

1. Record Nr.	UNINA9910824894303321
Titolo	pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health, 26-28, 2013, Tallinn, Estonia // edited by Bernd Blobel, Peter Pharow and Liisa Parv
Pubbl/distr/stampa	Washington, DC : , : IOS Press, , [2013] ©2013
ISBN	1-61499-268-1
Descrizione fisica	1 online resource (224 p.)
Collana	Studies in health technology and informatics, , 0926-9630 ; ; volume 189
Altri autori (Persone)	BlobelBernd PharowPeter ParvLiisa
Disciplina	610.284
Soggetti	Biosensors Medical innovations Wearable computers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes indexes.
Nota di contenuto	""Title Page""; ""Preface""; ""pHealth 2013 Scientific Program Committee and Reviewers""; ""Acknowledgement""; ""Contents""; ""Keynotes""; ""Wearable and Micro and Nano Technologies for pHealth: R&D Achievements to Enable Future Innovation""; ""Translational Medicine Meets New Technologies for Enabling Personalized Care""; ""Basics, Requirements and Solutions Enabling pHealth""; ""Personal Portable Devices as Enablers for Advanced pHealth Decision Support and Decision Making Services""; ""Virtual Physiological Human and Its Role for Advanced pHealth Service Provision"" ""Towards Large-Scale Data Analysis: Challenges in the Design of Portable Systems and Use of Cloud Computing""""Case-Based Reasoning in Intelligent Health Decision Support Systems""; ""Ethicted (Evaluation Process Model to Improve Personalised ICT Services for Independent Living and Active Ageing) - Future Scenario""; ""Measurements and Methodologies for pHealth""; ""A Wireless Multi-

Channel Bioimpedance Measurement System for Personalized Healthcare and Lifestyle"; "Unsupervised Abnormal Human Behaviour Detection Using Acceleration Data"; "Using Sensors and Facial Expression Recognition to Personalize Emotion Learning for Autistic Children"; "A MATLAB Toolbox for Classification and Visualization of Heterogenous Multi-Scale Human Data Using the Disease State Fingerprint Method"; "EEG Sensor Based Classification for Assessing Psychological Stress"; "Wearable and Implantable Devices and Systems"; "Wearable Textile-Based Phototherapy Systems"; "Implantable Medical Devices MRI Safe"; "Wearable System for Non-Invasive and Continuous Monitoring Central Aortic Pressure Curve and Augmentation Index"; "Wearable Data Acquisition System of Multimodal Physiological Signals for Personal Health Care"; "Hand-Arm Vibration Exposure Monitoring with Wearable Sensor Module"; "State-of-the-Art of Wearable EEG for Personalized Health Applications"; "User Acquaintance with Mobile Interfaces"; "Rehabilitation and Elderly Care"; "Senior-Driven Design and Development of Tablet-Based Cognitive Games"; "Home Rehabilitation System Supported by the Safety Model"; "Physical Activity Classification for Elderly Based on Pulse Rate"; "Neuro-Physical Rehabilitation by Means of Novel Touch Technologies"; "pHealth-Related European Projects"; "Exploitation and Commercialization Within the EU FP7 Project PASCA"; "AsTeRICS"; "universAAL: Towards the Assisting Technologies Market Breakthrough"; "European Research on Wireless Endoscopy - The VECTOR Project"; "Criteria for Successful Uptake of AAL Technologies: Lessons Learned from Norwegian Pilot Projects"; "Subject Index"; "Author Index"

Sommario/riassunto

Health technologies for personalized medicine have become important enablers for monitoring and treatment in both inpatient and outpatient care. The benefits of these technologies lead not only to improvements in medical services quality for all stakeholders, but also to new healthcare business models, promising a better containment of healthcare costs. This book presents the proceedings of the 2013 pHealth Conference, held in Tallinn, Estonia, in June 2013. The pHealth conferences have established themselves as the leading international conference series on wearable or implantable micro and na
