

Call For Papers

Special Session: AI-Driven Security and Privacy in 5G/6G Networks

Conference: The 2023 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 20-23, 2023

Meeting mode: In-person

Location: Xi'an, China

Web site: <https://agist.org/iccsi2023>

The rapid global expansion of 5G/6G networks enables the connection of millions of residential and commercial IoT devices. The development of 5G/6G has introduced innovative network architecture frameworks and enhanced physical data rates, allowing for a significant increase in mobile devices. In addition, it allows for the creation of new ecological systems for the implementation of innovative technologies and services. The rapid spread of IoT and massive cybersecurity threats necessitate intelligent safety mechanisms in such networks that achieve automated Intrusion Detection System (IDS), vulnerability scanning, and data integrity, etc. AI systems, particularly machine learning and deep learning, allow for real-time analysis of massive amounts of traffic data generated by 5G and beyond networks, as well as effective privacy and security of data traffic. The use of virtualization technology and heterogeneous network systems, as well as AI tools, can aid in the optimization of these networks' efficiency. We are looking for high-quality papers on all theoretical and practical aspects of 5G/6G communication network security, such as IDS, malware analysis, and code obfuscation.

Interested topics include (but not limited to):

- Malware analysis
- Lightweight cryptography
- Data analytics for security and privacy
- Network traffic analysis
- Intrusion Detection System (IDS)
- Information and communication security
- Authentication and access control
- Machine and deep learning applications

Important Dates:

March 31, 2023,	Letter of intent for paper contribution
May 15, 2023,	Full paper submission
July 1, 2023,	Acceptance/Rejection notification
August 31, 2023,	Final camera-ready papers due

Special Session Co-chairs:

Associate Prof. Farhan Ullah (Northwestern Polytechnical University, China), email: farhan@nwpu.edu.cn

All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above