International Conference on Applied Artificial Intelligence and Emerging Technologies

"Applied Artificial Intelligence for a Smarter and Sustainable Future"

AAIET 2025

Hybrid Conference

DECEMBER 15–16, 2025

PROGRAM OVERVIEW

DAY 1

DEC 15 2025

08:30 - 09:00	**Participant reception**
09:00 - 09:45	**Opening Ceremony (Conference Hall of the Faculty of Science and Technology** **Prof. El Hadj AILAM** Rector of University of Djelfa **Prof. Amar DJEMOUI** Dean of the Faculty of ES&CS **Dr. Nabil NOURI** General Chair
09:45 - 10:30	**Plenary Session 1** **AI + Computer Vision = Medicine Reimagined** **Professor Abbas CHEDDAD** *University of Tartu (Estonia) & Blekinge Institute of Technology (Sweden)* **Plenary Chair: Professor Chaker KERRACHE**
10:30 - 11:15	**Coffee break** **Posters session 1**
11:15 - 12:00	**Plenary Session 2** **Deep Reinforcement Learning at the Edge: Toward Smarter, Sustainable, and Autonomous Systems** **Dr. Dhelim SAHRAOUI** *School of Computing Dublin City University (Ireland)* **Plenary Chair: Professor Kamel GUESMI**

PROGRAM OVERVIEW

DAY 1

DEC 15 2025

12:00 - 13:15 Lunch Break

13:15 - 14:00 Plenary Session 3

Driving the Future: AI-Powered Autonomous Vehicles Transforming Service Delivery

Professor Soufiene DJAHEL

Centre for Future Transport and Cities at Coventry University (UK)

Plenary Chair: Professor Saadi SLAMI

14:00 - 15:30 Technical Sessions (in Parallel)

Room 01 (In-person)	Session Chairs: Dr. Nadji HADROUG & Dr. Moh. NADOUR
Room 02 (In-person)	Session Chairs: Dr. Elhadi Mehallel
Room 03 (In-person)	Session Chairs: Dr. Aissat Sidali
Room 04 (In-person)	Session Chairs: Dr. Linani Messaoud
Room 05 (In-person)	Session Chairs: Dr. Latreche Boubakeur
Room 06 (Online)	Session Chair: Prof. Brahim FAROU
Room 07 (Online)	Session Chair: Dr. Belkacem MOSTEFAI
Room 08 (Online)	Session Chair: Dr. Rochdi BOUDJEHEM
Room 09 (Online)	Session Chair: Dr. Rania FARAH
Room 10 (Online)	Session Chair: Dr. Imane BOUACIDA
Room 11 (Online)	Session Chair: Dr. M’hamed ACHOUR
Room 12 (Online)	Session Chair: Dr. Aymen BERINI

DAY 2

DEC 16 2025

09:00 - 09:45 Plenary Session 1

LLM-based agents : From Digital Services to Cognitive Agents

Professor Boualem BENATALLAH

School of Computing Dublin City University (Ireland)

Plenary Chair: Dr. Dhelim SAHRAOUI

PROGRAM OVERVIEW

DAY 2

DEC 16 2025

09:45 - 10:30 **Plenary Session 2**

Towards Achieving the Vision of Zero-Touch Management in 5G and Beyond Networks.

Dr. Brik BOUZIANE

University of Sharjah (UAE) & University of Bourgogne (France)

Plenary Chair: Professor Farid MESLMI

10:30 - 11:15 **Coffee break**

Posters session 2

11:15 - 12:00 **Plenary Session 3**

Intelligent Clustering and Ressource Optimization in Large-Scale IoT Networks

Professor Zibouda ALIOUAT

Computer Engineering Department Setif 1 University (Algeria)

