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Nota di contenuto	Introduction -- IoT Sensors in the Framework of Aging in Place -- Pervasive Electrocardiography -- Study of Mechanomyographic Alternatives to EMG Sensors for a Low-Cost Open Source Bionic Hand -- Comparison of Different Polymeric Materials for Mobile Off-the-Person ECG -- Sleep detection using physiological signals from a wearable device -- An Exergame Integrated with IoT to Support Remote Rehabilitation -- Security challenges and suggested solutions For e-health information in modern society -- Internet-of-Things Based Respiratory Rate Monitoring for Early Detection of Cardiovascular and Pulmonary Diseases -- A Machine Learning Method for Screening Children with Patent Ductus Arteriosus using Intelligent Phonocardiography -- Identification of medical IoT devices APIs through ontology mapping techniques -- Context Awareness as resource for monitoring elderly depressed -- Telemonitoring Devices

Sommario/riassunto

This book presents papers from HealthyIoT 2018, the fifth edition of an international scientific event series dedicated to Internet of Things and Healthcare. The papers discuss leveraging a set of existing and emerging technologies, notions and services that can provide many solutions to delivery of electronic healthcare, patient care, and medical data management. HealthyIoT brings together technology experts, researchers, industry and international authorities contributing towards the design, development and deployment of healthcare solutions based on IoT technologies, standards, and procedures. HealthyIoT 2018 is part of the 4th annual Smart City 360Summit, promoting multidisciplinary scientific collaboration to solve complex societal, technological and economic problems of emerging Smart Cities. The event is endorsed by the European Alliance for Innovation, an international professional community-based organisation devoted to the advancement of innovation in the field of ICT. Features practical, tested applications in IoT for healthcare; Includes application domains such as eHealth Systems, smart textiles, smart caring environments, telemedicine, wellness, and health management, etc; Applicable to researchers, academics, students, and professionals.
