

Special Issue

Emerging Trends in Federated Learning and Network Security

Message from the Guest Editors

This Special Issue, "Emerging Trends in Federated Learning and Network Security," aims to provide a comprehensive overview of the latest research, innovations, and applications of federated learning and network security. As federated learning continues to gain traction, understanding the associated security and networking challenges is paramount for its successful deployment and widespread adoption. FL relies heavily on decentralized networks to enable distributed machine learning across multiple devices or nodes, making the underlying communication infrastructure a crucial factor in ensuring both performance and security. In this context, network security, data privacy, and robust communication protocols are essential to safeguard sensitive data and maintain the integrity of distributed learning environments. This Special Issue will delve into various facets of FL and network security, including the implications of networking frameworks, secure communication channels, and how they influence the design and deployment of federated learning systems.

Guest Editors

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Deadline for manuscript submissions

30 June 2025



Electronics

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CiteScore 5.3



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Message from the Editor-in-Chief

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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