

Special Issue

Latest Advances in Energy Harvesting Technologies and Applications

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.

Guest Editors

Dr. Md Salauddin

Department of Electronic Engineering, Kwangwoon University, 20 Kwangwoon-ro, Nowon-gu, Seoul 01897, Korea

Dr. Muhammad Toyabur Rahman

Brain Science Institute, Korea Institute of Science and Technology, Seoul 02792, Korea

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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