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Smart Sensor Technology and Engineering System Monitoring

Guest Editors:

Prof. Dr. Wilson Wang

Department of Mechanical Engineering, Lakehead University, Thunder Bay, Ontario P7B 5E1, Canada

Prof. Dr. Tonghai Wu

School of Mechanical Engineering, Xi'an Jiaotong University, 28 Xianning Road West, Xi'an 710049, China

Deadline for manuscript submissions:

closed (1 August 2022)

Message from the Guest Editors

Rapid advances in smart sensing technologies have provided new tools to collect signals for system health monitoring in different engineering sectors, such as mechanical, electrical, civil, and chemical engineering. Reliable monitoring information can be used in predictive maintenance to improve production quality, operation safety, and reliability, as well as to reduce maintenance costs. On the other hand, the application of smart sensor networks can provide a large amount of data with high variety and pose significant challenges on the signal processing side. This Special Issue focuses on smart sensor technology and its applications in health condition monitoring across different domains and engineering sectors. We welcome original research contributions and state-of-the-art reviews from academia and industry. The Special Issue topics include but are not limited to the following:

Smart sensor technology; Sensor networks and internet of things; Design, implementation, and testing of sensing systems; Fault detection and diagnosis of different engineering systems using sensor data; Prognostics and health management.



mdpi.com/si/54476

Special Issue



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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.

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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