Special Issue

Principle and Application of Optical Metasurfaces

Message from the Guest Editors

Optical metasurfaces, consisting of two-dimensional (2D) or quasi-two-dimensional arrays of dielectric or metallic meta-atoms, represent a compact and novel platform for controlling the polarization, phase, and amplitude of light. This Special Issue aims to explore the fundamental principles, innovative designs, and cutting-edge applications of optical metasurfaces. By bringing together research on the unique light-manipulating capabilities of metasurfaces, this Special Issue seeks to showcase their potential in revolutionizing fields such as imaging, sensing, communication, and energy. We invite contributions that address the latest advancements in metasurface design, fabrication, characterization, and their integration into practical devices and systems. This Special Issue aims to provide a comprehensive platform for sharing groundbreaking research and fostering collaboration in the rapidly evolving field of optical metasurfaces.

Guest Editors

Dr. Zhizhang Wang

National Laboratory of Solid State Microstructures, College of Engineering and Applied Sciences, Nanjing University, Nanjing 210093, China

Dr. Bin Fang

College of Optical and Electronic Technology, Centre for THz Research, China Jiliang University, Hangzhou 310018, China

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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