

## 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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### Guest Editors

Prof. Dr. Sofiène Affes

Prof. Dr. Arafat Al-Dweik

Dr. Ahmad El-Assaf

Prof. Dr. Hossam S. Hassanein

Prof. Dr. Dushantha Nalin K. Jayakodi

Dr. George Shaker

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## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di  
Bari, Via Orabona 4, 70126 Bari, Italy

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