

Special Issue

Securing the Digital Frontiers: The Role of AI and LLMs in Cybersecurity

Message from the Guest Editors

Submissions to this [Special Issue](#) on are solicited to represent a snapshot of the field's development by covering a range of topics that include, but are not limited to, new developments of AI-based models, solutions, and applications in the following areas:

- Real-Time Threat Intelligence and Anomaly Detection;
- AI-driven Threat Modelling and Risk Management;
- Generative AI and LLMs for Cybersecurity;
- Multimodal Data Fusion for advanced Cybersecurity;
- Datasets for Cybersecurity;
- Multi-Agents AI for Cybersecurity;
- Pretraining and Fine Tuning AI Models for Cybersecurity;
- Privacy-Preserving Techniques;
- RAGs and Language Models for Cybersecurity;
- Automating Downstream Cybersecurity Tasks using Generative AI;
- Threat Intelligence Sharing and Collaborative Analytics;
- Attack Surface Management and Vulnerability Discovery;
- Big Data-Driven Incident Response and Forensics;
- Edge-Based Cybersecurity in IoTs/Cyber-Physical Systems;
- Cloud Security and Scalability;
- Explainable AI in Cybersecurity;
- Generative AI Risks and Challenges.

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Deadline for manuscript submissions

15 August 2025



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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.

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