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Nota di contenuto	Session 1: AAL Environments -- A Knowledge Based Framework to Support Active Aging at Home Based Environments -- Mobile Based Prompted Labeling of Large Scale Activity Data -- Mobile NFC vs Touch screen Based Interaction: Architecture Proposal and Evaluation -- Improving Health Services Using Cloud Computing, Big Data and Wireless Sensors -- Session 2: User Interaction and Assistive Solutions -- Focus Group Evaluation of Scenarios for Fall Risk Assessment and

Fall Prevention in Two Countries -- Enhancing Social Interaction between Older Adults and Their Families -- Personalization of Serious Videogames for Occupational Engagement for Elderly -- Return to Activities of Daily Life: Physiotherapy Rehabilitation with Serious Game -- Image Analysis for Crack Detection in Bone Cement -- Session 3: Sensing and Activity Recognition -- Mobile and Context-Aware Grocery Shopping to Promote Active Aging -- Handling Displacement Effects in On-Body Sensor-Based Activity Recognition -- Application of a Cluster-Based Classifier Ensemble to Activity Recognition in Smart Homes -- A Vision System for Intelligent Monitoring of Activities of Daily Living at Home -- Session 4: Key Application Domains -- An Integral Medicine Taking Solution for Mild and Moderate Alzheimer Patients -- Human Facial Expression Recognition Using Wavelet Transform and Hidden Markov Model -- A Real-Time Insulin Injection System -- Development and Evaluation of an Augmented Object for Notifications of Particular Emails -- An Augmented Object Prototype for Helping to Prevent the Sudden Infant Death Syndrome.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Workshop on Ambient Assisted Living, IWAAL 2013, held in Carillo, Costa Rica, in December 2013. The 13 full papers and 7 short papers were carefully reviewed and selected from 23 submissions. The focus of the papers is on following topics: AAL environments, user interaction and assistive solutions, sensing and activity recognition, and key application domains.
