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## Advancements in Real-Time Simulation of Power and Energy Systems

Guest Editors:

**Dr. Panos Kotsampopoulos**

School of Electrical and  
Computer Engineering, National  
Technical University of Athens,  
15780 Zografou, Greece

**Dr. Omar Faruque**

Department of Electrical and  
Computer Engineering and the  
Center for Advanced Power  
Systems (CAPS), FAMU-FSU  
College of Engineering, Florida  
State University, Tallahassee, FL  
32310, USA

Deadline for manuscript  
submissions:

**closed (31 October 2020)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to address recent advances in real-time HIL simulation in several domains (also in new and promising areas), including technique improvements to promote its wider use. It welcomes innovative papers, including industrial relevant experiences, related (but not limited) to the following topics:

Advances in HIL testing of power electronic converters: distributed generation and storage inverters, HVDC/FACTS (e.g., testing of replicas) etc.; Advances in HIL testing of power system protection; Advances in HIL testing of smart grid/microgrid controllers, energy management systems, wide area protection, and control; Apparatus modeling for real-time simulation and model validation; Interfacing methods of PHIL and CHIL simulation: improvement of stability and accuracy; HIL co-simulation, cyber-security, cyber-physical energy systems, and other multidomain systems; Geographically distributed HIL and real-time simulators coupling/challenges; Mechanical and multiphysics HIL simulation; Industrial experiences, HIL in standardized testing, and standardization of HIL.

Dr. Panos Kotsampopoulos  
Assoc. Prof. Dr. Md Omar Faruque  
*Guest Editors*

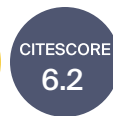


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# Special Issue



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### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

## Message from the Editor-in-Chief

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*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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