



全球6G GLOBAL 6G CONFERENCE
技术与产业生态大会

Global 6G Conference 2026

2nd Workshop on Artificial Intelligence (AI)-empowered Internet of Things (AIoT)

April, 2026 Nanjing, Jiangsu, China

Call for Paper

General Chair

Xiaohu You (Director of Purple Mountain Laboratories, Professor at Southeast University, Vice President and Secretary-General of FuTURE FORUM, China)

Workshop Chairs

Chao Wang (Tongji University, China)

Dejan Vukobratovic (University of Novi Sad, Serbia)

Zhiwei Zhao (UESTC, China)

Dragisa Miskovic (The Institute of AI, Serbia)

WORKSHOP SCOPE

The deep integration of Internet of Things (IoT) and Artificial Intelligence (AI), known as the Artificial Intelligence of Things (AIoT), grows as important interdisciplinary research field at the crossroads of information and communication technology (ICT) and computer science. The aim of this workshop is to further explore sensing, perception, transmission, learning and computation in the context of AIoT. It focuses on the following key problems: 1) AI-empowered AIoT multimodal sensing and perception, 2) Collaborative multi-node AIoT node sensing and perception; 3) Semantic and task-oriented IoT communications, 4) Massive intelligent random/multiple access methods for semantic AIoT communications; 5) End-to-end AIoT optimised semantic decision-making, 6) Distributed (split and federated) learning and inference for resource-efficient AIoT. The goal of the workshop is to better understand and provide guidelines for the design, development, deployment and evaluation of future AI-empowered semantic-based AIoT networks. To address the above challenges, this workshop aims at bringing together researchers from academia and industry to discuss recent breakthroughs and novel applications related to semantic communications and AIoT.

Workshop Hosts



UNIVERSITY OF NOVI SAD



电子科技大学
University of Electronic Science and Technology of China



ISTRAŽIVAČKO-RAZVOJNI INSTITUT
ZA VEŠTAČKU INTELIGENCIJU SRBIJE

Topics of Interest

This workshop seeks original and unpublished works in the broad area of AI-empowered IoT networks, semantic communication for AIoT, and end-to-end optimised distributed learning for AIoT. The topics of interest for this workshop include, but are not limited to:

- Semantic communications for AIoT
- Semantic information representation for AIoT
- Random/multiple access for massive AIoT networks
- Cooperative sensing and perception for AIoT systems
- End-to-end optimisation of semantic and task-driven AIoT systems
- LLM and Agentic AI empowered AIoT networks
- Network architectures and protocols for semantic AIoT communications
- Semantic-aware resource management for edge-cloud AIoT continuum
- Experiments and testbeds for semantic AIoT communications

Paper Submission Guidelines

Papers should be submitted via EDAS (<https://edas.info>). Prospective authors should prepare their manuscripts in accordance with the standard IEEE camera-ready format. Submitted papers must not have been previously published in or under consideration for publication in another journal or conference. The Global 6G Conference organizing committee reserves the right not to review papers that either exceed the length limit or have been submitted or published elsewhere. All accepted papers must be presented onsite at the conference. Accepted papers will be submitted for inclusion into IEEE Xplore and then indexed by EI Compendex.

Important Dates

- **Paper submission:** Dec. 31, 2025
- **Notification of acceptance:** Feb.10, 2026
- **Registration Deadline for Authors:** Mar.10, 2026

- **Camera-ready submission:** Apr.1, 2026
- **Presentation submission:** Apr.11, 2026



Scan Me for More Information

For more information, visit the conference website: <https://en.g6gconference.com/>

Conference Hosts:



未来移动通信论坛
FUTURE MOBILE COMMUNICATION FORUM



紫金山实验室
Purple Mountain Laboratories

Technical co-sponsor:



IEEE



IEEE ComSoc
IEEE Communications Society