

Special Issue

Fault Detection and Diagnosis in Mechatronics Systems

Message from the Guest Editor

The mechatronic approach is, nowadays, applied to many industrial sectors, and allows the integration in multi-disciplinary, environment, different technologies with the purpose of enhancing the performance of a system. A mechatronic system typically includes sensors, data acquisition, actuators (that operate in synergy) driven by specific control algorithms to perform a desired function on a controlled device. One of the most recent and promising application of mechatronics concerns its application to improve the safety of complex systems. With this aim, it can be applied to different sectors: Transportation systems, vehicles, wind turbines, industrial processes, manufacturing, food industry, automation, and many others. This Special Issue aims to collect papers concerning recent advances and challenges in application of “Mechatronics on Fault Detection and Diagnosis”, articulated over a wide range of sectors. Papers submitted to this Special Issue are expected to provide an original contribution, proposing new solutions, improvements to existing solutions, and new applications in emerging sectors. The paper can address the solution of specific problems in the sector of interest using algorithms, experimental tests, and numerical analysis.

Guest Editor

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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.

Editor-in-Chief

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