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Renewable Energy Sources: A Solution in the Operation of Smart Grids and Sustainable Energy Systems

Guest Editors:

Dr. Seyed Masoud Mohseni-Bonab

 Digital Systems Department, Hydro-Québec/IREQ, Varennes, QC, Canada
Electrical Engineering Department, Université Laval, Québec City, QC, Canada

Dr. Ali Moeini

Power System Simulation and Evolution Department, Hydro-Québec/IREQ, Varennes, QC, Canada

Dr. Ali Hajebrahimi

Simulation and Evolution of Electricity Grid, Hydro-Québec/IREQ, Varennes, QC, Canada

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This Special Issue aims to provide an optimal solution to expansion of renewable energies and smart grids technologies considering the planning and operation aspects. It also focuses on dealing with the imposed uncertainties associated with renewable energies in operation and real-time problems. Thus, scholars and researchers are kindly invited to consider submitting their original articles for consideration in this Special Issue to accelerate the existing practices in smart grids and sustainable energy systems. This Special Issue welcomes submissions in, but not limited to, the following subjects:

- Proposing new ideas on increasing the penetration levels of RESs (renewable energy sources);
- Activating large-scale RES-based loads in the power market mechanisms;
- Resilient integration of RESs into power systems and smart grids;
- Maximizing the utilization rate of installed capacity of RESs in planning and control strategies;
- Achieving net-zero carbon emissions and reliable power generation via RESs;
- Enabling RES capabilities in power system dynamics studies;
- Harmonic analysis of RES-dependant smart grids;

Any questions, please ask Mark Huang <mark.huang@mdpi.com>.







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Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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