



Conference Program

29-10-2025

- 08:00 – 08:45 Welcome Reception & Registration
- 08:45- 09:00 – Opening Ceremony « Welcome to ICNAS'2025 Conference»

Link: <https://meet.jit.si/NCAIT2025>

- Quran recitation
- National anthem
- Welcome speech by the General Chair
- Welcome speech by the Dean of the Faculty of Sciences and Technology
- Welcome Speech and Official Opening of the Conference by the Rector of El Tarf University.

Session 1 / Invited Keynote Talks

Link: <https://meet.jit.si/NCAIT2025>

09:00-09:45: Opening keynote1: "Large scale distributed sensing and data storage using CAVs : Turning vehicular networks into city-wide perception hubs "

Pr Yacine Ghamri-Doudane

09:45-10:30: Opening keynote 2: " Quantum Computing and Artificial Intelligence: Synergies, Challenges, and the Future of Intelligent Systems"

Dr. Safia Djemame Zazoua

- 10 h 30 - 11 h 00: Break (Photo session & Coffee) and IEEE Algeria Section stand

11:05-12h45 —Parallel sessions (On-site)

SESSION 1 - (Incubator)

11 h 05 - 12 h 45		
11:05 - 11:25	ISHAK SERRAT	TASD-IDD: Truly Authentic Software Defined Intrusion Detection Dataset
11:25 - 11:45	Mouhcen SEBIHI	ThreatsMaps: Automatic adjustment of CTI with the Running System
11:45 - 12:05	Amal Miloud Aouidate	Quantum and Classical Learning-Assisted Detection of Heart Diseases
12:05 - 12:25	Benalia Elhadja	LAMP-SDIoV: A Latency-Aware Multipath Planning Scheme for an efficient Data Forwarding in SDN-based IoV
12:25 - 12:45	Badereddine Gherbi	Leveraging Quantum Convolutional Neural Networks for Advanced Cancer Detection

SESSION 2 - (EDC)

11 h 05 - 12 h 45		
11:05 - 11:25	Boumediri Takieddine	A Data-Quality-based Clustering Approach for Client Selection in Federated Learning
11:25 - 11:45	BENABBOU FATNA BENT ENNEBI	Swarm Formation Based on Hand Gesture Recognition
11:45 - 12:05	Zoghلامي Mootassem Belleh	Markov-Integrated ConvLSTM (MIC-LSTM): A Hybrid Spatiotemporal Model for Urban Land Use Forecasting
12:05 - 12:25	NASRI Ziad	Towards An Integrated Requirements Engineering Framework for AI/ML-based Systems
12:25 - 12:45	Rim Gasmı	Comparative Analysis of YOLOv8, YOLOv11, and Faster R-CNN for Multi-Crop Plant Disease Detection

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SESSION 3 - (AI House)

11 h 20 - 12 h 25

11:05 - 11:25	Rais Khadija	Evaluating Class Integrity in GAN-Generated Synthetic Medical Datasets
11:25 - 11:45	Kahina Amara	An Interactive Mobile Augmented Reality Framework for Brain Tumour Detection and Visualisation
11:45 - 12:05	Ayoub Bouslah	Speech Disfluency Removal and Augmentation for Enhanced Voice Technology Interaction
12:05 - 12:25	Mohamed Sahraoui	Environment-Aware Clustering Scheme with Optimal Deployment of Nodes in Wireless Sensor Networks

11:05-12h45 —Parallel sessions (On-Line)

SESSION 4 - (EDC) **On-Line**, Link: <https://meet.jit.si/NCAIIT2025>

11 h 05 - 12 h 45

11:05 - 11:25	Mohammed Lamine DAIKHA	Blockchain-Based Privacy Preservation in IoT Smart Environments: A Survey
11:25 - 11:45	Bourbei Lamisse	An Improved Certificateless Aggregate Signature Scheme for Securing Health Data in WBANs
11:45 - 12:05	MAYOUF Dallal	Additive Homomorphism for RSA via Exponentiation Encoding for IoT Security
12:05 - 12:25	Islam Amine Bouchedjera	A Neural-Fuzzy Q-Learning Framework for Autonomous Routing in Mobile In-Body Nano-Networks
12:25 - 12:45	Benharoune Mohamed ElAmine	Hybrid PSO-GA-Based Base Station Placement for Balancing Energy Consumption and Delay Among Cluster Heads in Clustered WSNs