Plenary Chair: Dr. Dalila DJOUDI

12:00 - 13:15 **Lunch Break**

14:00 - 15:30 **Technical Sessions (in Parallel)**

Room 01 (In-person)	**Session Chairs: Dr. Mohamed NADOUR & Dr. Ali TETA**
Room 02 (In-person)	**Session Chairs: Dr. Elhadi Mehallel**
Room 03 (In-person)	**Session Chairs: Dr. Aissat Sidali**
Room 04 (In-person)	**Session Chairs: Dr. Linani Messaoud**
Room 05 (In-person)	**Session Chairs: Dr. Latreche Boubakeur**
Room 06 (Online)	**Session Chair: Prof. Brahim FAROU**
Room 07 (Online)	**Session Chair: Prof. Chaker KERRACHE**
Room 08 (Online)	**Session Chair: Dr. Rachid SELT**
Room 09 (Online)	**Session Chair: Dr. M'hamed ACHOUR**
Room 10 (Online)	**Session Chair: Dr. Elhachemi GATTAL**
Room 11 (Online)	**Session Chair: Dr. Aymen BERINI**
Room 12 (Online)	**Session Chair: Dr. Ahmed MERRAD**

15:30 - 13:15 **Closing Ceremony**

SESSION DETAILS

DAY 1

Oral sessions will start at 14:00 and run in parallel; each presentation is limited to 20 minutes, with a 10-minute break after every two sessions.

DEC 15 2025

Oral Session

Room 1 – Robotics, Control and Drives (On-site)	Room 2 – Cryptography, Security and Privacy (On-site)	Room 3 – Smart Grids, Renewable Energy and Power Systems (On-site)	Room 4 – IoT, Edge and Healthcare Monitoring (On-site)
ID: 5 – A Comparative Study of Gain Selection Methods for Computed Torque Control of a Two-Link Manipulator – Presented by **Ahmed Bennaoui (University of Laghouat)**	**ID: 161** – Cryptography vs. Chaos-Based Cryptography: A Comparative Analysis – Presented by Saadi Abdelkader **(University of Science and Technology of Oran)**	**ID: 228** – A Deep Learning Framework for High-Accuracy Power Quality Disturbance Classification Towards a Reliable and Sustainable Smart Grid – Presented by **ELBAR Mohamed (University of Djelfa)**	**ID: 240** – Development of a Connected Intelligent System for Beehive Monitoring in Algeria – Presented by **HADROUG NADJI (University of Djelfa)**
ID: 215 – Intelligent Fault Diagnosis for an MS5002C Gas Turbine Using a Neuro-Fuzzy Approach – Presented by **Nadji Hadroug (University of Djelfa)**	**ID: 182** – Recent Advances in Differential Privacy in Federated Learning for Healthcare: A Survey – Presented by **Mohamed Biaa (University of Djelfa)**	**ID: 242** – Deep Learning Models for Time-Series Analysis to Predict Faults in Renewable Energy Systems – Presented by **Messaoud Linani (University of Djelfa)**	**ID: 156** – Crowdsourcing and Smartphone Sensor-Based Smart Flood Detection System – Presented by **Abdessalam Mohammed Hadjkouider (University of Ouargla)**
ID: 186 – A Comparative Investigation of Fuzzy Logic and Vector Control Approaches for Seven-Phase Permanent Magnet Synchronous – Presented by **Abdesslam Ouanouki (University of Laghouat)**	**ID: 245** – Comparative Analysis of INT8 Quantization Methods for Lightweight Intrusion Detection Systems in IoT Networks : PTQ vs QAT – Presented by **Hethat Ahmed (University of Djelfa)**	**ID: 226** – Transfer Learning–Based Detection and Classification of Photovoltaic Faults using IR Thermography – Presented by **Ali Teta (University of Djelfa)**	
ID: 231 – Intelligent Control of VSC-HVDC Systems: Integrating PSO, ANFIS, and Reinforcement. – Presented by Abdelhadi HAMEURLAINE **(University of Djelfa)**		**ID: 246** – Echo State Networks for Data-Driven Fault Detection in Photovoltaic Systems – Presented by **Bouzid Zakaria (University of Djelfa)**	

