Special Issue

Wireless Sensors Networks: Alternative Power Supply, Signal Transmission—Current State and Development Prospects

Message from the Guest Editors

The issue of wireless sensor networks is one of the most dynamically developing branches of modern metrology. In wireless sensor networks, two issues require detailed analysis. These are ensuring a continuous and stable power supply to the measuring node, and optimization of algorithms controlling its operation. This Special Issue aims to present the latest trends in both of these issues and to show the likely path of development of wireless sensor networks. We are collecting articles on a wide spectrum of issues related to the proposed topic. The thematic scope can be found below:

- Design of energy-saving sensors of non-electrical quantities;
- Information processing algorithms for wireless sensor networks;
- Experimental research on sensor networks;
- Energy-saving methods of signal transmission;
- Applications of wireless sensor networks in monitoring environmental and health parameters;
- Energy harvesting, and linear and nonlinear generators;
- The use of physical phenomena as a potential source of electricity;
- Signal conditioning at measurement nodes;
- Batteries and energy storage for wireless sensor networks.

Guest Editors

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Dr. Łukasz Makowski

Deadline for manuscript submissions

closed (20 April 2023)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/100779

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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