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Battery-Free IoT Devices and Networks

Guest Editor:

Dr. Jeroen Famaey

Internet and Data Lab (IDLab),
University of Antwerp – imec,
2000 Antwerp, Belgium

Deadline for manuscript
submissions:

closed (10 December 2021)

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This Special Issue solicits high-quality unpublished work on recent advanced in battery-free IoT devices, computing, communications and networking.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



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Special Issue



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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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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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