UNIVERSITY of STIRLING | **RAS AL KHAIMAH CAMPUS**

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 for Sustainable Smart
Cities and Infrastructure

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

This special session aims to highlight cutting-edge research and practical advancements in the application of Artificial Intelligence (AI) for developing sustainable and intelligent urban environments. As cities worldwide face challenges related to rapid urbanization, resource management, mobility, and environmental sustainability, AI offers powerful tools for data-driven decision-making, real-time monitoring, and predictive optimization. This session will bring together interdisciplinary contributions that leverage AI, machine learning, edge computing, and IoT technologies to enable smarter infrastructure, optimize urban services, and enhance the quality of life in modern cities. Topics will range from intelligent transportation systems, smart energy grids, and urban planning to environmental monitoring, disaster resilience, and ethical considerations in deploying AI in public domains. Researchers, practitioners, and policy-makers are encouraged to contribute innovative approaches, case studies, and frameworks that drive the future of smart and sustainable cities.

RECOMMENDED TOPICS:

- AI-driven urban planning and smart infrastructure development
- Intelligent transportation and traffic management systems
- Machine learning for energy efficiency and smart grids
- AI in water and waste management systems
- Real-time environmental monitoring using AI and IoT
- Predictive maintenance of public infrastructure
- AI for disaster preparedness and emergency response
- Edge AI applications in smart cities
- Computer vision for urban surveillance and public safety
- Ethical, legal, and privacy issues in AI-based urban systems
- Multi-agent systems for decentralized smart city solutions
- AI for citizen engagement and smart governance
- Sustainable development goals (SDGs) and AI alignment
- Digital twins and AI-based urban simulations
- AI applications in public health and urban well-being

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **AI for Sustainable Smart Cities and Infrastructure** *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.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 AI for Sustainable Smart Cities and Infrastructure at the top (above paper title) of the first page of your paper.

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