

The 13th IEEE/CIC International Conference on Communications in China

August 7-9, 2024 | Hangzhou, China



CALL FOR PAPERS

IEEE ICC 2024 Workshop on Theory, Technology, and Applications for Semantic Communications

TOPICS

- ◆ Semantic information theory
- ◆ Semantic entropy
- ◆ Multimedia semantic compression
- ◆ Multimedia semantic representation for multimodal data
- ◆ Semantic coding and signal processing
- ◆ End-to-end semantic coding and decoding
- ◆ Semantic aided data mining, prediction and decision making
- ◆ Machine-learning-based Image and video processing
- ◆ Machine-learning-based Image and video transmission
- ◆ Quality evaluation for multimedia semantic communication
- ◆ Priori knowledge models and update methods
- ◆ End-to-end semantic communication system for image and video
- ◆ Network architectures and protocols for semantic communications
- ◆ Experiments and testbeds for semantic communications
- ◆ Semantic communications in emerging wireless networks, i.e., virtual reality, autonomous driving, unmanned aerial vehicle, among others.
- ◆ Network Structured Fundamental Theory
- ◆ Network communication capacity and optimization methods
- ◆ Resource management in semantic communication systems
- ◆ Distributed learning for semantic communication
- ◆ Privacy-preserved semantic communications
- ◆ Security problems and solutions in semantic communication systems
- ◆ Theoretical limits of semantic communications

IMPORTANT DATES

Submission Deadline	June 25, 2024
Notification Deadline	July 15, 2024
Camera Ready	July 24, 2024

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PAPER SUBMISSION

All papers for OWC workshop should be submitted via EDAS through the following link:

<https://ieeicc2024workshops.edas.info/>.