

Special Issue

Development Strategies of Distributed Power Generation

Message from the Guest Editor

A growing diffusion of RES-based Distributed Generation is expected in the next years due to the progressive reduction of its investment cost making these systems more profitable and competitive by reaching the grid parity. In addition, the recent introduction of the regulatory framework for the development of RES-based energy communities in the European Union has further boosted the market for the Distributed Generation. This evolution has changed the classical approach of grid development converting the energy flows within the electrical networks to promote energy self-consumption and energy independence.

However, wider diffusion of RES-based Distributed Generation could imply both positive and negative impacts. Consequently, operators of active grids need challenging strategies for the development of RES-based distributed generation to provide efficient, reliable and stable networks.

In this context, the Special Issue focuses on the research, development, and practical application applied to foster the diffusion of the RES-based Distributed Generation at all levels.

Guest Editor

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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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