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Machine Learning in Photonics

Guest Editors:

Dr. Shu-Hao Chang
Science and Technology Policy Research and Information Center, National Applied Research Laboratories, 14F., No. 106, Sec. 2, Heping E. Rd., Da'an Dist., Taipei 10636, Taiwan

Dr. Chin-Yuan Fan
Science and Technology Policy Research and Information Center, National Applied Research Laboratories, 14F., No. 106, Sec. 2, Heping E. Rd., Da'an Dist., Taipei 10636, Taiwan

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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.