

Special Issue

Systems and Technologies for Smart Homes and Smart Grids

Message from the Guest Editors

The wide spread of Information and Communication Technologies (ICTs) solutions, smart meters, low-cost smart sensors, and load devices is gaining momentum in modern Smart Grids, as well as their integration in home environments contributing to higher quality and simpler users' lives. "Smart Home" refers to homes where physical and digital devices are interconnected in the cyber-space and are able to share information, thus forming a network that can assist users via remote home control, home automation systems, and ambient intelligence. This Special Issue of *Electronics* aims to present state-of-the-art papers in the domain of systems and technologies enabling Smart Home and Smart Grids concepts. Topics include, but are not limited to, the following areas: Home Automation Network;

Integrated Wireless Technology (IWT);
Home Energy Management System (HEMS);
Smart Home Micro-Computer (SHMC);
Home Automation (HA);
Renewable Energy Sources (RESs) integration in Smart Grids;
Demand-Response approach;
Systems and technologies enabling Smart Home and Smart Grids.

Guest Editors

Prof. Dr. Amedeo Andreotti

Department of Electrical Engineering and Information Technologies (DIETI), University of Naples Federico II, 80125 Napoli, Italy

Dr. Bianca Caiazzo

Department of Electrical Engineering and Information Technologies (DIETI), University of Naples Federico II, 80125 Napoli, Italy

Deadline for manuscript submissions

closed (30 September 2024)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/174479

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).