

Sensors and Materials

Special Issue on Smart Mechatronics for Energy Harvesting

Call for Papers

Energy harvesting is now regarded as one of the key technologies for realizing self-powered, maintenance-free, and autonomous wireless network systems for the coming next-generation Internet of Things era. The technological advancement of energy harvesting devices/systems can be achieved by the development of both mechanical and electrical aspects. This is because one characteristic affects the other, and the performance of energy harvesting devices/systems is related to the performance of both. Thus, it is essential to present and share the knowledge of a variety of related methodologies. With this background, this special issue will focus on state-of-the-art mechatronics technologies for energy harvesting and will cover a wide range of topics including materials, mechanics, electronics, fabrication processes, and applications.

Scope:

- Mechatronics for energy harvesters
- Materials for energy harvesters
- Power management systems/circuits for energy harvesters
- Self-powered sensor/actuator systems for energy harvesters
- Fabrication processes for energy harvester development
- Modeling and analysis of energy harvesting devices/systems
- Applications of energy harvesting devices/systems

Submission due date: September 30, 2021

Publication date (planned): February 2022

Journal website: <https://myukk.org/>

Guest Editor: Assoc. Prof. Daisuke Yamane (Ritsumeikan University)

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If you have any questions, please feel free to contact the editorial staff at the address below.

Editorial Department of *Sensors and Materials*

MYU K.K.

1-23-3-303 Sendagi, Bunkyo-ku, Tokyo 113-0022, Japan

Tel: +81-3-3827-8549, Fax: +81-3-3827-8547

E-mail: myukk@myu-inc.jp

