Special Issue

Artificial-Intelligence-Enhanced Fault Diagnosis and PHM

Message from the Guest Editors

In recent years, condition monitoring, diagnosis, and prognostics and health management (PHM) based on artificial intelligence (AI) has become a special research interest. It is a dynamic and valuable research goal to diagnose, predict, and maintain the faults in equipment by using an AI-enhanced algorithm combined with monitoring information, which has broader application prospects. We invite you to submit your contributions to the upcoming Special Issue, which covers all aspects of AI-enhanced diagnosis and PHM. Full-length papers, communications, and reviews are welcome. This Special Issue aims to collect the progress in basic research, technological development, and innovative application of diagnosis and PHM combined with AI, including sensor information monitoring and collection, fault diagnosis, fault prediction, maintenance decision making, etc. The reviews must provide a key overview of the latest technologies related to the technology and application of diagnosis and PHM.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/163473

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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.

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