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Smart Sensing and Context

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



Springer

Volume Editors

Paul Havinga
Maria Lijding
Nirvana Meratnia

University of Twente
Department of Computer Science
P.O.Box 217, 7500 AE Enschede, The Netherlands
E-mail: {p.j.m.havinga; m.e.m.lijding; n.meratnia}@ewi.utwente.nl

Maarten Wegdam
Lucent - Bell Labs
Capitool 5, 7521 PL Enschede, The Netherlands
E-mail: wegdam@lucent.com

Library of Congress Control Number: 2006934577

CR Subject Classification (1998): H.3, H.4, C.2, H.5, F.2

LNCS Sublibrary: SL 5 – Computer Communication Networks and
Telecommunications

ISSN	0302-9743
ISBN-10	3-540-47842-6 Springer Berlin Heidelberg New York
ISBN-13	978-3-540-47842-3 Springer Berlin Heidelberg New York

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Springer is a part of Springer Science+Business Media
springer.com

© Springer-Verlag Berlin Heidelberg 2006
Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper SPIN: 11907503 06/3142 5 4 3 2 1 0

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

Paul Havinga
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 Nirvana Meratnia
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Sponsoring Institutions

IEEE Communications Society
BSIK Funded Smart Surroundings, Freeband, and MultimediaN projects
European IST funded e-SENSE project
Ambient Systems B.V.
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Table of Contents

Intelligent Sensors and Sensor Network

Multi-channel Support for Dense Wireless Sensor Networking	1
<i>Ozlem Durmaz Incel, Stefan Dulman, Pierre Jansen</i>	
Data Aggregation for Target Tracking in Wireless Sensor Networks	15
<i>Caspar Lageweg, Johan Janssen, Maarten Ditzel</i>	
A Zone-Based Clustering Method for Ubiquitous Robots Based on Wireless Sensor Networks	25
<i>Kyungmi Kim, Hyunsook Kim, Young Choi, Sukgyu Lee, Kijun Han</i>	

Context Awareness and Architectures

A Simulation Study of Integrated Service Discovery	39
<i>Gertjan P. Halkes, Aline Baggio, Koen G. Langendoen</i>	
Context Dissemination and Aggregation for Ambient Networks: Jini Based Prototype	54
<i>Kazimierz Bałos, Tomasz Szydło, Robert Szymacha, Krzysztof Zieliński</i>	
Discovery and Composition of Services for Context-Aware Systems	67
<i>Cristian Hesselman, Andrew Tokmakoff, Pravin Pawar, Sorin Iacob</i>	
Infrastructural Support for Dynamic Context Bindings	82
<i>Tom Broens, Aart van Halteren, Marten van Sinderen</i>	
Adding Context Awareness to C#	98
<i>Anca Rarau, Ioan Salomie</i>	
Toward Wide Area Interaction with Ubiquitous Computing Environments	113
<i>Michael Blackstock, Rodger Lea, Charles Krasic</i>	
Maintaining a World Model in a Location-Aware Smart Space	128
<i>R.K. Harle</i>	

Privacy, Application and Test Beds

Shadow: A Middleware in Pervasive Computing Environment for User Controllable Privacy Protection	143
<i>Wentian Lu, Jun Li, Xianping Tao, Xiaoxing Ma, Jian Lu</i>	
Auditing and Inference Control for Privacy Preservation in Uncertain Environments	159
<i>Xiangdong An, Dawn Jutla, Nick Cercone</i>	
Developing a Context-Aware System for Providing Intelligent Robot Services	174
<i>Chung-Seong Hong, Joonmyun Cho, Kang-Woo Lee, Young-Ho Suh, Hyun Kim, Hyun-Chan Lee</i>	
Music for My Mood: A Music Recommendation System Based on Context Reasoning	190
<i>Jae Sik Lee, Jin Chun Lee</i>	
WLAN Location-Aware Application Based on Accumulated Orientation Strength Algorithm	204
<i>I-En Liao, Kuo-Fong Kao, Ke-An Chen</i>	

Posters: Short Papers

Context Delivery in Ad Hoc Networks Using Enhanced Gossiping Algorithms	218
<i>Syarulnaziah Anawar, Lorcan Coyle, Simon Dobson, Paddy Nixon</i>	
An Attribute-Based Naming Architecture for Wireless Sensor Networks Using a Virtual Counterpart Overlay Network	222
<i>Eui-Hyun Jung, Yong-Pyo Kim, Yong-Jin Park, Seong-Yun Cho, Su-Young Han</i>	
A Sensor Platform for Sentient Transportation Research	226
<i>Jonathan J. Davies, David N. Cottingham, Brian D. Jones</i>	
Attention-Based Information Composition for Multicontext-Aware Recommendation in Ubiquitous Computing	230
<i>Sungrim Kim, Joonhee Kwon</i>	
Context-Aware Trust Domains	234
<i>Ricardo Neisse, Maarten Wegdam, Marten van Sinderen</i>	

An Evaluation Framework for Disseminating Context Information with Gossiping	238
<i>Graham Williamson, Graeme Stevenson, Steve Neely, Simon Dobson, Paddy Nixon</i>	
Dynamic Bayesian Networks for Visual Surveillance with Distributed Cameras	240
<i>Wojciech Zajdel, A. Taylan Cemgil, Ben J.A. Kröse</i>	
Embedded Intelligence: Enabling In-Situ Power Management for Wireless Sensor Networks	244
<i>Rui Ma, Gregory M.P. O'Hare, Michael J. O'Grady</i>	
Proximity Sensing Using IEEE 802.15.4 Radios	248
<i>Mark Lowton, James Brown, Joe Finney, Gerd Kortuem</i>	
Towards Hovering Information	250
<i>Alfredo Villalba, Dimitri Konstantas</i>	
Balancing Smartness and Privacy for the Ambient Intelligence	255
<i>Harold van Heerde, Nicolas Anciaux, Ling Feng, Peter M.G. Apers</i>	
Energy Conservation with EDFI Scheduling	259
<i>Tjerk Bijlsma, Pierre Jansen</i>	
RuleCaster: A Programming System for Wireless Sensor Networks	262
<i>Urs Bischoff, Gerd Kortuem</i>	
Losing Control in Pro-active Home Environments	264
<i>Martijn H. Vastenburg</i>	
Author Index	267