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# Sensor Technologies for Intelligent Transportation Systems

Guest Editors:

#### Dr. Xiwei Bai

Department of Aeronautical and Aviation Engineering, The Hong Kong Polytechnic University, Hong Kong, China

#### Dr. Yiran Luo

Department of Geomatics Engineering, University of Calgary, Calgary, AB T2N 1N4, Canada

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### **Message from the Guest Editors**

Dear Colleagues,

This Special Issue is dedicated to showcasing cutting-edge research and developments in sensor technologies that can be integrated into ITSs to address these challenges. Contributions may include studies on the use of various types of sensors such as LiDAR, radar, ultrasonic, camera, and thermal sensors, as well as the role of the Internet of Things (IoT) in enhancing sensor capabilities within ITS. Through this collection of high-quality research articles, we hope to foster the development of smarter, safer, and more efficient transportation systems for the future.

Topics of interests include, but are not limited to, the following:

- 1. Multi-sensor fusion for intelligent transportation system localization, including GNSS, IMU, LiDAR, camera, and high-definition map.
- 2. The integration of sensor data with vehicular and infrastructural systems.
- 3. Sensor-based predictive maintenance for transportation infrastructure
- 4. The application of machine learning and artificial intelligence in processing sensor data
- 5. The reliability and accuracy of sensor data study





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# **Editor-in-Chief**

#### Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

### Message from the Editor-in-Chief

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*Electronics* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/electronics electronics@mdpi.com  $\chi$ @electronicsMDPI