



Advances in Ancillary Services by DRES in Distribution Grids

Guest Editors:

Prof. Dr. Charis S. Demoulias

Dr. Angelos Marnerides

Dr. Georgios C. Kryonidis

Dr. Kyriaki-Nefeli D. Malamaki

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

In a future energy scenario with very high shares of renewables (up to 100%) in the electrical energy mix, system support functions that are provided today by synchronous generators (SG) will need to be provided by distributed renewable energy sources (DRES) or procured from third parties. DRES should significantly contribute to a more stable operation of the future energy system, allowing growing percentage of DRES to displace traditional SG-based dispatchable generation.

The aim of this Special Issue is to attract leading researchers in the area of possible AS that can be offered by DRES connected in the distribution system. Accepted contributions will include one or more of the following topics:

Prof. Dr. Charis S. Demoulias
Dr. Angelos K. Marnerides
Dr. Georgios C. Kryonidis
Dr. Kyriaki-Nefeli D. Malamaki
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)