



Special Session 6

Emerging Technologies for Secure and Intelligent Information Processing and Communications

2026 7th Information Communication Technologies Conference (ICTC) will be held in Nanjing, China during May 8-10, 2026. ICTC 2026 is sponsored by Southeast University, supported by Jiangsu Information Technology Application Society, and Alliance of Key Laboratories for Telecommunication Technology(AKL-TT). At the event, participants will have the opportunity to share their research results in the field of ICT, discuss future technology trends, and how to deal with security challenges related to digitalization. In addition, this conference will further explore how to promote continuous progress in the ICT field, thereby laying a solid foundation for digital development. You are welcome to attend ICTC!

Topics in Special Session 6

This special session focuses on Emerging Technologies for Secure and Intelligent Information Processing and Communications, aiming to bring together researchers and practitioners working at the intersection of security, intelligence, and next-generation communication systems. With the rapid development of information and communication technologies (ICT), emerging paradigms such as artificial intelligence, post-quantum cryptography, distributed learning, and intelligent signal processing are reshaping how information is processed, transmitted, and protected. At the same time, new security and privacy challenges arise in complex and heterogeneous communication environments.

The session will cover recent theoretical advances, algorithmic developments, and practical implementations that enable secure, reliable, and intelligent information processing and communications. **Topics of interest include, but are not limited to:** intelligent and learning-based communication systems, secure signal processing, privacy-preserving machine learning, post-quantum and lightweight cryptography, physical-layer security, secure distributed and federated learning, information-theoretic security, and applications in emerging scenarios such as 6G networks, Internet of Things, and cyber-physical systems.

By providing a multidisciplinary forum, this special session aims to foster cross-fertilization between security, information theory, signal processing, and artificial intelligence, and to highlight new research directions and challenges in secure and intelligent communication technologies.

Submission Link: <https://www.zmeeting.org/submission/ictc2026>

(Choose Special Session 6 to Submit)

More details about Special session 6:

https://www.ictc.net/special_6.html

Chair



Assoc. Prof. Ling Liu

Guangzhou Institute of Technology, Xidian University, China

Co-chair



Assoc. Prof. Zheng Wang

Southeast University, China

Invited Speaker



Assoc. Prof. Shanxiang Lyu

Jinan University, China

Publications

Submitted manuscripts will be peer reviewed by the conference scientific committees. Accepted papers will be included into Conference Proceedings, and submitted for indexing by **Ei Compendex** and **Scopus**. The authors of the papers will be invited to participate in ICTC 2026 to display their research works.

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