

Special Issue

Wireless and Optical Communication: Technologies and Applications

Message from the Guest Editors

Electronic circuit technology is the basis for achieving a rapid and stable industry. Laser radar technology is one of the 35 key technologies that have been blocked in China. It offers great opportunities but faces challenges at all levels to break through technological innovation and achieve independent control of core technologies. This journal mainly displays the relevant achievements in the development of circuits and systems as well as laser radar systems. Topics of interest mainly include the theoretical analysis of digital circuits and analog circuits, photoelectric detection technology, digital filters and signal processing, FPGA system design, intelligent machine development, embedded system development, intelligent system control, free-space optical communication, optical communication modulation and demodulation technology, optical communication networking technology, laser radar chip technology, laser ranging technology, optical phased array control technology, laser radar imaging technology, the integration of laser radar communication, the development of all-solid-state laser radar systems and other related topics.

Guest Editors

Dr. Min Tao

State Key Laboratory of Integrated Optoelectronics, College of Electronic Science and Engineering, Jilin University, Changchun 130012, China

Prof. Dr. Junfeng Song

College of Electronic Science and Engineering, Jilin University, Changchun 130033, China

Deadline for manuscript submissions

closed (31 August 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/164019

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

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)