## **Special Issue**

## Modeling and Analysis of Active Distribution Networks and Smart Grids

### Message from the Guest Editors

Renewable energy sources (RESs) will constitute the backbone of future energy systems and, due to their different characteristics and dependence on geography and climate, they will be scattered throughout the power system. In this context, a vast amount of distributed energy resources (DERs), such as large- and small-scale RES power plants, energy storage systems, electric vehicles, and smart loads will be integrated into low and medium voltage distribution networks, posing unprecedented challenges to both transmission and distribution system operators (TSOs-DSOs). The main objective of this special issue is to seek quality publications that highlight recent advances in the areas of monitoring, modelling, analysis, control, optimization, and simulation of ADNs as well as quality publications targeting to quantify the impact of converter-interfaced DERs on TSO-DSO interactions, system stability margins, and dynamic performance of active distribution networks ADNs.

#### **Guest Editors**

Dr. Eleftherios O. Kontis

School of Electrical and Computer Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Prof. Dr. Theofilos A. Papadopoulos

Department of Electrical and Computer Engineering, Democritus University of Thrace, Xanthi, Greece

### Deadline for manuscript submissions

closed (20 June 2023)



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

mdpi.com/journal/energies





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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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