Special Issue

Recent Advances in Wireless Sensor Networks and Communications

Message from the Guest Editors

Developments in wireless communication networks, sensors, and device manufacturing have given rise to the widespread deployment of wireless sensor networks. This infrastructure now serves a number of applications, ranging from geographical monitoring, medical care, manufacturing, and transportation to military and surveillance systems. These have unique challenges that need to be met for efficient deployment and operation. Due to the resource-limited nature of networked sensor devices, the design, both at the hardware and the software level, must be energyefficient and lightweight and at the same time guarantee the needed levels of performance and security. This Special Issue aims to serve as a platform to report and present recent advances in the field. Original contributions are solicited in all the relevant issues in wireless sensor networks, including but not limited to:

- Protocols and architectures for multihop wireless sensor networks;
- Protocols and architectures for LPWANs;
- Novel protocols and architectures;
- Network security protocols;
- Privacy issues;
- Novel applications/testbeds;
- Performance evaluation.

Guest Editors

Prof. Dr. Petros Nicopolitidis

Department of Informatics, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Prof. Dr. Konstantinos E. Psannis

Department of Applied Informatics, University of Macedonia, 54636 Thessaloniki. Greece

Deadline for manuscript submissions

closed (30 June 2023)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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