



Applications of Advanced Sensors on Applied System Innovation of IoT (Internet of Things)

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Message from the Guest Editors

Dear Colleagues,

Internet of Things (IoT) devices offer huge potential for electronic component manufacturers, but their value clearly goes beyond this. Most of the added value in IoT solutions will come from the processing of the generated data. In fact, the ratio between electronic components and data processing can reach 1:50 in certain long-term cases. This is easily understandable, since the main purpose of the IoT is to make sensing ubiquitous at a very low cost, resulting in extremely strong price pressure on electronic component manufacturers.

Potential topics include, but are not limited to:

1. Electrochemical sensors/Biosensors on IoT
2. Electrical- and thermal-based sensors on IoT
3. Mass-sensitive and fiber-optic sensors on IoT
4. Optoelectronic and Photonic Sensors on IoT
5. Gas sensors on IoT
6. Sensor devices and sensor arrays/Nano sensors on IoT
7. Advanced sensors analysis and design for IoT
8. Applied System Innovation of advanced sensors on IoT

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