Advances in IoT, AI and Sensor-Based Technologies for Disease Treatment, Health Promotion and Ageing Well

Guest Editors:

Dr. Mevludin Memedi
1. Informatics, Business School, Örebro University, 701 82 Örebro, Sweden
2. College of Business, Alfaisal University, Riyadh 11533, Saudi Arabia

Dr. Vanessa Leung
Center for Digital Health and Social Innovation, St. Pölten University of Applied Sciences, Campus-Platz 1, 3100 St. Pölten, Austria

Dr. Vida Groznik
Faculty of Mathematics, Natural Sciences and Information Technologies, University of Primorska, 6000 Koper, Slovenia

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Message from the Guest Editors

Advancements in the IoT, AI, and sensor technologies have vastly improved remote health monitoring and personalized interventions for health and wellbeing. In disease treatment, sensor technologies can track and analyze individuals' vital health signs, potentially leading to improved and earlier diagnosis, disease prevention, risk stratification, treatment efficacy, and follow-up care. Since individual digital biomarker profiles, AI can empower patients by providing personalized and tailored pharmacological and non-pharmacological interventions and recommendations and by facilitating improved dialogue between doctors and patients. Integrating sensors and AI into innovations for improving healthcare beyond clinical environments has also allowed interventions for healthy living through active assisted living and digital health technologies for wellbeing, which can potentially revolutionize disease treatment, health promotion, and active ageing. This Special Issue aims to compile original research and review articles on recent advances, technologies, solutions, applications, and challenges in IoT, AI, and sensors applied in healthcare and digital wellbeing.

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Special Issue

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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