Special Issue

Machine Learning in Photonics

Message from the Guest Editors

With the emergency of the Internet of Things, the application of machine learning in photonics has become a prospective research field. The last two decades have seen a rapid surge of interest in photonics and machine learning, and scholars have also seen an increase in the potential of combining machine learning and photonics. It is our pleasure to announce a Special Issue that is entirely focused on their combination. The combination of these two fields is indeed drawing large amounts of attention, and its full potential is yet to be disclosed. These results are paving the way for broader and deeper investigations, which we aim to collect here. This Special Issue is dedicated to theoretical or experimental advances bringing together the fields of optical technologies and machine learning. It is focused on recent advances in frontier technologies, technology trends, and to leverage machine learning in this application. We strongly encourage the submission of papers focusing on the keywords below. However, works on related topics will also be considered.

Guest Editors

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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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