Special Issue

Application of Adaptive Control, Fault Detection and Deep Learning in Electrical Engineering

Message from the Guest Editors

The growing global population and rising energy demands are driving significant advancements in electrical systems, which must adapt to meet these challenges. Adaptive control, AI-based fault detection, and deep learning are driving innovation and shaping the future of electrical engineering, leading to smarter, more efficient, and reliable systems.This Special Issue on “Application of Adaptive Control, Fault Detection and Deep Learning in Electrical Engineering” aims to cover recent advances in the applications of adaptive control, fault detection and deep learning in electrical engineering. Topics include, but are not limited to, methods and/or application in the following areas: smart grids and energy management; electric vehicle (EV) systems; renewable energy integration; robotics and industrial automation; power electronics and drives; microgrids and distributed energy resources (DERs); aerospace and defense systems; smart metering and load forecasting; control systems and artificial intelligence.

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Editor-in-Chief

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