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Smart Sensing and Context

First European Conference, EuroSSC 2006
Enschede, Netherlands, October 25-27, 2006
Proceedings

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Preface

This volume contains the papers and posters selected for presentation at the First European Conference on Smart Sensing and Context (EuroSSC 2006) in Enschede, The Netherlands. EuroSSC 2006 was the first conference of a series aiming at bringing together designers, engineers and researchers to explore two complementary viewpoints:

- A device-centric, technology-driven view: concerning intelligent sensors, sensor networks and information processing for a new generation of networked devices and environments.
- A service-centric, user-driven view: exploring architectures, techniques, and algorithms for context-aware and pro-active applications made possible by the diffusion of ambient communication, cooperating objects, and interaction technologies.

These subjects are active and relevant research areas in themselves, and there are several conferences that address them separately. EuroSSC 2006, however, considered them both, and especially the symbiosis between them, which we expect to result in very inspiring and interesting discussions, as well as new research ideas on how to combine them.

The conference was organized in single tracks covering various issues ranging from intelligent sensors, sensor networks, context management and context awareness, and privacy, to applications and test beds. Organizing a conference for the first time requires lots of preparations, such as finding a publisher, sponsoring organizations, and TPC members and most importantly attracting potential submitters. Fortunately, the amount and quality of the submissions were such that we were in the luxurious position to be able to accept only high quality and relevant papers. The conference attracted world wide attention and submissions came from five continents. A total of 15 accepted full papers and 14 accepted posters came from Asia, North America and Europe. All full papers underwent peer blind reviewing by at least three reviewers, and were judged based on their novelty, technical quality, account of prior work, readability and relevance. The acceptance rate for full papers was 27%. Poster descriptions were reviewed by two referees and accepted posters appear as short papers in the proceedings.

The technical program was complemented by interesting keynotes from Anind Dey and Kevin Warwick, titled *End-User Control in the Smart Home*, and *Upgrading Humans' Technical Realities and New Morals*, respectively. Besides papers, posters, and keynotes, the technical program also included a debate on the social and economical impact of ambient technology.

The EuroSSC 2006 conference was technically co-sponsored by the IEEE Communications Society and supported by the Ministry of Economic Affairs of the Netherlands through the Smart Surroundings, Freeband, and MultimediaN

projects, the European IST funded e-SENSE project, Ambient Systems B.V., CTIT, and was organized in cooperation with EuSAI and ISSNIP.

Apart from the above listed organizations and projects, we would also like to express our gratitude to the many individuals who contributed to organizing EuroSSC 2006 and offering technical and administrative support. Specifically, we want to acknowledge the TPC members, additional referees, LNCS staff, and keynote speakers for their contributions.

August 2006

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