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

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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