

Special Issue

Resilience Metrics Development for Power Systems

Message from the Guest Editors

The purpose of this [Special Issue](#) is to study metrics that could be used for quantifying the resiliency of power systems. Additionally, another purpose of this Special Issue is to determine how such metrics would be calculated for which systems under what conditions.

Distribution and transmission infrastructures expanded over a wide geographic area are always affected by continuously occurring weather-related disasters.

Therefore, a safe and reliable operation is essential for the obtainment of resilient power systems able to survive in hard conditions. Metrics to be investigated in this Special Issue are to be quantitative and defined based on the topology, hardware, and efficiency of the systems, reliability indices, and also the type and severity of threats. The accurate assessment of each of these metrics could help to properly understand the concept of resilience in power systems. Additionally, another aim of this Special Issue is to obtain an appropriate assessment of power network resilience by selecting an appropriate set of these metrics according to the type of threat and goal.

Guest Editors

Dr. Enrique Rosales-Asensio

Department of Electrical Engineering, University of Las Palmas de Gran Canaria, Campus de Tafira S/n, 35017 Las Palmas de Gran Canaria, Canary Islands, Spain

Prof. Dr. Antonio Colmenar Santos

Departamento de Ingeniería Eléctrica, Electrónica, Control, Telemática y Química Aplicada a la Ingeniería Escuela Técnica Superior de Ingenieros Industriales Universidad Nacional de Educación a Distancia C/ Juan del Rosal, 12, Ciudad Universitaria, s/n, 28040 Madrid, Spain

Deadline for manuscript submissions

closed (15 September 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/129241

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

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



About the Journal

Message from the Editor-in-Chief

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 guestedited 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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).