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   Nota di contenuto   Enhancing the Self-Aware Early Warning Score System through Fuzzified Data Reliability Assessment -- Continuous Mobility Monitoring of Parkinson's Disease Patients Using Smartphones -- Design and Development of the MedFit App: A Mobile Application for Cardiovascular Disease Rehabilitation -- Adoption of Mobile Apps for Mental Health: Socio-Psychological and Technological Factors -- Ultra Low Power Programmable Wireless ExG SoC Design for IoT Healthcare System -- Channel Modeling of in-vivo THz Nanonetworks: State-of-the-art and Research Challenges -- Designing and Evaluating a Vibrotactile Language for Sensory Substitution Systems -- Online Monitoring of Posture for Preventive Medicine using Low-Cost Inertial Sensors -- Energy Harvesting Based Glucose Sensor -- A Novel

Algorithm to Reduce Machine Learning Efforts in Real-Time Sensor Data Analysis -- A Method for Simplified HRQOL measurement by Smart Devices -- An Open, Labeled Dataset for Analysis and Assessment of Human Motion -- Watchful-Eye: a3D Skeleton-based System for Fall Detection of Physically-Disabled Cane Users -- A virtual reality-based physical and cognitive training system aimed at preventing symptoms of dementia -- Improved Patient Engagement in Self-Management of Health, a Key to Sustainable Preventative Healthcare Systems -- NESTORE: a Multidomain Virtual Coach for Active and Healthy Ageing -- GeriatricHelper: iterative development of a mobile application to support geriatric assessment -- A mHealth Patient Passport for Adult Cystic Fibrosis Patients -- Suitability of Event-Based Prompts in Experience Sampling Studies Focusing on Location Changes Advances in Personalized Healthcare Services -- Multi-modal user interface design for a face and voice recognition biometric authentication system -- Gaze Alignment Techniques for Multipoint Mobile Telemedicine for Ophthalmological Consultations -- Developing a context-dependent tuning framework of multi-channel biometrics that combine audio-visual characteristics for secure access of an eHealth platform -- QuantifyMe: An Automated Single-Case Experimental -- Discriminant Analysis based EMG Pattern Recognition for Hand Function Rehabilitation Advances in Soft Wearable technology for Mobile-health 25 Presentation of a New Sensor Enabling Reliable Real -- Real-time Schizophrenia Monitoring using Wearable -- Comparison of Predictive Equations for Basal Metabolic Rate -- Secure Mobile Automation of Ecological Momentary Assessments (EMA) For Structured Querying -- MoodRush: Designing a Language-free Mobile App for Mood Self-assessment -- Supporting Technologies for Improving Formal Care Management of Senior Patients with Alzheimer's Disease -- Benefits and Limitations of the Use of Smartphones by Healthy Older Individuals.

| Sommario/riassunto | This book constitutes the refereed post-conference proceedings of the 7th International Conference on Mobile Communication and Healthcare, MobiHealth 2017, held in Vienna, Austria, in November 2017. The 34 revised full papers were reviewed and selected from more than 50 submissions and are organized in topical sections covering data analysis, systems, work-in-process, pervasive and wearable health monitoring, advances in healthcare services, design for healthcare, advances in soft wearable technology for mobile-health, sensors and circuits. |