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## Structural Health Monitoring: Advanced Sensing, Diagnostics and Prognostics

Guest Editors:

**Prof. Dr. Bing Li**

School of Aeronautics,  
Northwestern Polytechnical  
University, Xi'an 710072, China

**Prof. Dr. Yongbo Li**

School of Aeronautics,  
Northwestern Polytechnical  
University, Xi'an 710072, China

**Dr. Khandaker Noman**

School of Civil Aviation,  
Northwestern Polytechnical  
University, Xi'an 710072, China

### Message from the Guest Editors

Over recent decades, the field of Structural Health Monitoring (SHM) has been experiencing spectacular development. The applications have expanded from aerospace, mechanical, and civil engineering, now to essentially all other types of fundamental issues, including those in the nuclear, marine, and wind turbine industries. In view of this highly active research area at present, we are pleased to invite researchers to contribute original research papers, as well as review papers related to all aspects of advanced sensing, fault diagnostics, intelligence algorithms, and prognostics-based health monitoring and management. Topics include, but are not limited to, the following:

- Structural health monitoring (SHM);
- Non-destructive testing (NDT);
- Prognosis and health management (PHM);
- Self-diagnostics, prognostics, condition-based maintenance; and performance;
- Vibration and wave propagation methods for damage assessment;
- Feature extraction and signal processing of measured data;
- Damage identification based on artificially structured materials;
- Measuring techniques for condition monitoring;
- RUL prediction method based on intelligent algorithms.

Deadline for manuscript  
submissions:

**closed (31 March 2024)**



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# 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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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