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Titolo	IoT and ICT for Healthcare Applications / / edited by Nishu Gupta, Sara Paiva
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Descrizione fisica	1 online resource (XII, 298 p. 122 illus., 106 illus. in color.)
Collana	EAI/Springer Innovations in Communication and Computing, , 2522-8595
Disciplina	004.678
Soggetti	Electrical engineering Health informatics Health care management Health services administration User interfaces (Computer systems) Communications Engineering, Networks Health Informatics Health Care Management User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- In-home healthcare services based on the Internet-of-Things -- RFID Technology for IoT-Based Personal Healthcare -- Real-time reporting and monitoring -- Interfacing Devices to IoT -- Smart Medical Services -- Embedded gateway configuration (EGC) -- Health monitoring infrastructure -- Specifications of Bio-medical devices -- Sensors for health monitoring -- Cloud-based IoT healthcare -- Smart Wearable devices -- Indirect emergency healthcare -- Healthcare mobility solution -- Next-gen healthcare facilities -- Report analysis and assortment -- Remote medical assistance -- Safety issues related to IoT healthcare solutions -- Challenges of IoT In Healthcare -- Ensuring Reliable data exchange in ICT -- Conclusion.
Sommario/riassunto	This book provides an insight on the importance that Internet of Things (IoT) and Information and Communication Technology (ICT) solutions

can have in taking care of people's health. Key features of this book present the recent and emerging developments in various specializations in curing health problems and finding their solutions by incorporating IoT and ICT. This book presents useful IoT and ICT applications and architectures that cater to their improved healthcare requirements. Topics include in-home healthcare services based on the Internet-of-Things; RFID technology for IoT based personal healthcare; Real-time reporting and monitoring; Interfacing devices to IoT; Smart medical services; Embedded gateway configuration (EGC); Health monitoring infrastructure; and more. Features a number of practical solutions and applications of IoT and ICT on healthcare; Includes application domains such as communication technology and electronic materials and devices; Applies to researchers, academics, students, and practitioners around the world.