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Umer Iqbal (Universität Duisburg-Essen Germany, Germany); Marcus Handte (University of Duisburg-Essen, Germany); Stephan J Wagner (University of Duisburg-Essen, Germany); Wolfgang Apolinarski (University of Duisburg-Essen, Germany); Pedro Jose Marrón (University of Duisburg-Essen and Fraunhofer FKIE, Germany)
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Martin Stephenson (IBM Research, Ireland); Giusy Di Lorenzo (IBM Research, Ireland); Pol Mac Aonghusa (IBM Research, Ireland)
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Narisu Tao (University of Goettingen, Germany); Konglin Zhu (University of Goettingen, Germany); Xiaoming Fu (University of Goettingen, Germany)
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Ahmed E. Kosba (Alexandria University, Egypt); Moustafa Youssef (Egypt-Japan University of Science and Technology (E-JUST), Egypt)
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Mathias Wilhelm (Technische Universität Berlin & DAI-Labor, Germany)
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Dragan Ahmetovic (University of Milan, Italy)
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Mining Individual Behavior Pattern Based on Significant Locations and Spatial Trajectories
Zhenyu Chen (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China)
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COSN: A Collaborative Opportunistic Sensor Networking Framework for People-Centric Applications
Kamini Garg (SUPSI, Switzerland)
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Jonas Michel (University of Texas at Austin, USA)
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Veit Schwartze (TU-Berlin, Germany)
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Rui Neves Madeira (Faculdade de Ciências e Tecnologia - Universidade Nova de Lisboa, Portugal)
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Michael Madhukalya (The University of Texas at Arlington, USA)
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Paul Baumann (Technische Universität Darmstadt, Germany)
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Michela Papandrea (University of Applied Sciences of Southern Switzerland Switzerland (SUPSI), Switzerland)
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Christian Kuka (OFFIS, Germany)
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Self-aware Middleware for Smart Camera networks
Herwig Guggi (Alpen Adria Universität Klagenfurt, Austria)
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Antonio Dariush Kheirkhahzadeh (University of West London, United Kingdom)
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Defeasible preferences for intelligible pervasive applications to enhance eldercare

Johnson Fong (The University of Queensland, Australia); Ho-Pun Lam (National ICT Australia & University of Queensland, Australia); Ricky Robinson (NICTA, Australia); Jadwiga Indulska (The University of Queensland, Australia)

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Rule-Based Transformation of Map Data

Bernhard Schmitz (Universität Stuttgart, Germany); Thomas Ertl (University of Stuttgart, Germany)

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Daniele Riboni (University of Milan, Italy); Claudio Bettini (University of Milan, Italy)

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S2: Context reasoning

Behavioural Analysis of Low Entropy Mobile People Using Contextual Information

Muhammad Azam (University of Engineering and Technology Taxila, United Kingdom); Jonathan Loo (Middlesex University, United Kingdom); Sardar Kashif Ashraf Khan (Mirpur University of Science and Technology, United Kingdom); Waleed Ejaz (Sejong University & IQRA University, Korea)

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Nicola Bicocchi (University of Modena and Reggio Emilia, Italy); Gabriella Castelli (University of Modena and Reggio Emilia, Italy); Matteo Lasagni (University of Lubeck, Germany); Marco Mamei (Università di Modena e Reggio Emilia, Italy); Franco Zambonelli (University of Modena and Reggio Emilia, Italy)

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Kristina Yordanova (University of Rostock, Germany); Frank Krüger (University of Rostock, Germany); Thomas Kirste (University of Rostock, Germany)

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S3: Context modeling and management

