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for Providing Personalized Services to Mobile Users -- Sensing -- Activity Recognition Using Biomechanical Model Based Pose Estimation -- Energy Efficient Cooperative Multimodal Ambient Monitoring -- On the Use of Magnetic Field Disturbances as Features for Activity Recognition with on Body Sensors -- Systems Support -- Feature Weighting for CPM-Based Context Validation -- A Formal Model of Reliable Sensor Perception -- Effect of Caching in a Broker Based Context Provisioning System -- A Logic Based Context Query Language -- Higher Level Modeling -- Sensor Abstractions for Opportunistic Activity and Context Recognition Systems -- Identifying Important Action Primitives for High Level Activity Recognition -- A Resource Model for the Real World Internet -- Report on the Workshop on ICT and Ageing: Announcing the European Initiative for an Ambient Assistant Living (AAL) Platform -- Platforms for AAL Applications.

Sommario/riassunto

Welcome to the 5th European Conference on Smart Sensing and Context. EuroSSC 2010 is a venue for high-quality papers that describe both original and unpublished research advancing the state of the art in smart surroundings, context-awareness and networked embedded sensor and actuator systems. The conference brings researchers of a variety of disciplines, perspectives and graphical areas together. It aims to explore the implications of computing as it starts to surround us transparently, interwoven into the fabric of everyday life. Our Program Committee--composed of 28 leading international researchers in the fields of context recognition and smart sensing-- accepted 13 papers to be published in these proceedings. We want to take the opportunity to express our gratitude to the diligent efforts of all members of the EuroSSC Program Committee and the team for the local arrangements. We also want to thank the over 50 (co-)authors from over 13 countries for their contributions, shaping the EuroSSC into a true international venue. In addition to the official conference proceedings, we are pleased to also include a short report about the Workshop on Ambient Assisted Living (AAL) platforms. We also want to express our thanks to the MonAMI coordinators, as without them the shared workshop would not have been possible. We found that the workshop sparked interesting discussions between the conference participants about the fascination topic of aging in a pervasive computing age.
