Special Issue

Quantum-Enabled Optical Communications and Networks

Message from the Guest Editor

Recent advancements in quantum-enabled systems present a variety of new opportunities and challenges. Quantum-enabled optical communication promises to efficiently solve many of the existing problems in classical communication by exploiting the quantum properties of photons. Indeed, the versatility of off-the-shelf optical components and the rapidly advancing integrated photonics technology has opened the way to applications ranging from satellite quantum communications to fiber-based local area quantum networks. As technologies advance, researchers across the globe continue to work on developing local area quantum networks for applications in fields such as cryptography, telecommunications, and distributed computing, to form a quantum internet. All these developments open a wide range of potential new research areas in optical devices, communications, networks, and sensing applications, spanning both the near and long term. For more details, please visit here.

Guest Editor

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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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