Special Issue

Advances in Fiber Optic Design and Optical Communication

Message from the Guest Editors

Optical transmission systems and networks are vital fundamentals of the worldwide communication infrastructure. The ongoing provision of new services and larger data volumes to satisfy the demands of business and research yield new challenges for optical network design. The exponential growth of data service has led researchers to explore a range of new optical fibers and related technologies to replace standard single-mode fibers of commercial fiber systems. Optical fibers, as an enabling technology for telecommunications, are proving to play a central role in a growing number of modern technologies, including applications in defense and security, sensing, automotive, and biomedicine. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results in the field of fiber optic design and optical communication from design and theory to its practical use.

Guest Editors

Dr. Fang Ren

School of Computer and Communication Engineering, University of Science and Technology Beijing, Beijing 100083, China

Dr. Yangbo Bai

School of Integrated Circuit Science and Engineering, Tianjin University of Technology, Tianjin 300384, China

Deadline for manuscript submissions

closed (20 September 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/155333

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)