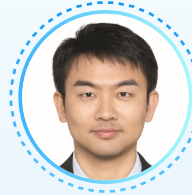


Track 4. Intelligent and Semantic Communications

Semantic communication (SemiCom) has recently been considered a promising solution to guarantee high resource utilization and transmission reliability for future wireless networks. Realizing the full potential of semantic communications in next-generation wireless communications systems is challenging and there are many important open research problems to be solved. Therefore, we keenly invite the research community to contribute to this track.

Topics

- ▶ Source and channel coding for semantic communications
- ▶ Age of Information and Data semantics
- ▶ Resource Management in semantic communication Networks
- ▶ Communication and control co-design
- ▶ User privacy and security
- ▶ Energy aspects for semantic communications
- ▶ Semantic communications in emerging wireless networks
- ▶ Integration of data semantics with network softwarization
- ▶ Experiments, Demos and testbeds

Track Chairs**Chen Dong***Beijing University of Posts and
Telecommunications, China***Chenxi Liu***Beijing University of Posts and
Telecommunications, China***Shuai Ma***Pengcheng Laboratory, China***Liang Zhao***Shenyang Aerospace University, China***Submission Instruction****Submission Link:**<https://easychair.org/conferences/?conf=icct2025> and select Track 4**Template Paper (Word):**<https://www.ieee-icct.org/IEEEtemplate-word.doc>**Template Paper (LaTeX):**<https://www.ieee-icct.org/ieee-conference-latex-template.zip>**Important Dates**

Paper Submission Deadline: May 25, 2025

Notification of Acceptance: June 25, 2025

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