Special Issue

Free-Space Optical Communication Systems for Beyond 5G/6G Mobile Networks

Message from the Guest Editor

Free-space optical (FSO) technology is one of the key solutions that have been widely used for communication and sensing. Furthermore, it has become a very favorable complementary technology to radio frequency (RF)-based wireless technologies for future communication networks, namely fifth-and-beyond- and sixth-generation (5G+ and 6G, respectively) communication systems. Among other reasons for its popularity, we can cite some of its inherent features: wide spectrum, high-data-rate, low latency, high security, low cost, and low energy consumption, combined with the ability to address the highly demanding requirements of 5G+ and 6G communications. This Special Issue will explore key enabling technologies of signal processing methods for optical communication, optical computing, and optical sensing in different scenarios as well as future perspectives and trends. For more details, please visit here.

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Deadline for manuscript submissions

closed (20 June 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/126842

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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.

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