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Latest Advances in Energy Harvesting Technologies and Applications

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Message from the Guest Editors

With the rapid evolution of fifth-generation (5G) wireless technology, numerous IoT systems can be implemented in various fields. These technologies critically rely on a large number of electronics and sensors which are linked together in an integrated network. The major challenge in developing these technologies is to power these portable electronic devices and widely distributed sensors. Currently, the popular resolution is to adopt electrochemical battery technology as a portable and on-site power source. However, traditional batteries often have a limited lifespan, are difficult to replace or recharge, and sometimes, abandoned batteries pose environmental risks. Therefore, the energy harvesting technologies that capture energies from the ambient environment and act as sustainable power sources can be a promising solution. Recently, considerable innovation has taken place in various energy-harvesting technologies to cope with the current challenges.

Accordingly, this Special Issue aims to present new research works and review articles that are focused on the latest advances of energy harvesting technologies and their applications.

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Message from the Editor-in-Chief

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