Special Issue

Smart Sensing for Failure Diagnosis in Structures and Machine Components: 2nd Edition

Message from the Guest Editor

Catastropic performance failures in structures and machine components are always considered high risk. In the past, conventional sensing tools were used to diagnose the failure prior to any significant physical damage or reduction in performance. Failure diagnosis is now being performed in real time and in an effective manner due to the evolution in digital technologies, data communication rate, cloud storage, intelligent algorithms for big data, and virtual and augmented reality-based assessment. Sensing frameworks are now becoming smart with desired automation. This Special Issue will provide research focusing on failure diagnosis in structures and machine components with the help of smart sensing elements and technologies. Research using both invasive and non-invasive sensing for failure diagnosis is invited.

Guest Editor

Dr. Muhammad Khan

Centre for Life-Cycle Engineering and Management, Cranfield University, College Road, Cranfield MK43 0AL, UK

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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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.

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

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