



sensors



an Open Access Journal by MDPI

Recent Advances in Security and Reliability for Wireless Body Area Networks

Guest Editors:

Dr. Sandeep Pirbhulal

Norsk Regnesentral (Norwegian Computing Center, NR), 0373 Oslo, Norway

Dr. Habtamu Abie

Norsk Regnesentral (Norwegian Computing Center, NR), 0373 Oslo, Norway

Dr. Svetlana Boudko

Norsk Regnesentral (Norwegian Computing Center, NR), 0373 Oslo, Norway

Deadline for manuscript submissions:

closed (20 May 2022)

Message from the Guest Editors

This Special Issue seeks the latest contributions and reviews from academia and industry based on their current research works or projects relevant to offering security and reliability solutions for WBANs. The topics of interest include but are not limited to:

- End-to-end security frameworks and architectures for healthcare;
- HW/SW threat detection and risk analysis in WBANs;
- Reliable intra/inter-WBANs protocols;
- Cryptographic/biosignal based security techniques for healthcare;
- AI/ML/DL concepts for protecting healthcare;
- Novel strategies for wellbeing and resilience;
- Reliability forecasting mechanisms for WBANs;
- Security and confidentiality of medical information transmission;
- Secure health information management in WBANs;
- Software testing approaches for reliable communication in WBANs;
- Decentralized schemes for trust management in healthcare;
- Adaptive security approaches for healthcare;
- Methods for addressing the unreliability of local devices



mdpi.com/si/93256

Special Issue



sensors



an Open Access Journal by MDPI

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

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)