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Nota di contenuto   A secured smartphone-based architecture for prolonged monitoring of neurological gait -- Vision-Based Remote Heart Rate Variability Monitoring using Camera -- How accurate are smartphone accelerometers to identify intermittent claudication? -- Distributed Multivariate Physiological Signal Analytics for Drivers' Mental State Monitoring -- An Efficient Design of a Machine Learning-Based Elderly Fall Detector -- Characterization of home-acquired blood pressure time series using multiscale entropy for patients treated against kidney cancer -- A Heterogeneous IoT-based Architecture for Remote Monitoring of Physiological and Environmental Parameters -- An RFID

based Activity of Daily Living for Elderly with Alzheimer's -- Automated Recognition and Difficulty Assessment of Boulder Routes -- e-PWV: a web application for assessing online carotid-femoral pulse wave velocity -- Automatic Autism Spectrum Disorder Detection thanks to Eye-Tracking and Neural Network-Based Approach -- Automatic detector of abnormal EEG for preterm infants -- Non-invasive Analytics based Smart System for Diabetes Monitoring -- Cloud-based Data Analytics on Human Factor Measurement to Improve Safer Transport -- Run-Time Assurance for the E-care@home System -- Scalable Framework for Distributed Case-based Reasoning for Big data analytics -- Deep Learning based Person Identification using Facial Images.

| Sommario/riassunto | This book constitutes the proceedings of the Fourth International Conference on Internet of Things (IoT) Technologies for HealthCare, HealthyIoT 2017, held in Angers, France, in October 2017. The IoT as a set of existing and emerging technologies, notions and services can provide many solutions to delivery of electronic healthcare, patient care, and medical data management. The 17 revised full papers presented were carefully reviewed and selected from 23 submissions. The papers cover topics such as healthcare support for the elderly, real-time monitoring systems, security, safety and communication, smart homes and smart caring environments, intelligent data processing and predictive algorithms in e-Health, emerging e-Health IoT applications, signal processing and analysis , the smartphones as a healthy thing, machine learning and deep learning, and cloud computing. |