Special Issue

Model Predictive Control of Electrical Systems: Methods, Results, and Challenges

Message from the Guest Editors

Recently, Model Predictive Control (MPC) methods have gained considerable attention. It predicts system behaviour using a mathematical model based on switching states. Control actions are applied by solving an optimization problem. However, MPC's design and implementation can impose some limitations. Improvements to MPC algorithms and their combination with intelligent controllers have been proposed. Therefore, this Special Issue concentrates on the latest advancements in model predictive control algorithm design.

This Special Issue on "Model Predictive Control of Electrical Systems: Methods, Results, and Challenges" seeks high-quality works focusing on Model Predictive Control applied to Electrical Systems. Topics of interest include, but are not limited to:

- Predictive control algorithms.
- Model predictive control designs for power converters.
- Model predictive control for grid connectivity applications.
- Model predictive control methods for power quality application.
- Machine learning with model predictive control.

Guest Editors

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Editor-in-Chief

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