



Underwater Wireless Optical Communication, Sensor and Network

Guest Editors:

Prof. Dr. Caiming Sun

Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS), The Chinese University of Hong Kong (CUHK), Shenzhen 518172, China

Dr. Wei Wang

Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, Xi'an, China

Dr. Chi Lin

School of Software, Dalian University of Technology, Dalian 116621, China

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Message from the Guest Editors

Dear Colleagues,

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.

