkö, “Smart-M3 Interoperability Platform”

- Diego Bernini, Daniela Micucci, Francesco Tisato, “A Platform for Interoperability via Multiple Spatial Views in Open Smart Spaces”
- Daniele Manzaroli, Luca Roffia, Tullio Salmon Cinotti, Eila Ovaska, Paolo Azzoni, Valerio Nannini, Sandra Mattarozzi, “Smart-M3 and OSGi: the Interoperability Platform”

15:30-16:00: **Coffee Break**

16:00-17:30: **Session 3 – Smart Environment Applications and Use Cases**

(Session Chair – Eila Ovaska)

- Alessandro Franchi, Luigi Di Stefano, Tullio Salmon Cinotti, “Mobile Visual Search using Smart-M3”
- Vesa Luukkala, Alessio Corongiu, Dirk-Jan Binnema, Pasi Hyttinen, Mihaly Börzsei, “Experiences in Implementing a Cross-domain Use Case by Combining Semantic and Service Levels Platforms”
- Alfredo D’Elia, Luca Roffia, Guido Zamagni, Fabio Vergari, Alessandra Toninelli, Paolo Bellavista, “Smart Applications for the Maintenance of Large Buildings: How to Achieve Ontology-based Interoperability at the Information Level”
- Adel Shaeib, Paolo Cappellari, Mark Roantree, “A Framework for Real-Time Context Provision in Ubiquitous Sensing Environments” (short paper – only 15 minutes)

17:30-18:30: **Demo Presentations (SISS + SOFIA-related demos) and Open Discussion**

Demo Papers

- Jarkko Kuusijärvi, Antti Evesti, Eila Ovaska, “Visualizing Structure and Quality Properties of Smart Spaces”
- Felipe Martín Anaya, Jorge Juan Rodríguez Vázquez, “Semantic Technologies and Techniques for Interoperable Information in Smart Environments”
- Bram J.J. van der Vlist, Gerrit Niezen, Jun Hu and Loe M.G. Feijs, “Semantic Connections: Exploring and Manipulating Connections in Smart Spaces”