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Advanced Optical Technologies for Communications, Perception, and Chips

Guest Editors:

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Message from the Guest Editors

This Special Issue focuses on the state-of-the-art advancements in optical technologies for communication, perception, and chips. Digital, electrical, and optical signal processing theories, artificial intelligence, integrated chips, devices, subsystems/systems, as well as future perspectives are all within the scope. Topics of interest include, but are not limited to, the following areas:

Deadline for manuscript
submissions:
30 June 2024

- Active and passive optical devices;
- Digital signal processing for sensing and communication;
- Fiber optics;
- Integrated optics;
- Nonlinear photonics;
- Optical AI: optical neural networking, neuromorphic;
- Optical communications and networking;
- Optical for 5G/6G;
- Optical imaging and display;
- Optical sensing and perception;
- Optical signal processing;
- Optoelectronic signal processing devices;
- Semiconductor optical chips;
- Signal processing for 3D/AR/VR.



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Special Issue



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Message from the Editor-in-Chief

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