

Special Issue

Online Supervision of Engineering Systems

Message from the Guest Editor

Typically, most fault diagnosis developed in industry are done offline using Failures Modes and Effects Analysis (FMEA) or fault trees when there was sufficient degradation or a breakdown in the plant. However, technological systems have become more complex and safety-critical, the needs for including automated monitoring and diagnosis as part of the intelligent control loop has become critical. The need for process safety under a wide variety of operating conditions essentially requires online supervision including fault detection and isolation (FDI) procedures (model or data-based methods) that can inform intelligent Fault Tolerant and Fault Adaptive control (FTC and FAC). This special issue deals with real (or pilot) innovative industrial applications of online FDI and FTC algorithms. The goal is to exchange the industrial and fundamental latest technological developments in this area. We invite researchers and industrials to contribute their original research or review articles to this special issue.

Guest Editor

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About the Journal

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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