Special Issue

Advanced Technology and Progress in Superconducting Devices

Message from the Guest Editors

The revolutionary high-temperature superconductors (HTSs) technology, as the most effective method of applying superconductivity, has become the key solution for advancing many emerging breakthroughs that are unattainable with conventional methods. Superconducting technology is welcomed in various cutting-edge applications, including energy, efficiency, medical treatment, physics, etc. This Special Issue focuses on advanced technology and progress in the field of superconducting devices, committed to promoting the highest caliber required to undertake and complete first-rate research work regarding superconductivity, including any analytical and experimental advances. The topics under this Special Issue include but are not limited to superconductivity characteristics used in motors/generators, SEMS/flywheels, power grids, transformers/transmissions, future transportations, magnetic separations, NMR/MRI, nuclear fusion/fission, silicon wafer processing, SQUIDs, etc.

Guest Editors

Dr. Fangliang Dong

Plasma Science and Fusion Center, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

Dr. Mingyang Wang

Harvard John A. Paulson School of Engineering and Applied Sciences, Harvard University, Cambridge, MA 02138, USA

Deadline for manuscript submissions

closed (15 December 2024)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/204155

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

MDPI

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 16.4 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).