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Viktoriya Degeler (University of Groningen, The Netherlands); Alexander Lazovik (University of Groningen, The Netherlands)
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Manfred Wojciechowski (Fraunhofer ISST, Germany); Markus Wiedeler (Fraunhofer Institut, Germany)
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Towards a Social Context Model and Architecture for Large-Scale Pervasive Environments
Thilo Paul-Stueve (CITEC, Bielefeld University, Germany); Sven Wachsmuth (CITEC, Bielefeld University, Germany)
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Scale-Free Opportunistic Networks: is it Possible?
Stefano Ferretti (University of Bologna, Italy); Vittorio Ghini (University of Bologna, Italy); Fabio Panzieri (University of Bologna, Italy)
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Yao-Nan Lien (National Chengchi University, Taiwan); Yi-Shiuan Lin (National Chengchi University, Taiwan)
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Bongsoo Roh (Agency for Defense Development, Korea); Mijeong Hoh (Agency for Defense Development, Korea); Kimin Hwang (Agency for Defense Development, Korea); Gui Soon Park (ADD, Korea); Suil Kim (Agency for Defense Development, Korea)
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A Cluster-Based Locality-Aware Mobile Peer-to-Peer Architecture
Christian Gottron (Technische Universität Darmstadt, Germany); Andre König (TU Darmstadt, Germany); Ralf Steinmetz (Technische Universität Darmstadt, Germany)
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AntOM: Constructing Multi-layer Overlays for Pervasive Environments
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Song-Yu Liu (National Chiao Tung University, Taiwan); Chen-Che Huang (National Chiao Tung University, Taiwan); Jiun-Long Huang (National Chiao Tung University, Taiwan); Chih-Lin Hu (National Central University, Taiwan)
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San-Yih Hwang (National Sun Yat-sen University, Taiwan); Wan-Shiou Yang (National Changhua University of Education, Taiwan)
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Towards agile competence development
Freddy Limpens (EPFL, Switzerland); Denis Gillet (Swiss Federal Institute of Technology in Lausanne (EPFL), Switzerland)
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Facilitating Information Sharing and Social Interaction in Mobile Peer-to-Peer Environment
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The need for Open Educational Resources for Ubiquitous Learning
Rory McGreal (Athabasca University, Canada)
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Hendrik Roreger (Hamburg University of Applied Sciences, Germany); Thomas C. Schmidt (HAW Hamburg (DE), Germany)
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FreshUP - Implementation and Evaluation of a Pervasive Game for Freshmen
Wiebke Köhlmann (University of Potsdam, Germany); Raphael Zender (University of Potsdam, Germany); Ulrike Lucke (University of Potsdam, Germany)
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Layale Constantine (American University of Beirut, Lebanon); Hazem Hajj (American University of Beirut, Lebanon)
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Towards a Pattern Language for Modeling Interactive Applications in Smart Meeting Rooms
Michael Zaki (University of Rostock, Germany)
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Improving Activity Recognition by Segmental Pattern Mining

Umut Avci (University of Trento, Italy); Andrea Passerini (University of Trento, Italy)

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Self-stabilizing Sensor Networks for Emergency Management
Stefan Lohs (Brandenburg University of Technology, Germany); Reinhardt Karnapke (BTU Cottbus, Germany); Jörg Nolte (BTU Cottbus, Germany); Andreas Lagemann (Brandenburgische Technische Universität Cottbus, Germany)
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Laurent Delosières (Linköping University, Sweden); Simin Nadjm-Tehrani (Linköping University, Sweden)
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Andreas Wolff (TU Dortmund University, Germany); Christian Wietfeld (TU Dortmund University, Germany)
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Pannable and Fixed Camera Interactions for Enhanced Surveillance Applications with Wireless Image Sensors
CongDuc Pham (University of Pau, France)
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Emergency Medical Support System for Visualizing Locations and Vital Signs of Patients in Mass Casualty Incident
Teruhiro Mizumoto (Nara Institute of Science and Technology, Japan); Shinya Imazu (Nara Institute of Science and Technology, Japan); Weihua Sun (Nara Institute of Science and Technology, Japan); Naoki Shibata (Shiga University, Japan); Keiichi Yasumoto (Nara Institute of Science and Technology, Japan)
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Malicious Threats and Novel Security Extensions in P2PSIP
Christos Tselios (University of Patras, Greece); Konstantinos Birkos (University of Patras, Greece); Panagiotis Galiotos (University of Patras, Greece); Stavros Kotsopoulos (Wireless Telecommunications Laboratory, Greece); Tasos Dagiuklas (Technological Educational Institute of Mesolonghi, Greece)
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XMPP to the Rescue: Enhancing Post Disaster Management and Joint Task Force Work

Ronny Klauck (IHP GmbH, Germany); Michael Kirsche (Brandenburg University of Technology Cottbus, Germany)

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Identifying Network Failure via Detecting Changes in Power Profile

Toktam Mahmoodi (King's College London, United Kingdom); Manuel Roveri (Politecnico di Milano, Italy)

