



Western Saudi Arabia Section

Call for Papers

The 3rd International Conference on Advanced Innovations in Smart Cities (ICAISC 2027)

The Organizing Committee of the 3rd International Conference on Advanced Innovations in Smart Cities (**ICAISC 2027**) invites researchers, practitioners, and industry experts to submit their original research papers for presentation at the conference, which will be held from 2nd to 3rd February 2027 in Jeddah, Saudi Arabia. The conference is sponsored by Jeddah International College (JIC) in collaboration with **IEEE** Western Saudi Arabia Section.

Conference Theme

The theme of **ICAISC 2027** is "Smart Cities", encompassing a broad range of topics including but not limited to:

- Artificial Intelligence
- Internet of Things (IoT)
- Cybersecurity
- Big Data and Data Science
- Smart Energy and Transportation

Important Dates

- **Abstract Submission Deadline:** 15th September 2026
- **Full Paper Submission Deadline:** 15th October 2026
- **Notification of Acceptance:** 15th December 2026
- **Final Paper Submission Deadline:** 30th December 2026

Publication

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Submission Guidelines

Authors are invited to submit abstracts and full papers through the conference submission portal. Submissions should be original, previously unpublished works not currently under review for any other conference or journal.

Abstract Submission:

- Abstracts should be a maximum of 300 words, summarizing the key points of the research, including the objectives, methodology, results, and conclusions.

Full Paper Submission:

- Full papers should adhere to the IEEE conference template and formatting guidelines, which will be available on the conference website. Papers should not exceed 6 pages, including references and appendices.



Western Saudi Arabia Section

Review Process:

All submissions will undergo a rigorous peer-review process. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Registration Fees

To support the conference logistics and publication proceedings, at least one author of each accepted paper must register. The registration fee structure is as follows:

<u>Participant Category</u>	<u>Registration Fee</u>
Normal Researcher (Non-IEEE Member)	\$400
IEEE Member	\$300
Non-IEEE Student	\$300
IEEE Student	\$250

Submission Portal

Microsoft CMT

<https://cmt3.research.microsoft.com/ICAISC2027>

Conference Website

<https://icaisc27.jiccollege.edu.sa>

Email submissions will not be accepted.

Topics of Interest

The conference welcomes papers on a wide range of topics related to smart cities, including but not limited to:

1. Artificial Intelligence & Deep Learning for Urban Systems

- Generative AI and Large Language Models (LLMs) for civic services
- Computer vision for urban surveillance and crowd management
- Predictive maintenance for city infrastructure and public utilities
- Explainable AI (XAI) in automated public decision-making
- Digital twins for urban planning and real-time simulation
- Autonomous systems, robotics, and drone-based city services

2. Advanced IoT, Edge Computing & Connectivity

Next-generation networking (6G/5G) for ultra-low latency urban applications
Edge-to-cloud architectures for distributed smart systems
Low-Power Wide-Area Networks (LPWAN) and NB-IoT protocols
Self-healing and reconfigurable sensor networks
Wearable technology and body area networks for citizen well-being
Vehicular Ad-Hoc Networks (VANETs) and V2X (Vehicle-to-Everything) communication

3. Next-Gen Cybersecurity, Blockchain & Privacy

Zero-trust architectures for interconnected smart city networks
Threat intelligence and automated phishing/intrusion detection systems
Blockchain and decentralized ledger technologies for secure smart contracts
Privacy-preserving data sharing (Differential Privacy, Federated Learning)
Securing critical national infrastructure (water, grids, telecommunications)
Cryptographic protocols for resource-constrained IoT devices

4. Big Data Engineering & Spatial Data Analytics

Geographical Information Systems (GIS) and spatial-temporal data mining
Real-time stream processing for high-volume urban data
Data fusion techniques for heterogeneous sensor data
Open data frameworks and interoperability standards for municipalities
Visual analytics and interactive dashboards for city operators

5. Smart Energy, Sustainability & Green Tech

Renewable energy integration (solar, wind) into microgrids
AI-driven demand-side energy management and forecasting
Electric Vehicle (EV) charging infrastructure and grid balancing
Circular economy frameworks and smart waste sorting/recycling systems
Carbon footprint tracking and climate mitigation technologies
Smart water harvesting, distribution, and leakage detection

6. Smart Society, Economy & Digital Governance

E-Government portals and citizen-centric digital platforms
FinTech solutions, mobile wallets, and digital economies in smart cities
Tech-driven disaster response and emergency management systems
Digital inclusion, accessibility, and bridge of the digital divide
Smart logistics, supply chain tracking, and automated warehousing

Conference Highlights

- Keynote Speeches by Leading Experts
- Technical Sessions and Workshops
- Panel Discussions
- Networking Opportunities
- Presentation Mode: Hybrid (On-line and In-Person)

Venue

Jeddah, Saudi Arabia



Western Saudi Arabia Section

Additional Information

ICAISC 2027 aims to promote collaboration among researchers, practitioners, and industry experts to explore and develop innovative solutions for the challenges faced by modern cities. Attendees will have the opportunity to participate in interactive sessions, hands-on workshops, and panel discussions that delve into the latest advancements and future directions in smart city technologies.

The conference will also feature an exhibition area where industry leaders and startups can showcase their latest products, services, and technologies. This provides a unique platform for networking and potential collaboration between academia and industry.

We encourage submissions that address practical challenges and propose new methodologies, models, and technologies that can be applied in real-world scenarios. Cross-disciplinary research that combines insights from different fields to tackle complex urban issues is highly welcomed.

Join us at **ICAISC 2027** to share your research, network with peers, and contribute to the advancement of smart city technologies. We look forward to your participation!

For more details and to submit your abstracts and papers, please visit the conference website [here](#).

Contact Information: For any inquiries, please contact the conference organizing committee at ICAISC27@jjcollege.edu.sa or visit the conference website [here](#).