Special Issue

Novel Approaches for High Speed Optical Communication

Message from the Guest Editors

In today's data-driven world, the demand for faster, more efficient, and higher-capacity communication systems continues to grow exponentially. High-speed optical communications, both in fiber-based systems and free-space optical (FSO) technologies, play a pivotal role in meeting these needs. Fiber communication has become the backbone of modern communication infrastructure, offering unparalleled bandwidth, low latency, and long-distance transmission capabilities. On the other hand, free-space optical communication has gained attention as a versatile and cost-effective alternative for high-data-rate transmissions in various environments, especially in locations where laying physical fiber is impractical. **Call for submissions:** We are pleased to invite you to submit your work to this Special Issue on "Novel Approaches for High-Speed Optical Communications". This Special Issue aims to gather cutting-edge research and reviews that address the latest advancements, challenges, and applications in both fiber optical communication and FSO systems. Contributions that explore how AI can enhance optical communication systems are especially welcome.

Guest Editors

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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.

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