

Special Issue on Advanced Micro and Nanomaterials for various Sensor Applications (Selected Papers from ICASI 2019)

Special Issue Information

5th IEEE International Conference on Applied System Innovation 2019 (ICASI 2019) will be held in Fukuoka, Japan on April 11-15, 2019, and it will provide a unified communication platform for researchers with the topics of electrical engineering, material science and related fields.

Various Sensors and Flexible optoelectronics are attracting a great deal of attention in recent years due to their potential applications in healthcare monitoring, biomedicine, electronic skin, wearable sensing technology, soft robotics, flat panel displays, safety equipment, smart systems and future space applications. The aim of this special issue is to publish novel and high quality research papers (experimental, theoretical, or simulation works) as well as review articles addressing recent advances on cutting-edge flexible electronics and sensors based on micro/nanomaterials. Research and review articles should provide a comprehensive insight into characterization and understanding of functional micro/nanomaterials properties with the application of scanning techniques. Manuscript submitted to Sensors and Materials journal must be not published previously or under consideration for publication elsewhere. Potential topics include, but are not limited to:

- Design, synthesis and characterization of functional Micro/ Nanomaterials for sensing applications and electronic devices
- Chemical and gas sensors based on Micro/Nano sensing materials
Advanced materials in mechatronics applications
- Molecular dynamics simulation and quantum chemical calculations for Micro/ Nanomaterials related to sensing applications and flexible electronics
- Theories and principles related to Micro/Nanomaterials, Chemical and gas sensing, and flexible electronics
- Sensors and flexible electronics for future food and agricultural applications
- Advanced scanning techniques for characterization of sensors and flexible electronics

Schedule

Manuscript Due: October 31, 2019

First Round of Reviews: November 30, 2019

Second Round of Reviews: January 31, 2020

Acceptance of Final papers: March 1, 2020

Publication: May 31, 2020

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