Special Issue

Next-Generation Optical Wireless Communication (OWC)

Message from the Guest Editors

This Special Issue shall focus on representing a broad range of optical wireless communication applications focused on 6G as well as other disciplines, from both academic research and industry application perspectives. Topics of interest include but are not limited to:

- Optical wireless communication (OWC);
- Free-space optical communication (FSO);
- Visible light communication (VLC);
- Underwater wireless optical communication (UWOC);
- Visible light positioning (VLP);
- Optical camera communication (OCC);
- VLC system based on micro–nano devices;
- New structure LED and photodetectors;
- Luminescent materials for white lighting;
- Optical components or integrating techniques;
- Silicon optical chip and its application in OWC systems;
- Optical beam forming or steering techniques;
- Energy-harvesting OWC systems;
- Low-cost VCSEL for OWC uplink systems;
- Real-time VLC systems based on FPGA;
- New multiple access techniques for multi-user VLC systems;
- Novel encryption, modulation, and coding algorithms;
- Optical–orthogonal frequency division multiplexing (O-OFDM);
- Spatial channel modelling for OWC.

Guest Editors

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Deadline for manuscript submissions

closed (10 June 2022)

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Photonics

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mdpi.com/si/87981

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Message from the Editor-in-Chief

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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