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| Altri autori (Persone)  | M. GarciaNuno<br>GomezJorge Marx<br>PereiraSandra  |
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| Nota di contenuto       | Biomedical, and Health Informatics -- Deep learning glaucoma detection models in retinal images capture by mobile devices -- Diabetic Retinopathy Detection using Convolutional Neural Networks for Mobile Use -- Evaluating Rotation Invariant Strategies for Mitosis Detection through YOLO Algorithms -- Preliminary study of deep learning algorithms for metaplasia detection in upper gastrointestinal endoscopy -- Prediction of Ventricular Tachyarrhythmia using Deep Learning -- Development of a wrist rehabilitation game with haptic feedback -- Design and optimization of a mechanism, suitable for finger rehabilitation -- Health Information Systems -- Highlighting the danger of water storage zones in Baixo Tâmega Valley -- Measures to improve health performing of an accommodation building. A study case -- Medical and Healthcare Information Systems in Portugal: Short Literature Review -- Page Inspector - Web Page Analyser -- Medical, Communications and Networking -- Design of a Novel Reconfigurable Wearable Antenna Based on Textile Materials and Snap-on Buttons -- Signal/Data Processing and Computing For Health Systems -- |

Myocardial Infarction prediction using Deep Learning -- A Review on the Video Summarization and Glaucoma Detection -- A Generalization Study of Automatic Pericardial Segmentation in Computed Tomography Images -- A Platform Architecture for m-Health Internet of Things Applications -- A Review on Deep Learning based Automatic Lipreading -- An analysis of usage and reporting patterns in a mobile health application -- Artificial Intelligence based procedural content generation in serious games for health: The case of childhood obesity -- Building Digital Health Systems to support treatment administration: preliminary case study -- eSleepApnea - a tool to aid the detection of sleep apnea -- Exploring a Modular Approach for Deploying and Testing Cardiac Image Processing and Analysis Methods in the Clinical Workflow -- Getting contact to elderly associates through the ICT: an exploratory study -- Harnessing the Role of Speech Interaction in Smart Environments towards Improved Adaptability and Health Monitoring -- Integrated design method and Usability outcomes of a Mobile Application for Psychological Well-Being During Pregnancy -- Investigating the perception of the elderly population about comfort, safety and security when using active modes of transport -- Machine Learning for Drug Efficiency Prediction -- Remote Secured Monitoring Application for Respiratory Ventilator Implementations -- Understanding User Trust in Different Recommenders and Smartphone Applications -- Using Wearable Devices to Mitigate Bias in Patient Reported Outcomes for Aging Populations.

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Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the 11th International Conference on Wireless Mobile Communication and Healthcare, MobiHealth 2022, held in November 30 – December 2, 2022, Via Virtual. The 28 full papers, 1 Demo paper and 1 Poster paper of MobiHealth 2022 were carefully selected from 75 submissions and present science and technology aspects in the field of wireless communication, mobile computing and healthcare applications. The conference papers are organized in topical sections on Biomedical, and Health Informatics, Health Information Systems, Medical, Communications and Networking, Signal/Data Processing and Computing For Health Systems.

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