Special Issue

Machine Learning in Networking Systems and Applications

Message from the Guest Editors

This Special Issue of Electronics, entitled "Machine Learning in Networking Systems and Applications", aims to delve into the dynamic interplay between machine learning (ML) and networking systems. The inherently complex nature of networking environments, characterized by multiple layers, numerous protocols, and extensive data interactions, makes them particularly amenable to ML applications. Machine learning introduces powerful data-driven methods to these intricate systems, significantly enhancing their efficiency and ability to manage the vast amounts of data they process daily. In this Special Issue, we invite research that addresses how ML can enhance networking operations, how networks can support the functionality and effectiveness of ML technologies, or both. Contributors are encouraged to focus on any single aspect of this interaction, presenting innovative research or practical applications that demonstrate the enhancement of ML integrated with networking systems. Our goal is to showcase impactful research that addresses the challenges and solutions at the intersection of ML and networking.

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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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