Special Issue

Control Process, Fault Detection and Classification in Power Systems and Industrial Machinery

Message from the Guest Editors

Thanks to the development of technology and Industry 4.0, control, fault detection, and classification processes in power systems and industrial machinery have become highly relevant. The application of neural networks, artificial intelligence, and advanced signal processing has made it possible to solve classification and fault detection problems in incipient stages or complex control processes. With technological advances, high computing power, and the use of embedded systems and FPGAs, it has been possible to implement complex mathematical algorithms that help signal processing. In addition, fractional calculus has increased the options and improved the control, detection, and classification stages by allowing better resolution in the systems and the space transforms. This Special Issue provides a forum for presenting new and improved techniques for control, fault detection, and classification in power systems and industrial machinery.

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