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Machine Learning and Signal Processing for Diagnostics and Prognostics Applications

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Deadline for manuscript submissions:
closed (20 August 2021)

Message from the Guest Editor

Global industry competition is driving the maximization of the use of resources in terms of equipment, systems, and robots. Methodologies for modeling diagnostics and prognostics have played a crucial role in increasing reliability and durability of systems .

The increase in data availability using machine learning strategies and signal processing has permitted the use of computational methods to extract information from data modeling diagnostics and prognostics and prevent undesired performance. In this way, many challenges and opportunities remain to develop novel models and approaches transferring research results and new knowledge for different applications.

The purpose of this Special Issue is to gather high-quality research and contributions that address recent advances and developments in machine learning strategies and signal processing for diagnostics and prognostics applications, focusing on innovative systems, robots, mechatronic devices, and industrial processes.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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