

Special Issue

State-of-the-Art Sensors Technology in Canada 2020-2021

Message from the Guest Editors

The aim of this Special Issue is to provide a comprehensive overview on the state-of-the-art sensor technology of Canada. Research articles are invited, which will provide a consolidated, up-to-date perspective in this area. The Special Issue will publish full research, review, and other highly-rated manuscripts addressing the above aim. Potential topics include, but are not limited to:

- Acoustic, chemical, electromagnetic, physical, etc. sensors
- New sensor materials and membranes, etc.
- Sensor fabrication and packaging issues
- Hardware integration of sensing devices
- Embedded sensing systems
- Operating-condition-dependent designs (e.g., in implants, wearables, e-textiles, e-skins, stretchable electronics, hazardous environments, etc.)
- Power consumption and powering issues
- SWIPT and energy harvesting
- Sensor transceiver designs
- Wireless sensor networks (WSNs)
- WSN radio access technologies (WiFi, Bluetooth, Zigbee, LoRa, LTE-M, etc.)
- WSN propagation issues (RF/mmW/THz/etc. bands, interference, pathloss, etc.)
- Relaying, cooperation, and collaboration in WSNs
- Multi-sensor and/or multi-hop communication schemes, beamforming, clustering, etc.
- ...

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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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