



LE QUY DON  
TECHNICAL UNIVERSITY



## CALL FOR PAPERS

The 2026 IEEE 11<sup>th</sup> International Conference on Integrated Circuits, Design, and Verification (ICDV)  
October 08-10, 2026 – Hanoi, Vietnam

<http://icdv-conf.org>

### Special Session: AI, Quantum Technologies, and Secure Autonomous UxV Systems for Future Intelligent Infrastructure (AISUxV 2026)

The rapid advancement of Artificial Intelligence (AI), autonomous unmanned systems (UxV), quantum computing, and distributed ledger technologies is transforming the landscape of intelligent infrastructure, defense systems, smart cities, and critical digital ecosystems. However, these emerging technologies introduce unprecedented challenges related to security, trustworthiness, resilience, privacy, and interoperability. This special session provides a unique interdisciplinary forum that bridges AI, cybersecurity, quantum technologies, blockchain, and autonomous unmanned systems. Unlike traditional sessions focusing on individual domains, this session emphasizes the convergence of these strategic technologies and their applications in next-generation intelligent infrastructures and autonomous operations.

The session particularly targets cutting-edge research on:

- AI-enabled autonomous UxV systems and swarm intelligence
- Trustworthy, Explainable, and Secure AI for mission-critical applications
- Quantum Artificial Intelligence and Quantum Machine Learning
- Post-Quantum Cryptography and Quantum-Safe Communications
- Quantum-Resistant Blockchain and Distributed Ledger Technologies
- Cybersecurity for Autonomous Vehicles and Multi-Agent Systems
- Secure Edge AI and Federated Learning for UxV Ecosystems
- Digital Twin Technologies for Autonomous Operations
- Resilient Cyber-Physical Systems and Critical Infrastructure Protection
- Autonomous Decision-Making and Human-AI Teaming

#### Important dates:

- Full manuscript submission: July 10, 2026
- Notification of acceptance: August 20, 2026
- Camera-ready submission: September 10, 2026

Submission link: <https://edas.info/N35217>

#### Session Chairs:

##### Ass. Prof. Dr. Ta Minh Thanh

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**Biography:** Ta Minh Thanh is Lecturer of Faculty of Information Technology, Le Qui Don Technical University, Ha Noi, Viet Nam. He is also Postdoctoral Fellow of Department of Mathematical and Computing Sciences at Tokyo Institute of Technology. He received his B.S. and M.S of Computer Science from National Defense Academy, Japan, in 2005 and 2008, and his Ph.D. from Tokyo Institute of Technology, Japan, in 2015, respectively. He is the member of IPSJ Japan and IEEE. His research interests lie in the area of watermarking, network security, and computer vision.

Scholar profile link: <https://scholar.google.com/citations?user=8xkArQEAAA&hl=en>

##### Dr. Pham Truong Son

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**Biography:** Truong Son Pham received his Doctor of Philosophy (Ph.D.) in Computer Science from the Bundeswehr University Munich, Germany, where he also completed a postdoctoral position in the field of cybersecurity. He is currently the Vice Director of the Cybersecurity Center of Excellence at Le Quy Don Technical University, Vietnam, and serves as the Secretary of the ICT Journal (Information and Communication Technology Special Issue) of the university. His research interests focus on cybersecurity, digital forensics, malware analysis, and machine learning. He has established strong national and international collaborations and actively contributes to the academic community as a reviewer for various reputable journals and conferences.

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