

Special Issue

Underwater Optical Wireless Communication (OWC) Systems

Message from the Guest Editor

In recent years, due to the threat of the increasingly evident global climate change and the foreseeable depletion of many resources, there has been a growing interest in ocean exploration. This has prompted research and development of long-distance, high-speed, and high-security underwater OWC links for scientific, industrial, and military purposes. In this context, the need to transmit large amounts of data has become vital in applications related to oceanographic studies, offshore exploration, surveillance environmental, disaster prevention, telemetry, real-time video transmission, and control of docking in ports, among others. This Special Issue cordially invites original manuscripts in, but not limited to, the following:

- underwater optical wireless communication;
- oceanic turbulence; scattering;
- relay-assisted communication;
- orbital angular momentum;
- hybrid technology;
- quantum key distribution

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2023)



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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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