

Special Issue

Advances in Operation, Optimization, and Control of Smart Grids

Message from the Guest Editors

The expansion and advancements of smart grids occur largely due to the benefits they can provide for the operation, optimization and control of large power systems. The integration of renewable energy sources, the need for resource optimization and the uncertainties in the operation of smart grids enhance the motivation and need for the development of tools capable of benefiting the proper operation of smart grids. In this context, this Special Issue aims to present and disseminate the most recent advances related to techniques for the operation, optimization, and control of smart grids. Topics of interest for this Special Issue include, but are not limited to, the following:

- Methods for improving smart grid operation;
- Power system optimization;
- Control techniques for improving the dynamic performance of smart grids;
- Applications of artificial intelligence and machine learning in the operation, optimization and control of smart grids.

Guest Editors

Dr. Murilo E. C. Bento

Department of Electrical Engineering, Federal University of Rio de Janeiro, Rio de Janeiro 21941909, Brazil

Dr. Hugo Morais

INESC-ID, Técnico Lisboa, Lisbon, Portugal

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electricity@mdpi.com

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Editor-in-Chief

Prof. Dr. Andreas Sumper
CITCEA-UPC, Department of Electrical Engineering, Universitat
Politecnica de Catalunya, 08028 Barcelona, Spain

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