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Advances in CMOS-MEMS Devices and Sensors

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Deadline for manuscript
submissions:
closed (20 December 2024)

Message from the Guest Editor

Dear Colleagues,

The Special Issue aims to invite original and innovative topics describing the latest research in macro-scale, meso-scale, or micro-scale sensors or devices. For CMOS-MEMS microsensors, they may include novel methodologies or process integrations in all technology disciplines, even nanomaterial deposition for sensing and packaging requirements. These smart sensors with effective designs of transducing circuits do play a crucial role in a variety of next-generation applications such as pattern recognition, edge computing, big data analysis and AI deep learning, etc. Potential topics may include, but are not limited to, the following:

- “From macro to nano” sensors: design, fabrication, packaging and reliability
- CMOS-MEMS/NEMS sensors in specific or multi-disciplines
- Sensor testing, interface, correction and calibration techniques
- Smart sensors or sensory systems
- Transducing circuits for sensor modulation/demodulation
- Sensors for Internet of Things (IoT) and artificial intelligence (AI)



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Prof. Dr. Chih-Cheng Lu
Guest Editor

Special Issue



sensors



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Message from the Editor-in-Chief

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