



# 7<sup>th</sup> ICTC 2026

## 2026 7th Information Communication Technologies Conference

Nanjing, China  
May 8-10, 2026

### Special Session 3

## Wireless Optical Communication and Sensing Symposium

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, technically co-sponsored by IEEE, and 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 3

This symposium focuses on Wireless Optical Communication and Sensing, covering cutting-edge topics spanning channel modeling, free-space optics, underwater and visible light communication/positioning, and non-terrestrial network applications. It also explores hybrid RF/optical systems, AI-driven signal processing, ultrahigh-bandwidth solutions, and 5G/6G convergence. Green technologies and wireless optical sensing are highlighted to address emerging industrial and academic demands. The session aims to gather global experts for in-depth discussions on theoretical advances, technical breakthroughs, and practical deployments, fostering cross-field collaborations to propel the development of next-generation wireless optical systems.

#### Potential topics, include but not limited to:

- Channel Modeling for Wireless Optical Communication
- Free-Space Optics (FSO)
- Underwater Wireless Optical Communication (UWOC)
- Visible Light Communication (VLC)
- Visible Light Positioning (VLP)
- Wireless Optical Communication in Non-terrestrial networks
- Hybrid RF/Optical Communication Systems
- AI-Based Optical Communication Signal Processing
- Ultrahigh-Bandwidth Optical Communication Systems
- WOC-RF Convergence for 5G/6G Networks
- Green Wireless Optical Communication Technologies
- Wireless Optical Sensing Technologies

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

**(Choose Special Session 3 to Submit)**

More details about Special session 2: [https://www.ictc.net/special\\_3.html](https://www.ictc.net/special_3.html)

### Publications



Submitted manuscripts will be peer reviewed by the conference scientific committees.

Accepted papers will be included into **ICTC2026 Conference Proceedings**, published by **IEEE**, and submitted for indexing by **Ei Compendex** and **Scopus**.

Proceedings of ICTC2020 & ICTC2021 & ICTC2022 & ICTC2023 & ICTC2024 & ICTC2025 have all been included in the IEEE Xplore!

Proceedings of ICTC2020 & ICTC2021 & ICTC2022 & ICTC2023 & ICTC2024 have all been indexed by Ei Compendex and Scopus!

### Chair



**Assoc. Prof. Bingcheng Zhu**  
*Southeast University, Purple Mountain Laboratories, China*

### Co-chairs



**Research Fellow Dr. Ji Chen**  
*Southeast University, Purple Mountain Laboratories, China*



**Research Fellow Dr. Renzhi Yuan**  
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