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Value Sharing within Renewable Energy Communities

Guest Editors:

Dr. Francesco Demetrio Minuto

1. Department of Energy “Galileo Ferraris”, Politecnico di Torino, Turin, Italy
2. Energy Center Lab, Politecnico di Torino, 10138 Turin, Italy

Dr. Andrea Lanzini

1. Department of Energy, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy
2. Energy Center Lab, Politecnico di Torino, 10138 Turin, Italy

Dr. Sergio Olivero

1. Energy Center, Politecnico di Torino, 10138 Turin, Italy
2. Energy Center Lab, Politecnico di Torino, 10138 Turin, Italy

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Message from the Guest Editors

This Special Issue focuses on the topic of value sharing within a Renewable Energy Community. With the term “value”, we refer to a broad spectrum of benefits from a perspective of different stakeholders: citizens (energy saving, cost reduction, automation, etc.), countries (primary energy demand, net-zero transition, energy sources, energy autarchy, mineral resources, etc.), energy grid (energy quality and reliability, grid efficiency, energy loss, grid expansion, etc.), and service companies (REC management, hardware and software control devices, etc.). In this Special Issue, we encourage contribution to bi-level trading with the market and among REC members; distributing revenues and sharing algorithms among REC members; optimal design of REC energy system technologies to reduce energy cost, energy security and reliability; planning of RECs for achieving net-zero energy transition target at national or local level, or in isolated and rural areas; optimization of REC operation using flexibility provided by load shift, demand-side management, demand response and storage systems; adoption of REC policies in different countries; business models for RECs.



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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

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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