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Synergizing Sustainability: Smart Strategies for Enhancing Energy, Economic, Environmental, and Social Performance in Residential and Industrial Renewable Energy Communities

Guest Editors:

Prof. Dr. Alessandro Massi Pavan

Department of Engineering and Architecture, University of Trieste, Trieste, Italy

Dr. Nicola Blasuttigh

Department of Engineering and Architecture, and Center for Energy, Environment and Transport Giacomo Ciamician, University of Trieste, Trieste, Italy

Dr. Simone Negri

Department of Electronics, Information and Bioengineering, Politecnico di Milano, Milano, Italy

Message from the Guest Editors

Considering the world's most pressing environmental issues and the urgency for effective solutions, Renewable Energy Communities (RECs) have been proposed as the new building block of tomorrow's sustainable energy infrastructure. A REC typically refers to a group of individuals, enterprises, and/or private and public organizations that collaborate to develop, manage, and benefit from renewable energy sources within a specific community or geographical area. The primary objective of a REC is to promote the utilization of renewable energy sources, reduce our dependence on fossil fuels, relieve the distribution system from congestion due to distributed generation, and contribute to enhanced sustainability. Within this context, this Special Issue welcomes original, high-quality research papers, reviews and case studies that contribute to research on innovative applications in residential and industrial RECs with the aim of enhancing the 3E and social aspect.

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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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