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SESSION 5 - (EDC) On-Line, Link: <https://meet.jit.si/NCAIT2025Session2>

11 h 05 - 12 h 45

11:05 - 11:25	Samia Haboussi	Decentralized Service Discovery in IoT applications based on Improved Cuckoo Search Algorithm
11:25 - 11:45	Boubakeur ANNANE	A Hybrid Quantum-Blockchain Model for Enhancing Security in Electronic Health Records
11:45 - 12:05	Hameche Nour	Machine and Deep learning Techniques for Histological Images Classification
12:05 - 12:25	Bekkouche Mohammed	Log-based anomaly detection using BiLSTM-Autoencoder
12:25 - 12:45	Hezili Besma	A Collaborative Auto-Diversified Optimization Scheme for Factory Selection and Distribution Optimization in Multi-Period Supply Chains

SESSION 6 - (EDC) On-Line, Link: <https://meet.jit.si/NCAIT2025Session3>

11 h 05 - 12 h 45

11:05 - 11:25	Beddad boucif	An Adaptive Fuzzy C-Means Algorithm based on Local Spatial Context and Normalized Kernel Distance for Digital Image Segmentation
11:25 - 11:45	SENKADI Khawla	Multi-Label Classification of Digitized Clinical Records Using Transformer-Based Models
11:45 - 12:05	Houas Yamina	In Silico Exploration of Natural Bioactive Compounds Against Pathological Protein Involved in Neurodegenerative Disorders
12:05 - 12:25	Bourahla Amayas	Automated Information Extraction From Medical Prescriptions
12:25 - 12:45	Mohamed Amine Guerroudji	A Collaborative Virtual Reality Platform for Medical 3D Data Interaction and Training

13:00 – 17:30: Excursion to Bougous Forest, hiking and forest lunch

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09:45-10:30: Opening keynote 1: "Future Intelligent Vision for Securing Connected Networks"

Pr. Lyes Khoukhi

11:00- 11:45: Opening keynote 2: "Next-Gen IoT with Edge AI "

Pr. Pietro Manzoni

➤ **10 h 30 - 11 h 00: Coffee break**

11:00 - 12h40 —Parallel sessions (On-site)

SESSION 1 (AI House)

11 h 00 - 12 h 40

11 h 00 - 12 h 40		
11:00 - 11:20	BOUTABIA INES	A Survey on AI Applications in the Open Classroom Approach
11:20 - 11:40	Boufaida Soundes Oumaima	Designing the Future of Learning: A Review of Intelligent Tutoring Systems and Their AI Foundations
11:40 - 12:00	Sedraoui Brahim Khalil	Cybersecurity in E-Learning: A Literature Review on Phishing Detection Using ML and DL Techniques
12:00 - 12:20	Mounira Redjimi	A Comprehensive Survey on Blockchain, Federated Learning, and AI for Securing the Internet of Medical Things
12:20 - 12:40	Imene Soualmia	Comparative Survey of AI-Driven Credit Card Fraud Detection: Machine Learning, Deep Learning and Hybrid Systems

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SESSION 2 (EDC)

11 h 00 - 12 h 40

11:00 - 11:20	Bahi Abderaouf	CANSR: Cognitive-Aware NeuroSymbolic Recommendations
11:20 - 11:40	Messaouda BOUTASSETTA	Cyberattack Detection in Smart Cities Using AI: A literature review
11:40 - 12:00	Djaber Abbas	Privacy and Security in Decentralized Cyber-Physical Systems: A Survey
12:00 - 12:20	Wahida Merini	A Sharding Approach Towards Scalable Blockchain based Gas Supply Chain Management
12:20 - 12:40	Chemam Chaima	AI-Powered Fault Detection in Autonomous Vehicles: A Comparative Study

12:40 – 13:00: Summary and Closing Session – ICNAS 2025