



Secure IoT Adoption and Its Challenges in Health & Wellbeing Applications

Guest Editors:

Dr. Jims Marchang

Department of Computing,
Sheffield Hallam University,
Sheffield, UK

Prof. Dr. Steven Furnell

School of Computer Science,
University of Nottingham,
Nottingham NG8 1BB, UK

Dr. Bogdan Ghita

Faculty of Science and
Engineering, Plymouth
University, Drake Circus,
Plymouth PL4 8AA, UK

Deadline for manuscript
submissions:

closed (30 April 2022)

Message from the Guest Editors

Further opportunities for the use of IoT in health and wellbeing management systems include direct and indirect monitoring of elderly people, infants, handicapped individuals, and mental health patients, as well as for fitness activity tracking. IoT provides the opportunity to create a safe, comfortable, and welcoming personalized environment to encourage improved health and overall wellbeing. The adoption of wearable devices is just the beginning of a future pervasive and robust IoT-based health and wellbeing management infrastructure.

This Special Issue focuses on the design, implementation, testing, and issues encountered by IoT health and wellbeing applications. Topics covered in this issue will include uncompromised privacy and security during remote monitoring and tracking, mobile health, environmental monitoring, fitness and body activity recording, smart hospital management, device access control, healthcare compliance and regulations, secure data recording systems, trust-based data storing mechanisms, tamperproof storage for sensitive data, or any schemes that support reliable and secure management of health and wellbeing data.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health
Disparities Research and
Innovation, Richard Dixon
Research Center, Morgan State
University, 1700 E. Cold Spring
Lane, Baltimore, MD 21251, USA

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Public Health, Environmental and Occupational Health)

Contact Us

*International Journal of
Environmental Research and Public
Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijerph
ijerph@mdpi.com
[X@IJERPH_MDPI](https://twitter.com/IJERPH_MDPI)