Special Issue

Security and Privacy in IoT-Based Systems

Message from the Guest Editors

Topics of interest include but not limited to:

- Security architectures for IoT.
- Privacy-preserving mechanisms.
- Privacy challenges in smart homes and cities.
- Blockchain-based security.
- Lightweight cryptography for IoT devices.
- Secure communication protocols.
- AI and machine learning for IoT security.
- End-to-end security in IoT Architectures.
- IoT Device Authentication and authorization.
- Data encryption and integrity.
- Secure firmware and software updates in IoT devices.
- Threat modeling and risk assessment in IoT.
- Threat/intrusion detection and mitigation.
- Authentication and access control.
- Blockchain and distributed ledger technologies.
- Secure IoT applications.
- Emerging threats and solutions.
- Explainable AI techniques for IoT data analysis and decision making.
- Industry use cases, success stories, reviews and best practices.
- Regulatory and compliance Issues in IoT security.

Guest Editors

Dr. Love Allen Chijioke Ahakonye

Dr. Cosmas Ifeanyi Nwakanma

Dr. Lewis Nkenyereye

Deadline for manuscript submissions

15 November 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 guest-edited by leading
experts in selected topics of interest.

Editor-in-Chief

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Author Benefits

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Rapid Publication:

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