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Model Predictive Control in Industrial Power Systems

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Deadline for manuscript submissions:
5 March 2025

Message from the Guest Editors

This Special Issue entitled "Model Predictive Control in Industrial Power Systems" focuses on the development and application of model predictive control (MPC) techniques in optimizing the operation and performance of industrial systems. This Special Issue explores the MPC algorithms to address challenges such as balancing supply and demand, managing grid stability, and integrating renewable energy sources or energy storage technologies into industrial power networks. By incorporating predictive models and optimization algorithms, MPC offers a flexible and efficient approach to control the complex dynamics of industrial power systems. The articles in this Special Issue highlight the latest research and innovations in MPC for industrial power systems, showcasing its potential to enhance system efficiency, reliability, and sustainability. Researchers in the related research field will gain valuable insights and practical solutions for improving the operation and management of industrial power networks or other industrial systems by applying MPC techniques.

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Message from the Editor-in-Chief

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