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Soggetti	Computational intelligence Signal processing Image processing Speech processing systems Artificial intelligence Electronics Microelectronics Geriatrics Computational Intelligence Signal, Image and Speech Processing Artificial Intelligence Electronics and Microelectronics, Instrumentation Geriatrics/Gerontology
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Smart Home related Research -- Design and Deployment of WSN in a Home Environment and Real-Time Data Fusion -- ADLs Recognition of an Elderly person and Wellness Determination -- Forecasting the Behaviour of an Elderly Person Using WSN Data -- Sensor Activity Pattern (SAP) Matching Process and Outlier Detection -- Conclusion and Future Works.
Sommario/riassunto	The book addresses issues towards the design and development of Wireless Sensor Network based Smart Home and fusion of Real-Time

Data for Wellness Determination of an elderly person living alone in a Smart Home. The fundamentals of selection of sensor, fusion of sensor data, system design, modelling, characterizations, experimental investigations and analyses have been covered. This book will be extremely useful for the engineers and researchers especially higher undergraduate, postgraduate students as well as practitioners working on the development of Wireless Sensor Networks, Internet of Things and Data Mining.