

## Special Issue

# Optimal Control and Nonlinear Dynamics in Electrical Power Systems

### Message from the Guest Editor

*Energies* is pleased to invite prospective authors to submit original research submissions covering innovations associated with the use of optimal control and nonlinear dynamics in electrical power systems. Topics of interest include, but are not limited to:

- Nonlinear dynamics, bifurcations, and chaos in electrical power systems;
- Lyapunov stability analysis of power systems, including the design of stable nonlinear controllers;
- Nonlinear optimal control approaches for microgrids, energy storage, and the integration of renewable energy systems into the power grid;
- Nonlinear control approaches in power systems, including for instance, backstepping, sliding mode control, adaptive control, nonlinear predictive control, fault tolerant control, and feedback linearization;
- Nonlinear state estimation for power grids and smart grids;
- Game theoretic approaches for the smart grid.

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### Guest Editor

Prof. Dr. Victor M. Becerra

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### Deadline for manuscript submissions

closed (15 March 2021)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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