

## Special Issue

# Integrated Photonics for Free Space Communication and Sensing

### Message from the Guest Editors

Free space optical communication, praised as a powerful communication method in addition to visible light, microwave and fiber-optics communication, has been attracting great interest in wide areas. By virtue of rapid development in integrated optics, especially in silicon-based photonics, a series of optoelectronic integrated devices featured by unique characteristics and excellent performance have been developed in recent year. It provides a good opportunity for the development of free space optical communication. Potential topics include but are not limited to:

- Free Space Optical Communications;
- Angle momentum photonics, generation, communication and sensing;
- Light Detection and Ranging (Lidar) or Laser Radar;
- High power and narrow-linewidth semiconductor Laser;
- Frequency sweep and tunable laser;
- Acquisition tracking and positioning (ATP);
- Photonic antenna;
- Quantum optical communications;
- Single photon avalanche diode (SPAD);
- Short-wave infrared sensors;
- Transceiver;
- Optical communication signal processing.

### Guest Editors

Prof. Dr. Junfeng Song

Dr. Guoqiang Lo

Dr. Juejun Hu

Prof. Dr. Andrea Melloni

### Deadline for manuscript submissions

closed (20 January 2024)



## Sensors

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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