



Smart Grid Technologies

Guest Editors:

Dr. Samuele Grillo

Dipartimento di Elettronica,
Informazione e Bioingegneria,
Politecnico di Milano, 20133
Milano, Italy

Dr. Francesco Conte

Department of Electrical,
Electronics and
Telecommunication Engineering
and Naval Architecture,
University of Genoa, 16145
Genova, Italy

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

Smart grids, still being the future perspective of electric distribution grids, are also the real and actual implementation of the evolution of these grids. There are many factors that foster this realization and the enabling technologies play a fundamental role in this process. The fields in which these technologies can be applied are widespread and the ways in which they are deployed define the actual instance of the smart grid concept. The targeted objectives are directly related to the improvement of the energy usage (e.g., sustainability, efficiency, reliability, and quality of service) or to a smarter management of the grids by distribution system operators (e.g., maintenance, reconfiguration, and workforce management). Some of the examples of these technologies are the smart meters, energy storage devices, including electric vehicles, together with the algorithm used to manage them, the communication systems and their usage to control the players in the grids, IoT and artificial intelligence applications. In this context, regulatory and economic issues should be considered, and suitably addressed.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patricia Luis Alconero
Materials & Process Engineering,
UCLouvain, Place Sainte Barbe 2,
1348 Louvain-la-Neuve, Belgium

Message from the Editor-in-Chief

Clean Technologies (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Inspec](#), [AGRIS](#), [RePEc](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Engineering, Environmental*) / CiteScore - Q1 (Environmental Science (miscellaneous))

Contact Us

Clean Technologies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/cleantechnol
cleantechnol@mdpi.com
[X@Cleantech_MDPI](#)