Special Issue

Battery-Free IoT Devices and Networks

Message from the Guest Editor

This Special Issue solicits high-quality unpublished work on recent advanced in battery-free IoT devices, computing, communications and networking. The main topics of interest include, but are not limited to, the following:

- Power management concepts, algorithms and circuits for energy-harvesting on battery-free devices
- Novel (hybrid) energy harvesting circuits, architectures and concepts for battery-free devices
- Synchronization techniques for intermittently powered devices
- Communications and networking protocols (e.g., channel access, routing) for battery-free devices
- Online measurement and prediction of device energy lifecycles
- Hardware and software concepts, algorithms and circuits for intermittent computing
- Scheduling algorithms and operating system support for intermittent computing models
- Architectures and standards for the Internet of Battery-Free Things
- Performance modelling and evaluation of battery-free devices and networks
- Battery-free device and network prototypes, real-world deployments, and performance evaluations

Guest Editor

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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.

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