

1. Record Nr.	UNINA9910463072503321
Titolo	Telehealthcare computing and engineering : principles and design / / Fei Hu (ed.)
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, , 2013
ISBN	0-429-07057-8 1-57808-802-X
Descrizione fisica	1 online resource (xix, 726 pages) : illustrations ;
Altri autori (Persone)	HuFei <1972->
Disciplina	610.285
Soggetti	Telecommunication in medicine Medicine - Computer network resources Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Wearable healthcare-monitoring systems using e-textiles and wireless sensor networks / Gregorio López, Victor Custodio and José Ignacio Moreno -- Outdoor wireless networks for healthcare applications: reliability optimization through prognostics and health management / Bernard Fong and A.C.M. Fong -- Remote assessment of health in oledr and frail adults living independently through mobility assessment / Peter G. Jacobs -- Virtual reality-based tele-rehabilitation computing / Fei Hu [and others] -- Tele-rehabilitation system based on augmented feedback for people with parkinson's disease: design principle / Laura Rocchi [and others]. Reconfigurable solutions in telemedical cardiac monotoring / Piotr Augustyniak -- Health technology assessment of telemedicine for patient suffering from heart failure / L. Pecchia, P. Melillo and N. De Luca -- Cardiac fetal monitoring / Martín Rubén-Clemente -- Healthcare sensor and system / Hongda Chen, Weihua Pei and Xu Zhang -- Medical sensing using doppler radar / Aditya Singh, Olga Boric-Lubecke and Victor Lubecke -- Continuous glucose monitoring in diabetes: sensor engineering and remote monitoring / W. Kenneth Ward. Multiscale quality control of telemedicine ECG signal acquisition / Chen Kan, Yun Chen and Hui Yang -- Development of a low-frequency

microphone for measurement of bio-signals by mobile phones for ubiquitous medical and healthcare monitoring / Yosuke Kurihara and Kajiyo Watanabe -- Small is beautiful and smart / James B. Wendt, Saro Meguerdichian and Miodrag Potkonjak -- Implantable medical devices: architecture and design / Fei Hu [and others] -- RFID for telehealthcare applications / Fei Hu [and others] -- Printed circuit board design for implantable and wearable medical electronics / Michael Rothfuss, Ajay Ogirala and Marlin H. Mickle.

A systematic approach for automated pattern recognition in histological samples of multiple cancers / Nikita V. Orlov and Ilya G. Goldberg -- Multiscale quality control of telemedicine ECG signal acquisition / Chen Kan, Yun Chen and Hui Yang -- Enhanced remote health monitoring: home monitoring of patients suffering from congestive heart failure via heart rate variability analysis / P. Melillo and L. Pecchia -- Symbolic approach to motion analysis: framework and gait analysis case studies / Anita Sant'Anna and Nicholas Wickström -- Speech analysis for ambient assisted living: technical and user design of a vocal order system / Michel Vacher [and others]. Medical image search and retrieval for improved tele-healthcare / Devrim Unay and Ahmet Ekin -- Sleep stage estimation algorithm as a one application for the ubiquitous medical and health care monitoring / Yosuke Kurihara and Kajiyo Watanabe -- Simultaneous trust and privacy in medical systems using public physical unclonable functions / Saro Meguerdichian, James B. Wendt and Miodrag Potkonjak -- Implantable medical device security from a machine learning perspective / Fei Hu [and others] -- Establishing ethical guidelines for home-based telemedicine / Y. Tony Yang.
