1. Record Nr. UNINA9910254345603321 Ambient Assisted Living: Italian Forum 2016 / / edited by Filippo Titolo Cavallo, Vincenzo Marletta, Andrea Monteriù, Pietro Siciliano Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2017 **ISBN** 3-319-54283-4 Edizione [1st ed. 2017.] 1 online resource (XVIII, 404 p. 141 illus.) Descrizione fisica Collana Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 426 Disciplina 004 Soggetti Biomedical engineering Robotics Automation Geriatrics Biomedical Engineering and Bioengineering Robotics and Automation Geriatrics/Gerontology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Care Models and Algorithms -- Enabling Technologies and Assistive Nota di contenuto Solutions -- Experiments, Evaluation and Lessons Learnt. Sommario/riassunto This book documents the state of the art in the field of ambient assisted living (AAL), highlighting the impressive potential of novel methodologies and technologies to enhance well-being and promote active ageing. The coverage is wide ranging, with sections on assistive devices, elderly people monitoring, home rehabilitation, ICT solutions for AAL, living with chronic conditions, robotic assistance for the elderly, sensing technologies for AAL, and smart housing. The book comprises a selection of the best papers presented at the 7th Italian Forum on Ambient Assisted Living (ForitAAL 2016), which was held in Pisa, Italy, in June 2016 and brought together end users, technology teams, and policy makers to develop a consensus on how to improve

provision for elderly and impaired people. Readers will find that the expert contributions offer clear insights into the ways in which the

most recent exciti ng advances may be expected to assist in addressing

 the needs of the elderly and those with chronic conditions.	