Special Issue

Optical Wireless Communications for 3D Ubiquitous Intelligent 6G Networks and Beyond

Message from the Guest Editors

OWC enables reliable communication for short-range applications, including indoor, outdoor, automotive, and Internet of Underwater Things networks, and supports long-range communications for space, satellite, UAVs, HAPs, and backhaul terrestrial communications.

The 6G network brings forward several novel concepts, including the seamless integration of multiple communication technologies such as radio and optical wireless, AI-driven communication network solutions, digital twins for performance optimization, and reconfigurable intelligent surfaces to enhance capacity and coverage. This also entails efficiently integrating emerging technologies with existing network infrastructure to enable seamless communication across various scenarios, from space to underwater environments.

This Special Issue aims to report recent breakthroughs, emerging challenges and opportunities, and novel practical applications of OWC. Researchers are encouraged to address several challenges that require further consideration.

Guest Editors

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Deadline for manuscript submissions

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