

Special Issue

Energy Harvesters and Self-Powered Sensors for Smart Electronics, 3rd Edition

Message from the Guest Editors

In recent years, we have witnessed the revolutionary innovation and flourishing development of the Internet of Things (IoT), which will further proliferate with the gradual rollout of the fifth-generation (5G) wireless network across the globe. Enabled by the ultrahigh-speed data communication capability of 5G, various IoT systems can be envisioned by linking numerous interrelated electronic devices together in an integrated and interconnected network. Within these complicated and widely distributed systems, energy supply in the IoT era is gradually migrating from a centralized and ordered supply mode towards a mobile and in situ supply. Compared to current battery technology, energy-harvesting technologies that scavenge available energies from the ambient surroundings exhibit great advantages as an energy supply. This Special Issue seeks to showcase research papers and review articles that are focused on advanced developments in the design, fabrication, integration, and application of energy-harvesting technologies, with a particular focus on energy harvesters, nanogenerators, self-powered sensors and systems.

Guest Editors

Prof. Dr. Qiongfeng Shi

School of Electronic Science and Engineering, Southeast University, Nanjing 210096, China

Prof. Dr. Huicong Liu

School of Mechanical and Electric Engineering, Soochow University, Suzhou 215123, China

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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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Micromachines (ISSN 2072-666X) is a forum for cutting-edge interdisciplinary research on micro and nanoscale science and technology. We emphasise the practical, real-world value of micro and nanotechnologies that will place *Micromachines* in a leading position among engineering and technology journals.

Editor-in-Chief

Prof. Dr. Nam-Trung Nguyen

Queensland Quantum and Advanced Technologies Research Institute,
Griffith University, West Creek Road, Nathan, QLD 4111, Australia

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