



Microelectronics in Korea - Emerging Electronic Components and Electronic Devices in Industrial 4.0 Era

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Message from the Guest Editors

Industry 4.0 has already begun, encompassing an era of new materials and their applications in a variety of electronic systems. This Special Issue aims to provide a comprehensive collection of the state-of-the-art electronic components and devices in Korea. Full research, reviews and high-quality manuscripts addressing new electronic materials, components, devices and systems are welcome. Topics addressed in this Special Issue include the following (but are not limited to):

- Emerging memory devices;
- Electrical energy storage materials and devices;
- 2D materials and electronic devices;
- Micro- and nanodevices for the sensing applications;
- Energy saving, energy storage technologies;
- Battery materials and devices;
- Nanotechnology applications in electronic components;
- Nanomaterials for energy conversion;
- Nanotechnology in electronics;
- Nanocomposite dielectric materials;
- Super capacitors based on nanomaterials;
- Photovoltaics with nanomaterials aspects;
- Nanomaterial-based batteries;
- Nanomaterials for optoelectronic devices;
- Electrochemical capacitance.

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Special Issue



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Message from the Editor-in-Chief

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 guest-edited by leading experts in selected topics of interest.

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