General Co-Chairs

- **Jingqing Wang**
jqwangxd@xidian.edu.cn
(Xidian University)
- **Qinghe Du**
duqinghe@xjtu.edu.cn
(Xi'an Jiaotong University)
- **Lixin Li**
lilixin@nwpu.edu.cn
(Northwestern Polytechnical University)
- **Wenchi Cheng**
wccheng@xidian.edu.cn
(Xidian University)
- **Zhou Su**
zhousu@xjtu.edu.cn
(Xi'an Jiaotong University)

西安电子科技大学 XIDIAN UNIVERSITY

西安交通大学 XI'AN JIAOTONG UNIVERSITY

西北工业大学 NORTHWESTERN POLYTECHNICAL UNIVERSITY

Important Dates

- ❖ Submission Deadline: **June 27, 2025**
- ❖ Acceptance Notification: August 11, 2025
- ❖ Final Paper Submission: September 12, 2025

Webpage Link

https://cyber-science.org/2025/cybersc itech/acceptworkshops/

Scope

Emergency communication is a critical strategic element for supporting comprehensive disaster response frameworks, ensuring high reliability in complex rescue operations. In post-disaster environments, traditional communication infrastructures are often unavailable or severely compromised, necessitating rapidly deployable networking solutions enhanced by advanced network automation. Recognizing this need, numerous countries have initiated research into integrating ground, air, and space networks to create a 3D communication framework. This framework facilitates advanced network automation within agile infrastructures, highlighting a shift towards more autonomous and intelligent network management systems that ensure various on-demand Quality of Service (QoS) standards. By incorporating Artificial Intelligence (AI) techniques, these platforms can achieve more efficient, rapid, and reliable network management operations.

Topics

The 3rd Workshop on "Next Generation Intelligent Emergency Communications" offers a platform for researchers to present their works on cutting-edge network design, innovative networking methodologies, etc., for intelligent emergency communications. Topics of interest include (but not limited to) the following list:

- 3D communication frameworks for AI-based emergency communications;
- Advanced frameworks/algorithms for edge AI in emergency communications;
- AI-driven adaptive resource allocation for emergency network optimization and protocol design;
- Network planning/scheduling for intelligent emergency communications;
- Neural networks for wireless emergency communications;
- Large generative AI model and technologies in emergency communications;
- Semantic communications for wireless emergency communications;
- Sensing and localization for wireless intelligent emergency communications;
- QoS optimization in various emergency communication scenarios;
- Theoretical limits for fundamental performance analyses;
- Testing platform for intelligent emergency communications.

All submitted papers should be 4-6 pages long including figures and references, and prepared in IEEE CS Proceedings format. All accepted papers will be published in an IEEE Computer Society proceedings (IEEE-DL and EI indexed).