

Special Issue

Advances of Power Line Communication (PLC)

Message from the Guest Editor

This Special Issue focuses on recent advances in the analysis, design, and implementation of communication systems over power networks, with an emphasis on physical layer and medium access control layer issues.

- channel measurement, characterization and modeling
- modulation, coding and signal processing techniques
- detection, synchronization and equalization techniques
- PLC for smart grids and electric vehicles, smart cities and IoT
- alternative PLC systems (in-vehicles, trains, ships, aircrafts, spacecrafts, direct current distribution systems, etc.)
- PLC standardization and regulation technical issues
- emerging PLC-related technologies: for instance the integration and cooperation between Wireless systems and PLC or between visible light communication (VLC) and PLC, etc.

More detailed information, please click [here](#).

Guest Editor

Dr. Francisco J. Cañete

Departamento de Ingeniería de Comunicaciones, ETSI
Telecomunicación, Universidad de Málaga, 29010 Málaga, Spain

Deadline for manuscript submissions

closed (31 July 2020)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 7.0



mdpi.com/si/24360

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 7.0



[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 (Signal Processing)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).