



Integration and Control of Renewable Energy and Power Electronics for Future Power Systems

Guest Editors:

Dr. José Luis Domínguez-García

Dr. Cristina Corchero

Dr. Ayman Attya

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submissions:
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Message from the Guest Editors

Dear Colleagues,

Looking ahead to 2050, the goal of reducing emissions of greenhouse gases (e.g., CO₂) up to 80%–95% compared to values in 1990 has been set in order to avoid the increase of 2 °C. To meet this ambitious goal, countries should bet on a future framework in which 100% of electricity generation comes from renewable energy sources. Furthermore, to achieve such a target, large interconnections among different countries as well as different synchronous areas will be necessary in order to share renewable power generation with other systems.

The main objective of this Special Issue is to discuss and disseminate the current work in this area as a showcase to the developed power electronics technologies (RES, ESS, EV), control methods, operation algorithms, market interaction, microgrids and simulation models, in particular (but not limited to):





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

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

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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