CALL FOR PAPERS

IEEE ICCC 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://ieeeiccc2024workshops.edas.info/.