



Sensors for Transportation Systems

Guest Editors:

Prof. Noelia Correia

Center of Electronics, Optoelectronics, and Telecommunications (CEOT), Faculty of Sciences and Technology (FCT), University of Algarve, 8005-139 Faro, Portugal

Dr. Jonathan Rodriguez

Instituto de Telecomunicações, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

Dr. Tomás Mateo Sanguino

Department of Electronic Engineering, Computer Systems and Automatics, University of Huelva, Av. de las Artes s/n, 21007 Huelva, Spain

Deadline for manuscript submissions:

closed (31 March 2019)

Message from the Guest Editors

The availability of different affordable sensors, together with the control over these elements that has been enabled by the Internet of Things (IoT), is triggering the development of applications in many sectors, and transportation is undoubtedly one of them. The sensing and networking abilities of IoT nodes are key features to promoting smart, efficient, safe, and scalable solutions for high-quality services, as these enable communication, information processing, and control across transportation systems, allowing for dynamic real-time decisions to be taken.

Sensors can be placed inside transportation systems (e.g., PIRs to detect overcrowding of vehicles) and/or built into highways and surface streets (e.g., impact sensors) to help detect accidents, the amount of cars in each lane, etc. Such systems allow not only drivers to adapt operations in order to increase safety, but also for routes, fleets, and schedules to be dynamically adapted in order to improve the quality of service experienced by users (both drivers and customers) and reduce costs. These systems may require data transmission between vehicles (V2V), or between vehicles and roadside access points (V2R).





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)