

Special Issue

Advanced Technologies for Renewable Energy Systems and Their Applications

Message from the Guest Editors

The variable nature of most renewable generation sources presents challenging stochasticity problems, which must be solved to enable a smooth energy transition. Moreover, new energy resources, players and business models are emerging, related, e.g., to the quick widespread of electric vehicles, the integration of energy storage systems and electricity market models. Consequently, advanced and innovative technologies are urgently required to support new and essential planning, management and operation models. This Special Issue calls for contributions related to renewable energy systems, addressing innovative perspectives and related problems. These include, but are not limited to, works that concern novel conceptual energy planning, management and operation models; new software solutions for renewable energy or related resources' integration; practical applications, case studies and demonstrations of advanced technological solutions. Keywords

- renewable energy
- electric vehicles
- energy storage systems
- energy system applications
- power system management
- energy forecasting

Guest Editors

Prof. Dr. José Manuel Ribeiro Baptista

1. Department of Engineering, University of Trás-os-Montes and Alto Douro, 5001-801 Vila Real, Portugal
2. CPES INESCITEC-Center for Power and Energy System, University of Trás-os-Montes e Alto Douro, 5001-801 Vila Real, Portugal

Prof. Dr. Tiago Pinto

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

Deadline for manuscript submissions

closed (15 October 2024)



Electronics

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Impact Factor 2.6
CiteScore 5.3



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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