Special Issue

Reconfigurable Sensor Networks

Message from the Guest Editor

Sensor networks are typically composed of a large number of sensor nodes that are limited in resources, such as energy, memory, computational power, and communication. They tend to be deployed in adversarial, harsh, and dynamic unattended environments. This makes the ability of these networks to reconfigure themselves, at the node level as well as at the network level, both a necessity and an advantage. The objective of this Special Issue on Reconfigurable Sensor Networks is to disseminate the results of research work conducted on this topic based on a peer-review process. Related topics of interest include (but are not limited to):

- Collaborative strategies, control, and decision making;
- Strategies for fault-tolerance and recovery;
- Biologically inspired reconfigurable sensor networks;
- Unpowered reconfigurable sensor networks;
- Context-aware reconfigurable sensing;
- Self-organizing sensor networks;
- Collaborative in-network processing;
- Reconfigurable mechanisms and strategies for sensor fusion;
- Topology and mobility management;
- Tiny OSs and reconfigurability;
- etc.

Guest Editor

Prof. Dr. Otman A. Basir

Department of Electrical & Computer Engineering, University of Waterloo, Waterloo, ON N2L 3G1, Canada

Deadline for manuscript submissions

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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

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

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