Wireless Sensor Networks for Water and Environmental Monitoring

Guest Editor:

Dr. Lorena Parra
Research Institute for Integrated Management of Coastal Areas (IGIC), Universitat Politècnica de València, 46022 València, Spain

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Message from the Guest Editor

In the era of big data and the Internet of things, wireless sensor networks are essential for generating data. The use of wireless sensor networks (WSN) for environmental monitoring can provide an excellent tool to analyze the changes and impacts caused by human activity. Even the use of WSN for water and environmental monitoring is not a new idea; we can find several gaps in the current proposals.

The current high-cost of sensors and nodes, the elevate power consumption, and the requirement of maintenance are some of the outstanding issues. Furthermore, the coexistence of several communication technologies with different characteristics (bandwidth, coverage, and power consumption) is another topic that must be addressed when designing a WSN.

This Special Issue will collect the latest advances in WSN for water and environment monitoring, including, but not limited to, design and calibration of new sensors, development of WSN for innovative applications, or performance of deployed WSN for long term monitoring.

Special Issue

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

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