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International Conference on Artificial Intelligence and Networking

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************* CALL FOR PAPERS *************

SPECIAL SESSION ON

Internet of AI Things (IoAT) for Intelligent Networking and Autonomous Systems

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

The Internet of AI Things (IoAT) is an emerging paradigm that tightly integrates artificial intelligence with networked IoT infrastructures to enable intelligent, autonomous, and self-adaptive systems. In contrast to conventional IoT systems that primarily focus on connectivity and data aggregation, IoAT embeds learning, reasoning, and decision-making capabilities directly within connected devices and networking layers, spanning edge, fog, and cloud environments.

This special session focuses on the role of AI-driven networking, intelligent communication systems, and autonomous decision-making frameworks that operationalize the IoAT vision. The session aims to bring together researchers and practitioners working at the intersection of artificial intelligence, networking, and intelligent systems, highlighting novel architectures, protocols, analytics techniques, and applications that support real-time intelligence, scalability, resilience, and trustworthiness. Emphasis is placed on next-generation intelligent networks, edge intelligence, and practical IoAT deployments across

smart environments, cyber-physical systems, and mission-critical applications.

Topics to be discussed in this special session include (but are not limited to) the following:

- **Architectures and frameworks for Internet of AI Things (IoAT)**

- **AI-driven networking and intelligent communication protocols**

- **Edge intelligence and resource-constrained AI for connected systems**

- **Distributed, federated, and collaborative learning in IoAT networks**

- **IoAT-enabled cyber analytics, security, and anomaly detection**

- **Intelligent networking for smart cities, healthcare, and industrial systems**

- **Edge-to-cloud orchestration and adaptive network management**

- **Trustworthy, explainable, and ethical AI in intelligent IoAT networks**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **[session name]** *on or before* **[30th August 2026]**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://www.icain-conf.com/downloads. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify [Session Name] at the top (above paper title) of the first page of your paper.

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