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Advanced Fault Diagnosis and Health Monitoring Techniques for Complex Engineering Systems: 2nd Edition

Guest Editors:

Prof. Dr. Yongbo Li

Dr. Teng Wang

Dr. Khandaker Noman

Prof. Dr. Bing Li

Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

Over the last few decades, the field of fault diagnostics and structural health management has been experiencing rapid developments and the reliability, availability, and safety of engineering systems can be significantly improved by implementing multifaceted strategies of in situ diagnostics and prognostics. With the development of intelligence algorithms, smart sensors, and advanced data collection and modeling techniques, this challenging research area has been receiving ever-increasing attention in both fundamental research and engineering applications. This has been strongly supported by extensive applications ranging from the aerospace, automotive, transport, manufacturing, and processing industries to defense and the infrastructure industry. In view of the current state of the art and advances in this fast-growing discipline, in this Special Issue we are calling for papers related to all aspects of fault diagnostics, damage identification, and prognostics-based health management. A wide range of topics are covered, including new theories, methodologies, optimization, and applications in sensing, measurement, modeling, control, and prognostics.



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Special Issue



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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

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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