

# ICUFN 2025

The 16th International Conference on Ubiquitous and Future Networks

July 8 (Tue.) ~ 11 (Fri.), 2025, Iscte - University Institute of Lisbon, Lisbon, Portugal

Paper Submission Deadline: **Feb. 14, 2025**

<https://icufn.org>

## CALL FOR PAPERS

During the last decade, we have witnessed fast developments of various networking technologies, and many forms of networking and systems are becoming core parts of our daily lives. With the proliferation of future wireless technologies and electronic devices, there is a fast-growing interest in ubiquitous and future networks. In the coming days, we expect universal communication and networking technologies to become ubiquitous, along with the emergence of many future networking technologies. The ubiquitous and future network will offer multiservice, multimedia services convergence, mobility, service ubiquity, context awareness, fixed mobile convergence, quality of service, variable connectivity, spontaneous networking, autonomic networking and other capabilities as the norm. Building on the success of

the last 15 years, the 16th International Conference on Ubiquitous and Future Networks (ICUFN 2025) aims to address advances in research on ubiquitous and future networks, covering topics ranging from technology issues to emerging applications and test-bed developments. ICUFN 2025 solicits original, unpublished contributions in all ubiquitous and future networking and system aspects. Submitted articles must not be concurrently considered elsewhere for publication. We also encourage authors to submit short papers on the early stages of research or development, which present significant new challenges. Position papers on new ideas and industry papers are also welcome. The conference is organized by KICS, and accepted and presented papers will be published in the ICUFN 2025 Conference Proceedings with an assigned ISBN.

### The topics include, but are not limited to

#### Mobile Communications

- Wireless and Communication Networks
- Cognitive Radio Network
- 6G, 5G, PS-LTE, LTE-R and LTE-Advanced
- WLAN, WPAN
- Wireless Ad-hoc and Mesh Networks
- Small Cell Networks
- Heterogeneous Networks
- Interference Management
- Radio Resource Management
- Cooperative and Collaborative Communications
- Cross-Layer Design and Optimization
- AI/Machine Learning for Mobile Communications

#### Open Networking

- Open RAN
- QoE, QoS, SLA and GoS
- Future Internet and Networks
- SDN and Network Virtualization
- Web-services and SOA
- Security and Network Management
- Open Platform, Software and Services
- Network Theory and Network Science
- Information Networks
- Social Network
- Network Coding
- AI/Machine Learning for Open Networking

#### Big Data and Cloud

- Cloud Computing and Networks
- Datacenter Networking
- CCN/CDN/ICN/Delay-tolerant networks
- Big Data Networks
- Fog Computing and Networking
- Storage Networking Protocols
- Distributed and Parallel Systems
- Embedded Systems
- Smartphone Applications
- Applied Computing
- Energy/Power Management
- AI/Machine Learning for Big Data and Cloud

#### Internet of Things (IoT)

- Ubiquitous Computing and Sensor Networks
- Wireless Sensor Networks, RFID and QR Code
- Cyber-physical system (CPS)
- Optical Wireless Communications (OWC), VLC and IR Communication
- Underwater Sensor Networks
- Internet of things (IoTs) and Internet of Lights (IoL)
- Body Area Network
- D2D and M2M
- Nano Communication Networks
- AI/Machine Learning for Internet of Things (IoT)

#### Autonomous Systems

- Vehicular Ad-hoc Networks and Autonomous Vehicles
- Energy Internet, Smart Grid and Green Internet
- LBS, Localization, Positioning and Navigation
- Location and Mobility Management
- e-Health
- AR, VR, MR, Multi Screen and Digital Signage
- Computer Vision Applications
- Safty Critical Systems
- Reliability, Availability and Scalability
- Machine Learning and Computational Intelligence

### Submission Guidelines

All papers must be submitted electronically, in PDF format, and uploaded on EDAS. The direct link for paper submission is <https://edas.info/N33142>. There are two submission options: a full paper or a short paper. We decided to allow the submission of short papers to accommodate the most recent research outcomes. The submissions should be formatted with single-spaced, double-column pages using at least 10 pt size fonts on A4 or letter pages in IEEE style format. The maximum number of pages is 6 for full and 3 for short papers. Please ensure that both full and short papers must be a minimum of 3 pages in length. Detailed formatting and submission instructions will be available on the conference website (<https://icufn.org>).

### Publication

Accepted and presented papers will be published in the ICUFN 2025 Conference Proceedings.

### Best Paper Awards

Best papers will be selected by the technical program committee members among regular papers presented at ICUFN 2025.

### IMPORTANT DATES

Paper Submission Deadline  
(6-page Full Paper or 3-page Short Paper)  
**Feb. 14, 2025**

Acceptance Notification  
**April 25, 2025**

Camera-Ready Paper  
(6-page Full Paper or 3-page Short Paper)  
**May 2, 2025**