Special Issue

Security Challenges and Opportunities of Artificial Intelligence/Big Data Scenarios

Message from the Guest Editors

The convergence of Artificial Intelligence (AI) and Big Data has transformative implications across various sectors, offering unparalleled prospects for innovation and operational efficiency. This Special Issue is particularly interested in technical, experimental, and methodological contributions that explore the interface between security and the advancement of AI and Big Data. We encourage the submission of papers that offer innovative approaches, strategies, and applications aimed at mitigating security risks and enhancing the trustworthiness of AI and Big Data systems. Special consideration will be given to research that advances our understanding of how to secure these technologies for the betterment of industrial processes, user safety, and overall system integrity.

- Intrinsic AI security;
- Big Data security;
- Derived AI security;
- Data breaches;
- AI-enabled security;
- Malicious use of AI;
- Ethical AI;
- Regulatory frameworks;
- Predictive analytics;
- Privacy protection;
- Trustworthy biometrics;
- Security in satellite network;
- Cybersecurity;
- Algorithmic bias;
- AI data security;
- AI model security

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2025)

Electronics

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About the Journal

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 guestedited by leading experts in selected topics of interest.

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