Special Issue

Sensor Networks Security and Applications

Message from the Guest Editors

This special issue seeks contributions focused on improving the security of sensor networks for the sake of enabling the development of trustworthy data-driven services and applications. Identity management and access control in sensor networks Trust management in sensor networks Lightweight cryptography for sensor networks Risk management in sensors networks Intrusion detection systems for sensor networks Privacy-preserving data analytics Blockchain-based approaches to improve sensor networks security Network wide security and vulnerability assessment Application of software-defined networks and network functions virtualization in sensor networks Evolution of sensor networks toward 5G-enabled IoT systems Data-centric security for sensor networks Application of machine learning techniques for intelligent security in sensor networks Federated learning in sensor networks Secure orchestration of sensor networks

Security in low-power wide-area networks Efficient and scalable security for sensor networks Standardization activities for secure sensor networks Enforcement of data protection regulations based on secure sensor networks

Innovative use cases and scenarios based on sensor networks

Guest Editors

Dr. José L. Hernández Ramos Dr. Georgios Kambourakis Prof. Dr. Erol Gelenbe Dr. Gianmarco Baldini

Deadline for manuscript submissions

closed (30 November 2021)



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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.

Editor-in-Chief

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