

## CogniCity 2026

### International Workshop on Cognitive and AI-Driven Smart Cities

In conjunction with AICCSA 2026

University of Sharjah, UAE • 26–29 October 2026



### Workshop Overview

As urban populations grow and city infrastructures become increasingly complex, *cognitive cities* are emerging as the next frontier of urban intelligence — environments where **agentic AI** systems autonomously perceive, reason, and act to optimize city operations in real time. CogniCity 2026 brings together researchers, practitioners, and policymakers to explore how agentic AI, underpinned by digital twins, edge intelligence, and trustworthy autonomous systems, is transforming urban environments into self-managing, resilient, and human-centred ecosystems — capable of anticipating disruptions, coordinating multi-domain responses, and continuously adapting to the evolving needs of their citizens.

### Topics of Interest

We solicit original papers in, but not limited to, the following areas:

- Agentic AI for cognitive Cities
- Smart Sensors and Wireless Sensor Networks
- Cognitive and Autonomous Urban Systems
- Self-Healing and Resilient Cognitive Urban Systems
- Urban Data Analytics and Real-Time Decision-Making
- IoT and Edge AI for Urban Environments
- Digital Twins for Urban Modeling and Simulation
- Smart Mobility and Intelligent Transportation Systems
- Security, Privacy, and Federated Learning
- Human-Centred AI, Ethics, and Governance
- AI-Driven Disaster Management and Emergency Response
- Industry 4.0 and Cyber-Physical Systems for Smart Urban Economies
- Urban Logistics and Intelligent Supply Networks
- Explainable AI (XAI)

### Submission Guidelines

- **Length:** Full Papers: up to 6 pages
- **Formatting:** IEEE two-column format (10pt)
- **Review:** Double-blind
- **Submission:** <https://easychair.org/conferences/?conf=aiccsa2026>

When submitting, please select the *CogniCity 2026* track from the workshop list.

### Important Dates (AoE)

- **Submission:** June 15, 2026
- **Notification:** August 5, 2026
- **Camera-Ready:** September 5, 2026
- **Author Registration:** September 5, 2026
- **Workshop:** 26–29 October 2026

### Organizing Committee

**General Chair:** Imed Ben Dhaou (Dar Al-Hekma University, Saudi Arabia)

**Program Chair:** Passent Elkafrawy (Effat University, Saudi Arabia)

**Co-Chair:** Najib Ben Aoun (Al-Baha University, Saudi Arabia)

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- Hemachandran Kannan (AI Research Centre at Woxsen School of Business, India)

### Contact

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