Special Issue

Advances in Machine Learning for Image Classification

Message from the Guest Editors

In recent years, we have witnessed remarkable success in machine learning across various research areas and applications, including natural language processing, healthcare, wide-area surveillance, network security, and precision agriculture. In particular, the field of image analysis has been significantly impacted by deep learning techniques, which have revolutionized image classification by enabling unprecedented accuracy and efficiency. However, challenges still persist in image analytics and interpretation, calling for more advanced computational methods. The purpose of this Special Issue is to explore the latest advancements in algorithms, architectures, and methodologies that have pushed image classification into new realms of possibility. We aim to go beyond existing machine learning approaches and delve into topics such as deep learning innovations, transfer learning applications, and the integration of unsupervised and semi-supervised learning. By doing so, we not only strive to enhance classification performance but also address issues of interpretability, scalability, and real-world applicability.

Guest Editors

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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