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Performance Evaluation of Scheduling Algorithms for Mobile WiMAX Networks

Preethi Chandur (IIT Madras, India); R M Karthik (Centre of Excellence in Wireless Technology, India); Krishna M. Sivalingam (Indian Institute of Technology Madras, India)

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A Markov Random Field Framework for Channel Assignment in Cognitive Radio Networks

Evangelos Anifantis (National Technical University of Athens, Greece); Vasileios A Karyotis (National Technical University of Athens, Greece); Symeon Papavassiliou (Institute of Comm. and Comp. Systems/National Technical University of Athens, Greece)

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Load Sensitive Flow Management Extensions To QoS Routing Based On OSPF

Parwinder Singh (University of Bremen, Germany); Amanpreet Singh (University of Bremen, Germany); Carmelita Goerg (University of Bremen, Germany)

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Session 2: Pervasive Wireless Networking with Smart Phones

Share your view: wireless multi-hop video streaming using Android phones

Peizhao Hu (National ICT Australia, Australia); Nick Symons (The University of Queensland, Australia); Jadwiga Indulska (The University of Queensland, Australia); Marius Portmann (University of Queensland, Australia)

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Offloading Android Applications to the Cloud without Customizing Android

Eric Y. Chen (NTT Corporation, Japan); Satoshi Ogata (eflow Inc., Japan); Keitaro Horikawa (NTT & Information Sharing Platform Laboratories, Japan)

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Indoor Location Detection with a RSS-based Short Term Memory Technique (KNN-STM)

Bulut Altintas (Yeditepe University, Turkey); Tacha Serif (Yeditepe University, Turkey)

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A Measurement Study and Implication for Architecture Design in Wireless Body Area Networks

Yu Ge (Institute for Infocomm Research, Singapore); Liang Liang (University of Electronic Science and Technology of China, P.R. China); Wei Ni (Institute for Infocomm Research, Singapore); Aung Aung Phyo Wai (Insitute for Infocomm Research, Singapore); Gang Feng (University of Electronic Science and Technology of China, P.R. China)

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"Always Best Packet Switching" for SIP Services

Vittorio Ghini (University of Bologna, Italy); Stefano Ferretti (University of Bologna, Italy); Fabio Panzieri (University of Bologna, Italy)

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Looking for needles in a haystack: Detecting Counterfeits in Large Scale RFID Systems using Batch Authentication Protocol

Farzana Rahman (Marquette University, USA); Sheikh Iqbal Ahamed (Marquette University, USA)

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SeNAmI 2012: 4th International Workshop on Sensor Networks and Ambient Intelligence 2012 - Program

