# Special Issue

# Thermoelectric Energy Harvesting and Sensing

### Message from the Guest Editor

Energy harvesting by thermoelectric effects offers an alternative source of usable electrical power by capture and conversion of available thermal energy in the environment. By creative and innovative design and integration, feasible and reliable thermoelectric systems can be investigated to provide efficient and reliable energy harvesting systems for sensory platforms. Potential topics of this Special issue include, but are not limited to the following:

- Design and modelling of thermoelectric generators for low-power sensor and actuator devices, and condition monitoring;
- Co-designing and co-optimization of integrated energy-harvesting system elements;
- Manufacturing, testing and verification of thermoelectric-based energy harvesting systems;
- Low cost strategies and packaging system integration technologies for self-powered and self-sustainable IoT-enabled systems and smart energy networks;
- Reliability and feasibility studies and consideration of the critical problems of energy harvesting systems;
- Maximum power pint tracking and power management of the energy harvesting systems.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2021)

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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.

## Editor-in-Chief

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