

Call for Papers

Sensors and Materials

Special Issue Title: Advanced Materials and Sensing Technologies on IoT Applications

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Special Issue Information

Dear Colleagues,

In recent years, applications of advanced materials and sensing technologies in electronic and mechanical devices have become rapidly developing fields. Manufacturing is the economic lifeline of a country and has been regarded as a labor-intensive industry. Therefore, to cut production costs, devices for the internet of things (IoT) have been widely developed. IoT is composed of most integrated end devices and facilities, such as intelligent sensors for internal control, industrial systems, mobile terminal systems, floor control systems, and home intelligent facilities. Smart devices and external control information are utilized with the hope of attracting companies that manufacture high-value-added products in the fields of aerospace, automotives, IT molds, textiles, optoelectronics, watches, medical devices, defense, automation, energy, and semiconductor-related parts and components to drive the country's economy. Therefore, the key to maintaining a competitive advantage in domestic manufacturing in the future is still to rely on the development of advanced manufacturing and precision machinery-related technologies. The scope of this Special Issue, "Advanced Materials and Sensing Technologies on IoT Applications," covers fundamental materials used in electronic, mechanical, and electrical engineering including their synthesis and

integration with many elements, the design of electronic and optical devices, sensing technologies, evaluation of various performance characteristics, and exploration of their broad applications to industry, environmental control, materials analyses, and so forth. We invite investigators to contribute original research articles, as well as review articles, that will stimulate the continuing efforts to develop electronic and mechanical devices and optical sensors. Potential topics include, but are not limited to:

- Applications of electronic devices and mechanical sensors on IoT
- Sensing technologies on IoT applications
- Advanced materials with new electronic and mechanical properties
- Advanced materials for preparation and applications on IoT
- Subjects related to electronic thin films and coating technologies
- Synthesis engineering of advanced materials
- Advanced materials for mechatronics on IoT applications
- Novel sensors for IoT applications
- Medical and health (wearable, implantable, etc.) applications of sensors
- Remote sensing on IoT applications
- Sensors on robotics

Schedule

Deadline for Manuscripts: December 31, 2021

First Round of Reviews: January 31, 2022

Second Round of Reviews: March 31, 2022

Acceptance of Final Papers: April 30, 2022

Publication: May 31, 2022

(Attention)

As stated in Instructions to Authors in the Guidelines, the author(s) will be obliged to pay the publication fee upon the acceptance of the manuscript for publication (for example, JPY 99360 for 10 pages in *Sensors and Materials* format). If the quality of the English of your manuscript does not satisfy the journal standards, the authors should bear the proofreading fee (JPY 10000–30000), which will be charged with the publication fee.

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

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