



Power System Dynamics with Renewable Energy

Guest Editors:

Prof. Dr. Vijay Sood

Department of Electrical,
Computer and Software
Engineering, Ontario Tech
University, Oshawa, ON L1G 0C5,
Canada

Dr. Héctor Chávez

Departamento de Ingeniería
Eléctrica, Universidad de
Santiago de Chile, Estación
Central, Santiago 9160000, Chile

Dr. Harold R. Chamorro

Department of Electrical
Engineering at KTH, Royal
Institute of Technology, SE-100
44 Stockholm, Sweden

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Message from the Guest Editors

Dear Colleagues,

In this issue, we are aiming to contribute to a better understanding of the systemic impacts of renewable energy integration on power system dynamic stability. The topics considered by this Special Issue include but are not limited to the following:

- Simulation-based/offline power system dynamic stability assessments for increasing integration of renewable energy;
- Power system inertia and frequency control frameworks to increase the dynamic stability margins of power systems under the integration of renewable energy;
- Estimation and data analytics/machine learning-based/offline tools to increase the situation awareness of power system dynamic stability margins under the integration of renewable energy;
- Synthetic/virtual inertia, energy storage approaches to increase the contribution of power electronic converters to power system dynamic stability.

Prof. Vijay K. Sood

Dr. Harold Rene Chamorro Vera

Dr. Héctor Chávez





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Editor-in-Chief

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
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