



## Towards an Industrial Internet of Things (IIoT)

Guest Editors:

**Prof. Dr. Boudewijn R. Haverkort**

University of Twente, Faculty of Electrical Engineering, Mathematics & Computer Science, Zilverling (building no. 11), Hallenweg 19, 7522NH Enschede, The Netherlands

**Prof. Dr. Paul Havinga**

Pervasive Systems Group, Department of Computer Science, University of Twente, 7500 AE, Enschede, The Netherlands

Deadline for manuscript submissions:

**closed (31 May 2019)**

### Message from the Guest Editors

Dear Colleague,

Over the last few years, we have seen an enormous increase of the number of (wireless) sensors, which together make up the internet of things (IoT). The IIoT will revolutionize manufacturing by enabling the acquisition and accessibility of larger amounts of data, at much larger speeds and far more efficiently than before. This will in turn enable manufacturers to produce better products more efficiently and in a more sustainable fashion (by being more careful with resources). Furthermore, the resulting products, embedding IoT-nodes, will also become part of the IIoT; this will allow a more efficient use of the products, improving satisfaction and the products themselves. Finally, the IIoT will also change the way people work in industries: this aspect will also be considered in this Special Issue.

This Special Issue invites all sorts of contributions related to the IIoT, including studies on smart (wireless) sensor networks, cloud-based data collection techniques, machine learning in the IIoT context, improved manufacturing through the IIoT, predictive maintenance, work conditions changes for the human workforce, etc.





*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](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)