

## Special Issue

# Advances in Attack Detection and Intrusion Prevention for the Internet of Things

### Message from the Guest Editors

We welcome and invite contributions from academia and industry that address the challenges and opportunities in securing IoT infrastructures against evolving cyber threats. Potential topics include, but are not limited to:

- Intrusion detection and prevention systems (IDPS) for IoT networks.
- AI/ML and DL approaches for attack detection in IoT.
- Federated learning for privacy-preserving IDS.
- Zero-Day Attack Detection with AI.
- Cyber Security in IoT and IIoT.
- Cyber Security Applications using Machine Learning.
- Lightweight cryptographic and authentication schemes for IoT devices.
- Security and privacy in Industrial IoT (IIoT) environments.
- Blockchain and distributed ledger technologies for secure IoT transactions.
- Autonomous Applications for Cyber Security.
- Privacy-enhancing techniques and secure data aggregation.
- Digital forensics and incident response in IoT ecosystems.
- Threat intelligence sharing for IoT attack mitigation.
- Adaptive and self-healing IoT security architectures.
- Big data analytics for heterogeneous IoT threat detection.
- Attack modelling and simulation for IoT environments.
- Secure edge and fog computing for intrusion prevention.
- Resilience and fault tolerance in IoT communication protocols.

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### Guest Editors

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## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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