



## Energy Harvesting Technologies and Applications for the Internet of Things and Wireless Sensor Networks

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Deadline for manuscript  
submissions:

**closed (29 April 2022)**

### Message from the Guest Editors

Dear Colleagues,

Widespread installation of wireless sensor systems facilitates the evolution of new technology trends such as the Internet of Things (IoT), which in turn can revolutionize numerous fields including predictive maintenance, industry automation, and big data collection. Therefore, there is a growing demand for maintenance-free deployment of wireless sensors by integrating energy harvesting technologies to eliminate costly cable installations and battery replacements.

The aim of this Special Issue is to gather the latest original developments in energy harvesting technologies and applications in the industrial Internet of Things. Specifically, this Special Issue will cover, but not be limited to, the following areas:

- Novel energy harvesting principles and device structure designs;
- Energy harvesting transducers (e.g., thermoelectric, photovoltaic, electromagnetic, piezoelectric, triboelectric);
- Flexible harvesters and nanogenerators;
- Self-powered integrated/embedded sensor systems;
- Wireless sensor networks powered by energy harvesting;
- Surveys and original contributions about the feasibility of energy harvesting in real applications.





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## Message from the Editor-in-Chief

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