Special Issue

Deep Learning for Power Transmission and Distribution

Message from the Guest Editors

This Special Issue aims to focus on deep-learning-based techniques to model and resolve issues related to power transmission and distribution. This Special Issue will accept topics regarding deep-learning-based applications in load forecasting, fault detection, and diagnosis; the assessment of the security and stability of power systems; the integration and management of renewable energy sources; and the asset management and maintenance of the electric grid. Other potential topics include:

- Deep networks for load forecasting;
- Deep networks for fault detection and diagnosis;
- Deep networks for the security and stability of power systems;
- Deep networks for the integration and management of renewable energy sources;
- Deep networks for asset management;
- Deep networks for the maintenance of the electric grid.

Guest Editors

Dr. Chathura Wanigasekara

Institute for the Protection of Maritime Infrastructures, German Aerospace Center (DLR), 27572 Bremerhaven, Germany

Dr. Akshya Swain

Department of Electrical, Computer & Software Engineering, The University of Auckland, Auckland 1010, New Zealand

Deadline for manuscript submissions

closed (15 July 2025)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/195851

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

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

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 guest-edited 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).

MDPI