Special Issue

Accelerating the Adoption of Solar Energy towards a Low-Carbon Future

Message from the Guest Editors

This Special Issue focuses on the role of solar energy in an effective energy transition towards a low-carbon future. Under the Paris Agreement, many countries have committed to reduce greenhouse gas emissions by at least 40% by 2030 compared to 1990. To this end, the use of local renewable energy resources needs to be maximized, including geothermal, wind, hydroelectric, solar, and biomass sources. The solar fraction of the local energy mix of a country can be more or less important depending on solar irradiance, technology availability, the profitability of solar installations, the commitment of decision-makers with renewable energy, the awareness of stakeholders, the available incentives, the existence of energy communities, etc. The adoption of solar energy by different sectors may be increased by highlighting its benefits through showcases; case studies; pilots; examples of good practice; benchmarking; awareness campaigns; exemplar feasibility studies; as well as novel technologies such as thermal and electric energy storage, heating/cooling systems, PV/thermal panels, electric-vehicles, smart grids, and intelligent monitoring.

Guest Editors

Prof. Dr. Ahmed Rachid

Laboratory of Innovative Technologies, University of Picardie Jules Verne, 80025 Amiens, France

Prof. Dr. Victor M. Becerra

School of Engineering, University of Portsmouth, Anglesea Building, Anglesea Road, Portsmouth, PO1 3DJ, UK

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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