Special Issue

Space Laser Communication and Networking Technology

Message from the Guest Editor

This topic will focus on the networking mechanism of many-to-many simultaneous laser communication optical routing, modeling and simulation of multi-hop laser communication links, multi-link simultaneous bidirectional transmission and reception between different nodes in dynamic networks, optical routing technology, all-optical switching and wavelength conversion technology of the communication network's main node and efficient coupling technology of space beam to optical fiber, etc. This research topic will also focus on modeling the parameters of incoherent optical signals in high-speed laser communication systems. Specifically, under the pneumatic platform and complex channel, this topic will focus on study the transmission characteristics and adaptive correction techniques of laser beams with different initial parameters (coherence, polarization state, phase characteristics, beam divergence angle, etc.).

Guest Editor

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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