

Special Issue

New Trends in High-Capacity Optical Communication

Message from the Guest Editors

Typical examples of the increase in the hardware “domain” are significant progress in integrated photonics, programmable integrated circuits, low-cost and stable integrated lasers, and low-noise receivers. On the other hand, a high-speed spectrally efficient signal transmission can be achieved by implementing advanced modulation formats, as well as fast and low-complexity digital signal processing, expanding the transmission range into visible, mid IR, and THz bands, including free-space optics communication. In this Special Issue, we welcome authors to share their research achievements and give overviews on topics dealing with component/system development, signal processing, communication algorithms, as well as those mentioned above.

Guest Editors

Prof. Dr. Sergei Popov

Photonics Division, School of Engineering Sciences, Royal Institute of Technology (KTH), 106 91 Stockholm, Sweden

Dr. Darko Zibar

DTU Fotonik, Technical University of Denmark, DK-2800 Lyngby, Denmark

Deadline for manuscript submissions

closed (15 June 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/59200

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

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)