



Optical Fiber and Optical Communication

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closed (15 August 2024)

Message from the Guest Editors

Dear Colleagues,

The scope of this Special Issue is concentrated on cutting-edge research in established areas of Optical Fiber and Optical Communication. The scope of this Special Issue includes, but is not limited to, the following topics:

1. Multi-band (MB) optical transmission and switching.
2. Optical Xhaul for 5G and beyond.
3. Optical Communication exploiting photonic integrated circuits.
4. Multi-mode/few-modes/multi-core optical spatial division multiplexed (SDM) networks.
5. Optical network control, management, and orchestration, including SDN and NFV solutions.
6. Slicing, service chaining, virtualization, and multi-tenancy techniques.
7. Novel network telemetry and real-time monitoring technologies for optical communication.
8. Impact of the hollow fiber revolution on optical network design.
9. Energy efficiency.
10. Optical sensing.
11. Data-center networking.
12. Open and disaggregated optical networks.
13. Free Space Optics.
14. Natural disaster management using optical communication.
15. Network telemetry real-time monitoring.
16. Visible Light Communications.





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Message from the Editor-in-Chief

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