



Applications of Nano-Electronic Devices

Guest Editor:

Dr. Sungjun Park

Department of Electrical and
Computer Engineering, Ajou
University, Suwon 16499,
Republic of Korea

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Message from the Guest Editor

Nano electronic devices and materials are promising owing to their inherent structural and material advantages, such as device miniaturization, densified integration, and low-power consumption. Simple approaches on nano-scale fabrication of devices and materials, compatible with large-area and solution process, accelerate basic understanding on operational mechanism of devices and/or formation mechanism of materials, respectively. It is manifested the dramatic achievement on functional electronic devices, including light emitting diodes, photodetectors, photovoltaics, transistors, memory and sensors. Furthermore, those devices with form-free flexible/stretchable characteristics exhibit unprecedented performances for human-friendly electronic applications.

- Advanced nano-materials for electronics
- Nano-scale electronic devices and sensors
- Novel nano-fabrication techniques for electronic devices
- Low-power consuming electronic devices
- On-demand applications of nano-electronic devices
- Flexible and stretchable nano-electronic devices





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Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
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Message from the Editor-in-Chief

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