# Call for Contributions

**1. Inform the Chair:** with the title of your contribution
**2. Submission URL:**
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTELLI+2025+Special
Please select Track Preference as **ISME**
**3. Note:** *For 2025, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

## ISME: Intelligent Systems for Real-Time Monitoring and Smart Environments

**Chairs**

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**INTELLI 2025: The Fourteenth International Conference on Intelligent Systems and Applications**
https://www.iaria.org/conferences2025/INTELLI25.html
March 9 - 13, 2025 - Lisbon, Portugal

As we enter an era of unprecedented connectivity, the integration of intelligent systems in Internet of Things (IoT) and Cyber-Physical Systems (CPS) has become a cornerstone for transforming industries and enhancing everyday environments. From smart cities to intelligent manufacturing, the ability to monitor, analyze, and react to real-time data is reshaping how we engage with the physical world. The ISME-2025 track invites researchers, practitioners, and industry leaders to explore innovations in real-time monitoring and smart environments, where context-aware, adaptive, and intelligent systems can drive efficiency, sustainability, and security across diverse applications.

This track will focus on cutting-edge advancements that bridge the gap between IoT, CPS, and smart applications, enabling seamless interaction between the digital and physical worlds. Topics will cover real-time decision-making, edge computing, machine learning, and sensor networks, addressing challenges in data processing, interoperability, and cybersecurity.

With a special emphasis on industrial IoT and smart manufacturing, ISME-2025 will highlight solutions that empower industries to embrace Industry 4.0, ensuring predictive maintenance, automated quality control, and energy-efficient production systems.

In addition, this track aims to explore the broader impacts of intelligent systems in environments such as healthcare, smart cities, and consumer applications, showcasing innovations in real-time health monitoring, automated dispensing systems, and environmental sensing. By fostering cross-disciplinary collaboration, ISME-2025 will serve as a platform to drive the future of intelligent systems, contributing to a smarter, more connected, and resilient world.

**Prospective authors** are invited to submit original papers on topics including, but not limited to:

- Intelligent systems for environmental sensing and monitoring
- IoT-based real-time monitoring systems
- Context-aware intelligent systems for smart environments
- Adaptive problem-solving in intelligent sensor networks
- Real-time data analytics for smart environments
- Cyber-Physical Systems (CPS) for smart infrastructure
- IoT-enabled intelligent control systems
- Intelligent decision-making in resource-constrained environments
- Intelligent systems for health and wellness monitoring
- Intelligent systems for automated beverage and food dispensing
- Wireless and sensor-based systems for smart environments
- Smart manufacturing systems and intelligent production lines
- Industrial IoT for factory automation and process control
- Predictive maintenance and real-time monitoring in manufacturing
- IoT and CPS for quality assurance and defect detection
- Edge computing and real-time data processing in industrial applications
- Intelligent robotics and automation in manufacturing
- Data-driven optimization of production processes
- Machine learning and AI for industrial applications
- Cybersecurity in industrial IoT and CPS systems
- Energy-efficient intelligent systems for manufacturing environments

**Contribution Types**
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

**Important Deadlines**
Inform the Chair or Coordinator: As soon as you decide to contribute
Submission: Jan 18, 2025
Notification: Feb 7, 2025
Registration: Feb 20, 2025
Camera-ready: Feb 20, 2025
***Note:*** *The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chairs.*

**Paper Format**
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

**Publications**
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the Open Access ThinkMind Digital Library: http://www.thinkmind.org

**Paper Submission**
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTELLI+2025+Special
Please select Track Preference as **ISME**

**Registration**
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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