

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.

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Deadline for manuscript submissions

closed (15 June 2021)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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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.

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