Special Issue

Modeling Electricity Markets and Energy Systems: Challenges and Opportunities Ahead

Message from the Guest Editors

The works presented in this Special Issue should concern the latest developments in energy systems and power market modeling; the coupling of energy systems and electricity market models; improving the spatial, temporal, and technological resolution of energy system models; visualizing complex energy system models; and studying the behavior of stakeholders in energy systems and electricity markets. **Keywords:**

- energy system model;
- power market model;
- soft-coupling;
- hard-coupling;
- power generation companies;
- players' behavior;
- energy vectors;
- visualization;
- co-simulation;
- optimization;
- flexibility;
- intermittency;
- renewable energy sources;
- sustainable development;
- technology explicitness;
- spatial resolution;
- temporal resolution

Guest Editors

Dr. Danial Esmaeili Aliabadi

Department of Bioenergy, Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany

Prof. Dr. Tiago Pinto

1. Department of Engineering, University of Trás-os-Montes e Alto Douro, 5001-801 Vila Real, Portugal
2. INESCTEC, University of Trás-os-Montes e Alto Douro, 5001-801 Vila Real, Portugal

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

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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.

Editor-in-Chief

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

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