

Special Issue

Underwater Wireless Optical Communication, Sensor and Network

Message from the Guest Editors

More than 70% of the Earth's surface is covered with water (almost all of which is the ocean). Underwater wireless optical communication (UWOC) is of great significance for the development of ocean resources and ocean environmental protection, due to its advantages of having a large capacity and low latency. There is a growing interest in the research and development of UWOC, underwater sensors and UWOC networks. This Special Issue tries to collect the recent advances in UWOC, underwater sensors and UWOC networks. Because of the highly dynamic changes in UWOC links, there are urgent requirements for the development of transmitters, receivers, acquisition-tracking-pointing and digital signal processing for UWOC. Additionally, new technologies for oceanic turbulence mitigation, underwater ranging and communication security are also needed. Protocols and architectures for UWOC networks have been actively developed in recent years.

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Deadline for manuscript submissions

closed (25 May 2023)



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Editor-in-Chief

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the first half of 2024).