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BRIX - An Easy-to-Use Modular Sensor and Actuator Prototyping Toolkit
Sebastian Zehe (Bielefeld University, Germany); Tobias Grosshauser (Bielefeld University, Germany); Thomas Hermann (Bielefeld University, Germany)
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Architecture for end-user programming of cross-smart space applications
Marko Palviainen (VTT Technical Research Centre of Finland, Finland); Jarkko Kuusijärvi (VTT Technical Research Centre of Finland, Finland); Eila Ovaska (VTT Technical Research Centre of Finland, Finland)
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A Development Methodology to Facilitate the Integration of Smart Spaces into the Web of Things
Iván Corredor (Universidad Politécnica de Madrid, Spain); Josue Iglesias (Universidad Politecnica de Madrid, Spain); Ana M. Bernardos (Universidad Politecnica de Madrid, Spain); Jose R Casar (Universidad Politecnica de Madrid, Spain)
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Gerrit Niezen (Eindhoven University of Technology, The Netherlands); Bram van der Vlist (Eindhoven University of Technology, The Netherlands); Sachin Bhardwaj (Eindhoven University of Technology, The Netherlands); Tanir Özçelebi (Eindhoven University of Technology, The Netherlands)
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Global Ambient Intelligence: an Autonomic Approach
Michele Amoretti (Università degli Studi di Parma, Italy); Marco Picone (University of Parma, Italy); Francesco Zanichelli (University of Parma, Italy)
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Aitor Almeida (DeustoTech - Deusto Institute of Technology, Spain); Diego López-de-Ipiña (University of Deusto, Spain)
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Takuya Inada (Kobe University, Japan); Kousuke Ikegami (Kobe University, Japan); Matsumoto Shinsuke (Kobe University, Japan); Masahide Nakamura (Kobe University, Japan); Hiroshi Igaki (Kobe University, Japan)
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Towards Abnormal Behavior Detection of Cognitive Impaired People
Antonio Coronato (ICAR-CNR, Italy); Luigi Gallo (ICAR-CNR, Italy)
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Miguel Ángel Serrano (Universidad Carlos III de Madrid, Spain); Juan Gómez-Romero (Universidad Carlos III de Madrid, Spain); Miguel Angel Patricio (Universidad Carlos III de Madrid, Spain); Jesus García (Universidad Carlos III de Madrid, Spain); Jose Manuel Molina (Universidad Carlos III de Madrid, Spain)
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Towards a fuzzy-based multi-classifier selection module for activity recognition applications
Henar Martín (Universidad Politecnica de Madrid, Spain); Josue Iglesias (Universidad Politecnica de Madrid, Spain); Jesús Cano (Universidad Politecnica de Madrid, Spain); Ana M. Bernardos (Universidad Politecnica de Madrid, Spain); Jose R Casar (Universidad Politecnica de Madrid, Spain)
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Florian Lettner (University of Applied Sciences Upper Austria, Austria); Clemens Holzmann (University of Applied Sciences Upper Austria, Austria)
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D-UREA: Distributed Uncovered Region Exploration Algorithm for Reorganization of Sensor Nodes to Maximize Coverage
Manisha Jitendra Nene (Defence Institute of Advanced Technology, India); Rajendra Deodhar (Defence Institute of Advanced Technology, India); L. m. Patnaik (Indian Institue of Science, India)
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HCMTT: Hybrid Clustering for Multi-Target Tracking in Wireless Sensor Networks
Faezeh Hajiaghajani (Amirkabir University of Technology, Iran); Marjan Naderan (Shahid Chamran University of Ahwaz & Engineering Faculty, Iran); Hosein Pedram (, Iran); Mehdi Dehghan (Amirkabir University of Technology, Iran)
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Resource coordination in wireless sensor networks by cooperative reinforcement learning
Muhidul Islam Khan (University of Klagenfurt & Researcher, Pervasive Computing Group, University of Klagenfurt, Austria); Bernhard Rinner (Klagenfurt University, Austria)
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Keynote: From Labs to Cities: Mapping the Social Impact of Ubiquitous Technologies

Vassilis Kostakos (University of Oulu, Portugal)

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Studying the Impact of Ubiquitous Monitoring Technology on Office Worker Behaviours: The Value of Sharing Research Data

Stuart Moran (University of Nottingham, United Kingdom); Irene Lopez de Vallejo (Tekniker IK4, Spain); Keiichi Nakata (University of Reading, United Kingdom); Ruth Conroy-Dalton (University College of London, United Kingdom); Rachael Luck (University of Reading, United Kingdom); Peter McLennan (University College of London, United Kingdom); Stephen Hailes (University College London, United Kingdom)

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S3: Designing Privacy for Living and Working

Value-Sensitive Design Patterns for Pervasive Health Care

Christian Detweiler (Delft University of Technology, The Netherlands); Koen Hindriks (Delft University of Technology, The Netherlands)

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Antoni Martínez-Ballesté (Universitat Rovira i Virgili, Spain); Hatem Rashwan (Universitat Rovira i Virgili, Spain); Domenec Puig (University Rovira i Virgili, Spain); Antonia Paniza Fullana (Universitat de les Illes Balears, Spain)

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Jorge Berzosa (Tekniker-Ik4, Spain); Jon Mabe (Tekniker-Ik4, Spain); Neil J Grabham (University of Southampton, United Kingdom); John Tudor (University of Southampton, United Kingdom)

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Design Guidelines for Pervasive Computing: Implications of Technology Use in Africa

Amandeep Dhir (Aalto University, Finland); Nobert Jere (Telkom Centre of Excellence in ICTD & University of Fort Hare, South Africa); Puneet Kaur (Aalto University, Finland); Mikko Heiskala (Aalto University, Finland); Ibrahim Albidewi (King Abdulaziz University, Saudi Arabia); Daniyal M Alghazzawi (King Abdulaziz University, Saudi Arabia)

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