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Modeling and Optimization of Electrical Systems

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Deadline for manuscript submissions:

closed (15 November 2022)

Message from the Guest Editor

Power Electrical Systems, Electrical Equipment, Electromechanical Systems and, in general, all Physical Assets need to have Maintenance Interventions aiming to reach their maximum Availability.

In the ambit of Planned Maintenance, the Condition Monitoring is extremely important, what is emphasized when it is used Prediction.

To support Prediction, they can be used the traditional Time Series Algorithms or Artificial Intelligence Algorithms, namely based on the several different approaches of Neural Networks.

The Physical Assets also must be analysed carefully in order to guarantee or improve their Reliability; it is because the Dynamic Modelling is so important. Tools like Fault Trees, Markov Chains, Hidden Markov Chains, Petri Nets, among others are important knowledge pieces that are necessary to use aiming to evaluate and improve Physical Asset's Reliability.

This Special Issue would like to encourage original contributions regarding the aspects preceding, but not necessary limited to them.



mdpi.com/si/90444

Special Issue



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Message from the Editor-in-Chief

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Journal Rank: CiteScore - Q1 (Control and Optimization)

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