

Special Issue

Smart Grid Solutions for the Reliable and Effective Design and Operation of Electrical Infrastructures

Message from the Guest Editors

This Special Issue aims to bring together scientists and researchers to publish both state-of-the-art papers and original research contributions on the topic “Smart Grid solutions for the reliable and effective design and operation of electrical infrastructures.” Topics of interest include, but are not limited to, the following:

- approaches for an optimal power system planning and operation
- coordination schemes for users and flexibility resources aggregation
- coordination schemes among network operators
- new technologies integration (e.g., energy storage systems or electric mobility)
- strategies for the ancillary services provision by DERs, loads, storage, etc.
- power system reliability and resilience
- advanced asset management systems
- regulatory framework
- advanced grid automation and protection schemes
- software tools for networks modeling and management

Guest Editors

Dr. Davide Falabretti

Department of Energy, Politecnico di Milano, Milano, Italy

Dr. Samuele Grillo

Department of Electronics, Information and Bioengineering, Politecnico di Milano, I-20133 Milano, Italy

Dr. Alessandro Bosisio

Department of Energy, Politecnico di Milano, 20133 Milano, Italy

Deadline for manuscript submissions

closed (31 July 2021)



Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



mdpi.com/si/50278

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

[mdpi.com/journal/
infrastructures](https://mdpi.com/journal/infrastructures)





Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



[mdpi.com/journal/
infrastructures](https://mdpi.com/journal/infrastructures)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article, review or short communication for consideration and publication in *Infrastructures* (ISSN 2412-3811). There is no restriction on the length of the papers. *Infrastructures* is published in open access format. The scientific community and general public have unlimited free access to the content as soon as it is published. *Infrastructures* is supported by the authors by the payment of article processing charges for accepted manuscripts. Please consider *Infrastructures* as an exceptional opportunity to publish your work.

Editor-in-Chief

Dr. Pedro Arias-Sánchez

Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

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, and other databases.

Journal Rank:

JCR - Q2 (Construction and Building Technology) /
CiteScore - Q1 (Building and Construction)