

Special Issue

Network Forensics and Cybersecurity Applications

Message from the Guest Editors

AI's rapid integration into modern networks has revolutionized digital security and forensics. With 6G and IoE, cyberspace-physical boundaries blur, creating complex CPS (autonomous robots, smart critical infrastructures) and unprecedented security challenges: physical-layer eavesdropping, unauthorized wireless sensing, and AI-driven signal manipulation. This Special Issue provides a platform for researchers to present cutting-edge AI methods for network forensics and cybersecurity. We focus on AI's role in enhancing network traceability, attribution, and resilience against cyber and physical threats, welcoming studies using advanced techniques (PINNs, contrastive learning, generative models) to secure information systems' "neural pathways". Original research and reviews are welcome. Research areas (not limited to): AI forensics for 6G, ISAC, IoT; critical infrastructure cybersecurity (e.g., smart grids, V2G); unauthorized wireless sensing detection; privacy-preserving AI for human-centric CPS; physical-layer security, AI intrusion detection robustness, and network traffic anomaly detection. We look forward to your contributions.

Guest Editors

Dr. Xiang Zhang

School of Cyber Security, Tianjin University, Tianjin, China

Dr. Huan Yan

School of Big Data and Computer Science, Guizhou Normal University, Guiyang 230601, China

Deadline for manuscript submissions

30 April 2027



AI

an Open Access Journal
by MDPI

Impact Factor 6.5
CiteScore 7.3



mdpi.com/si/277655

AI
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ai@mdpi.com

mdpi.com/journal/

[ai](https://mdpi.com/journal/ai)





AI

an Open Access Journal
by MDPI

Impact Factor 6.5
CiteScore 7.3



[mdpi.com/journal/
ai](https://mdpi.com/journal/ai)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Kenji Suzuki

Biomedical Artificial Intelligence Research Unit (BMAI), Institute of
Integrated Research, Institute of Science Tokyo, Yokohama 226-8501,
Japan

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid
by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,
and other databases.

Journal Rank:

JCR - Q1 (Computer Science, Interdisciplinary Applications)
/ CiteScore - Q2 (Artificial Intelligence)