



2026 The 14th International Conference on Information Technology: IoT and Smart City

We are proud to announce 2026 The 14th International Conference on Information Technology: IoT and Smart City will take place on December 11-13, 2026 in Shanghai, China. It will be sponsored by Shanghai Jiao Tong University, China. The theme of ICIT 2026 focuses on the IoT and Smart City and related technologies. The conference features peer-reviewed presentations showcasing the latest technologies, applications and services, keynote talks from renowned academics, special session, and academic visit. ICIT will offer a platform for the scholars from the world to gather for communications. We invite you to the ICIT2026 : IoT and Smart City!

<https://icit.org/>

Shanghai
December 11-13, 2026

Track Title

Secure Edge Intelligence, Lightweight Cryptography and Trustworthy Connectivity for Smart Cities

As billions of resource-constrained IoT devices are deployed across smart cities, three converging challenges define the next decade of urban computing: (1) edge devices require lightweight yet provably secure cryptographic primitives resistant to quantum-era threats; (2) 5G/6G connectivity demands resilient, zero-trust architectures for mission-critical urban services; (3) AI-driven edge intelligence must operate under strict security, privacy, and sustainability guarantees. This track invites conceptual, empirical, design-science, and practice-oriented research at the intersection of lightweight cryptography, secure edge AI, and trustworthy connectivity for smart cities. We welcome studies on chaos-based and memristive cryptographic systems, post-quantum lightweight security, zero-trust architectures, secure 5G/6G MIMO and beam-steering, federated learning security, threat detection for urban IoT, and privacy-preserving edge analytics. The track complements ICIT 2026's existing tracks by providing a dedicated venue for the rapidly growing community working on security-by-design for intelligent urban infrastructure. Submissions bridging theory and real-world smart city deployments — in healthcare, transportation, energy, and public services — are especially encouraged.

Important Date

Submission Deadline: August 25, 2026
Notification Deadline: September 15, 2026
Registration Deadline: September 30, 2026
Listener Registration: December 6, 2026

Publication

Accepted papers will be included in the conference proceedings to be published with International Conference Proceedings by ACM, which are indexed by Ei Compendex, Scopus, IET etc. major databases.

Topics

- Chaos-Based & Memristive Cryptography for IoT Edge — hyperchaotic maps, PRNGs, lightweight image/data encryption, hardware-friendly chaotic ciphers
- Post-Quantum & Lightweight Cryptography for Smart City IoT — lattice-based, hash-based, and resource-constrained PQC implementations; encrypted polar codes; quantum-resistant protocol design
- Zero-Trust Architectures & Resilience Engineering for Edge AI — identity federation, secure boot, firmware integrity, side-channel countermeasures, PUFs
- Secure 5G/6G Connectivity: MIMO, Beam-Steering & Physical Layer Security — mmWave security, dual-resonance MIMO, velocity-aware beamforming, PHY-layer authentication
- Trustworthy Edge AI & Federated Learning for Urban IoT — TinyML security, adversarial robustness, privacy-preserving on-device inference, explainable edge AI
- Threat Detection, Intrusion Prevention & Anomaly Detection for Smart City Networks — AI-driven IDS/IPS, attack modeling, digital twin security
- Privacy-Preserving Data Analytics & Confidential Computing for Urban IoT — homomorphic encryption, secure MPC, differential privacy, confidential computing enclaves
- Secure Smart City Applications — healthcare IoT, intelligent transportation, smart grid, waste management, and environmental monitoring with security-by-design

Track Organisers

Chair

Karim H Moussa, Assoc.Prof.
Xi'an Jiaotong-Liverpool University, China

- Dr. Karim H. Moussa is an Associate Professor at the School of IoT, Xi'an Jiaotong-Liverpool University (XJTLU), where he also serves as Director of Teaching and Learning. He holds a Ph.D. in Electrical Engineering from Alexandria University. His research sits at the intersection of Next-Gen Wireless Communications and Applied AI, with over 43 publications and more than 100,000 USD in funded projects. He has led strategic initiatives including "Intelligent Beam Management for IoT in mmWave Massive MIMO" and actively serves on TPCs for international conferences such as CNIOT 2025.
- Research Interests : Secure IoT & Lightweight Cryptography: Developing quantum-resistant, chaos-based cryptographic primitives (e.g., 5D memristive hyperchaotic maps, PRNGs) for resource-constrained edge devices. Next-Gen Wireless Security: Advancing 6G physical-layer security through velocity-aware beamforming, RIS, and massive MIMO for resilient connectivity in high-mobility urban environments. Trustworthy Edge AI: Bridging theoretical security frameworks with practical IoT deployments in smart cities.

Paper Submission

- 1). Full paper (publication and presentation)
 - 2). Abstract (presentation only)
- English is the official language of the conference; the paper should be written and presented only in English. The standard length of a manuscript is 10 pages(one column) in total, including references.

Submission link

<https://easychair.org/conferences/?conf=icit2026>
By email: icit@bmail.org

Contact

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Supporter    



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