

**ICAIN-2025**  
**International Conference on Artificial**  
**Intelligence and Networking**

Organized by  
**University of Stirling - RAK Campus, UAE**

**10th - 11th October 2025**

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

**SPECIAL SESSION ON**

**"AI-Driven Sustainable Smart Environments"**

**SESSION ORGANIZERS:**

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**SESSION DESCRIPTION:**

The rapid advancements in Artificial Intelligence (AI) and the Internet of Things (IoT) have opened new frontiers for designing sustainable smart environments. This special session aims to explore cutting-edge AI-driven solutions for enhancing energy efficiency, intelligent decision-making, and automation in smart cities, greenhouses, and industrial settings. The session will provide a forum for researchers,

academicians, and industry experts to discuss innovative methodologies, frameworks, and real-world applications that leverage AI, IoT, and communication technologies to create sustainable and resilient environments. The session will also cover interdisciplinary approaches integrating machine learning, deep learning, computer vision, and robotics to optimize infrastructure and resource management while reducing environmental impact.

#### RECOMMENDED TOPICS:

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

- AI-driven IoT frameworks for smart cities and green infrastructures
- Machine learning applications in energy-efficient systems
- Computer vision for automated environmental monitoring and resource optimization
- AI-based decision support systems for sustainability and smart governance
- Renewable energy management using AI and big data analytics
- Cybersecurity and privacy challenges in AI-driven smart environments
- Blockchain for secure and decentralized smart infrastructure
- AI applications in precision agriculture and greenhouse automation
- Edge AI and federated learning in sustainable IoT solutions
- Real-time data processing for smart industry and predictive maintenance

#### SUBMISSION PROCEDURE:

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Researchers and practitioners are invited to submit papers for this particular theme session on **"AI-Driven Sustainable Smart Environments"** on or before **30th May 2025**. 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.icaain-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 **"AI-Driven Sustainable Smart Environments"** at the top (above the paper title) of the first page of your paper.

Looking forward to your participation in **ICAIn-2025!**

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