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Collana	Advanced Technologies and Societal Change, , 2191-6853
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Soggetti	Biomedical engineering Economic policy Aging Geriatrics Biomedical Engineering and Bioengineering R & D/Technology Policy Geriatrics/Gerontology
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Challenges in Adopting Speech Control for Assistive Robots -- Design of the Human-Robot Interaction for a Semi-Autonomous Service Robot to Assist Elderly People -- Indoor and Outdoor Mobility Assistance -- NeuroCare – Personalization and Adaptation of Digital Training Programs for Mild Cognitive Impairments -- Monitoring of Therapeutic Progress by COMES® -- Information Logistics Solutions to Cope with Big Data Challenges in AAL and Telemedicine -- AAL-Onto – A Formal Representation of RAALI Integration Profiles -- User Integration by the Evaluation of an Emergency Call System in the Context of the Research Project MOBECS -- Which AAL Middleware matches my requirements? – An Analysis of Current Middleware Systems and a Framework for Decision-Support -- Human Body Detection using Redundant Radio Signal Strength Readings for Reliable Device-Free Localization -- Human Body Detection using Redundant Radio Signal Strength Readings for Reliable Device-Free Localization -- Detecting the effect of Alzheimer's disease on everyday motion behavior -- Oil in the

Machine: Technical Support for a Human-Centered Service System for Public Transport -- Quantitative and qualitative rating and ranking studies for consolidation of an application portfolio for large scale pilots.

Sommario/riassunto

In this book, leading authors in the field discuss developments of Ambient Assisted Living. The contributions have been chosen and invited at the 7th AAL congress, Berlin. It presents new technological developments which support the autonomy and independence of individuals with special needs. As the technological innovation raises also social issues, the book addresses micro and macro economical aspects of assistive systems and puts an additional emphasis on the ethical and legal discussion. The presentation is supported by real world examples and applications.
