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	Nota di contenuto	1 Ambient-assisted Living and Large-scale Distributed Computing Systems -- 2 Scalable and Context-aware Remote Health Monitoring Services -- 3 Big data enabled m-Health Applications and Methodologies for Self-management -- 4 M2M Communication Methods and Standards for Large-scale e-Health Systems -- 5 Energy Efficiency and QoS Issues in large-scale Wireless Body Area Networks -- 6 Scalability and Fault Tolerance in Wearable, and Implantable Computing Models for Smart Healthcare -- 7 Trust, Safety, Security, and Privacy in Distributed Body Area Networks Applications -- 8 Remote Activity Recognitions and Monitoring using Wearable Sensors/Smartphones -- 9 Dimension Reduction Methods for Robust Feature Extraction from Human Activities Data -- 10 Connected Health and Healthcare Internet of Things (IoT) -- 11 Agent-based Epidemic Control Services using Distributed Computing -- 12 Smartphone Based Scalable Rehabilitation Services -- 13 Distributed Computing for

Patient-Centric Smart Architectures for Healthcare -- 14 Predictive Patient Monitoring using Smartphones -- 15 Large-scale Architectures and Models for Smart Healthcare -- 16 Mobile Cloud Computing Services for Emergency Medical Services -- 17 Efficient Resource Allocation Techniques for large-scale Wireless Body Area Networks (WBANs) -- 18 large-scale Medical Image Analysis for Real-time Disease Screening -- 19 Efficient Machine learning Models for Multidimensional Sensor Data -- 20 On-body Sensor localization in Body Area Networks -- 21 Smart Healthcare Information Fusion and Integration -- 22 large-scale Data Analysis for Epilepsy State Detection -- 23 Smartphone Based Navigation Services for Mobility Impaired People -- 24 Smart Healthcare as a Service -- 25 Technological and Social Challenges for Smart Healthcare -- 26 Resource Interoperability for Smart Healthcare Environments -- 27 Location-based Services for Healthcare -- 28 Smart Healthcare Solutions for Developing Countries -- 29 Simulation-based Methods for Smart Healthcare Environments to Support Independent Living -- 30 Case Studies on Connected Health Systems.

| Sommario/riassunto | This volume offers readers various perspectives and visions for cutting-edge research in ubiquitous healthcare. The topics emphasize large-scale architectures and high performance solutions for smart healthcare, healthcare monitoring using large-scale computing techniques, Internet of Things (IoT) and big data analytics for healthcare, Fog Computing, mobile health, large-scale medical data mining, advanced machine learning methods for mining multidimensional sensor data, smart homes, and resource allocation methods for the BANs. The book contains high quality chapters contributed by leading international researchers working in domains, such as e-Health, pervasive and context-aware computing, cloud, grid, cluster, and big-data computing. We are optimistic that the topics included in this book will provide a multidisciplinary research platform to the researchers, practitioners, and students from biomedical engineering, health informatics, computer science, and computer engineering. |