

EuroSSC 2008

29-31 October 2008
Zürich, Switzerland

<http://www.eurossc.org>

The **3rd European Conference on Smart Sensing and Context** (EuroSSC) will be held on October 29-31, 2008 in Zürich, Switzerland.

The vision of ubiquitous computing is that of pervasive but transparent technology. Smart, *context-aware (wireless) sensor and actuator networks* (WS&AN) bring the vision of ubiquitous computing closer to reality. Emerging *smart surroundings, objects* and *clothing* contain networked sensing and feedback elements to infer user's needs and provide targeted context-aware assistance. Networked smart sensors recognize context from raw data and/or capitalize on context to optimize sensing. Higher-level context is inferred online or within the network, by combining and abstracting information from smart sensors. Together with networked actuators, context-aware sensing and feedback becomes possible.

This annual conference explores *techniques, algorithms, architectures, protocols, and user aspects* underlying *context-aware smart surroundings*, and *cooperating intelligent objects*, and their *applications*. Topics discussed include smart sensing, context recognition, and context processing. Of growing interest are methods and principles for context abstraction and processing given a *Quality of Context* that reflects context uncertainty and accuracy of smart sensors. Principles and methods for context-aware feedback through actuator networks and their applications are discussed.

EuroSSC 2008 aims to bring together academic researchers and industry experts with a variety of backgrounds to explore technology, human, and user aspects:

- **Technology and system aspects:** concerning intelligent sensors, sensor and actuator networks and information processing for a new generation of networked devices and intelligent environments.
- **Human and user aspects:** exploring scenarios, applications and interaction methods for context-aware and pro-active applications made possible by the diffusion of ambient communication, cooperating objects, and interaction technologies.

We welcome submission of original and unpublished **technical papers, posters, and demonstration papers** covering all areas related to smart surroundings, context-awareness and networked embedded sensor and actuator systems.

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



Springer

Important Dates

Full paper submission
6 June 2008

Notification of acceptance
28 July 2008

Camera-ready manuscript
8 August 2008

Posters and demo submission
1 September 2008

Notification of poster and demo acceptance
15 September 2008

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The topics of interest include (but are not limited to):

- Distributed smart sensing and context recognition
 - Smart sensing: sensors inferring context and context-aware sensing
 - Context-aware surroundings and infrastructures
 - Distributed objects and wearables inferring context
 - Algorithms and architectures for scalable context recognition
 - Quality of Context (context uncertainty, sensing reliability)
- Context processing
 - Context reasoning, fusion, transformation, inference
 - Context processing given Quality of Context
 - Scalable context management and processing architectures
 - Information aspects of context-aware sensor&actuator systems
- Context-aware actuators, interaction methods, and human aspects
 - Principles and methods for distributed context-aware actuation and feedback
 - Smart context-aware actuators
 - Interaction with context-aware objects, wearables and proactive interfaces
 - Quality of Actuation
 - Symbiosis between autonomic context-aware sensor&actuator systems and users
 - Social implications, user-controlled privacy, securing context
- Applications, deployment, test beds and case studies
 - Wearable computing and pervasive computing applications
 - Real-world experiences with deployed systems
 - Applications and case studies related to smart surroundings & intelligent objects
 - Integration with the Internet of the Future
 - Development tools, deployment principles, and life-cycle support

Submission

All submitted papers will be judged based on their novelty, clarity, and relevance through blind reviewing, where the identities of the authors are withheld from the reviewers.

Authors of accepted submissions will have the opportunity to update their submissions based on the reviews before the final electronic copy is due. EuroSSC 2008 requires electronic submission. Information on the submission process will be provided on the conference website. Reviewers will be instructed to maintain the confidentiality of all materials for submitted papers throughout the entire reviewing process. Submissions should contain no information that will be proprietary or confidential at the time of publication.

Papers

Full papers should not exceed 14 pages in length, LNCS format. Technical Papers are peer reviewed. Accepted papers will be included in the Conference Proceedings published by Springer-Verlag in the series Lecture Notes in Computer Science (LNCS). The proceedings will also be made available through the digital library.

Posters

Posters are solicited that present recent and on-going research by students. The poster submissions should include a 2-page (LNCS format) description of the student's research. Accepted posters will be printed in the adjunct conference proceedings and the poster will be presented at the conference poster and demonstration session.

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