Room 5 – AI for Medical Imaging (On-site)	Room 6 – Deep Learning for Medical Imaging I (Online)	Room 7 – Education Technologies and Learning Analytics (Online)	Room 8 – AI for Clinical Data & Diseases (Online)
ID: 53 – A New Deep Learning model for Lung and Colon Cancer tissues classification – Presented by **Mohamed Elssaleh Bachiri (University Boumerdes)**	**ID: 133** – Evaluating the Effectiveness of GAN-Assisted Dermoscopic Preprocessing in Skin Cancer Classification – Presented by **Maroua Cheknane (University of Laghouat)**	**ID: 57** – Personalized Video Annotations: A Tool for Enhancing Online Learners' Understanding and Performance – Presented by **Riad Bourbia (University of Guelma)**	**ID: 37** – Improving Cirrhosis Stage Prediction with a SMOTE-Enhanced Random Forest Classifier – Presented by **Hazem Bensalah (University of El Oued El Oued)**
ID: 48 – Mean Differential Evolution for Optimizing Recommender Systems: A Comparative Study – Presented by **Tache Smail (Universite Constantine)**	**ID: 134** – A new model for detection of pneumonia using Chest X-ray – Presented by **Wafa Nebili (University of Souk Ahras)**	**ID: 84** – STUDYVIA: A Comparative Study of AI-Powered Multilingual Learning with Enhanced Arabic Support – Presented by **Ilyas ALI BENYAHIA (University of Chlef)**	**ID: 138** – Arrhythmia Detection by Modeling and Analysing Electrocardiograms – Presented by **Nezzar Nour El Houda (University of Annaba)**
ID: 193 – High-Accuracy Segmentation and Classification of Brain Tumors in MRI Using a Genetically-Tuned Deep Learning Model – Presented by **Arif Houssam Eddine (University of Laghouat)**	**ID: 188** – Skin Disease Detection Based on Instance Segmentation using YOLOv12n-seg – Presented by **Nasima Bousahba (University of Chlef)**	**ID: 192** – Enhancing student engagement in online project using gamification – Presented by **TADJER Houda (University of Guelma)**	**ID: 170** – Enhanced Diabetes Prediction Through Multi-Dataset Integration: A Comprehensive Comparative Evaluation of ML and DL Models. – Presented by **Atmane HADJI (University of Mila)**
ID: 124 – Plant disease classification and interpretability: a deep dive into Resnet50 with fourier-based visualisations – Presented by **Asmaa Chatta (University of Djelfa)**	**ID: 132** – DL for Predicting Microsatellite Instability from H&E Histopathology: A YOLO-Based Approach – Presented by **HIBI lara (University of Chlef)**	**ID: 221** – Reducing repetitive interrogation of LLMs in eLearning context – Presented by **Tarek Boutefara (University of Jijel)**	**ID: 128** – Healthcare Data Modalities for AI: A Systematic Review – Presented by **Nouichi Zehor (University of Guelma)**

Room 9 – AI for Healthcare Systems & Security (Online)	Room 10 – AI for Agriculture and Environment (Online)	Room 11 – Optimization in Wireless and Sensor Networks (Online)	Room 12 – UAV Networks, Anomaly Detection and Edge AI (Online)
ID: 114 – Reinforcement Learning in Healthcare: A Comprehensive Review of Applications, Challenges, and Future Directions – Presented by **Djelloul Daouadji Fadela (University of Mascara)**	**ID: 136** – Hybrid Deep Learning Techniques for Plant Disease Detection – Presented by **Roguia SIOUDA (University of Souk Ahras)**	**ID: 117** – Machine Learning–Based Optimization of LTE Tower Parameters Using Bayesian Methods – Presented by **GUERBOUZ Tahar (University of Ghardaia)**	**ID: 147** – UAV Energy Optimization Using Genetic Algorithm for Task Offloading in Internet of Flying Fog Computing – Presented by **Mohamed Amine ATTALAH (University Centre of Tipaza)**
ID: 118 – Genetic Algorithm Optimization of Semantic Rule Reasoning for Assistive IoT Healthcare Systems – Presented by **Abdelhalim Hadjadj (University of Mila)**	**ID: 70** – AIoT Approach Application for Fish Farming Using the Deep Learning (MobileNetV2 Model) and IoT Technology – Presented by **Abdelkader Amine Chergui (University of Mascara)**	**ID: 71** – A Whale Optimization Approach for Base Station Mobility in Clustered Wireless Sensor Networks – Presented by **Malha Merah (University of Setif 1)**	**ID: 153** – Lightweight Blockchain for Trustworthy Communication in UAV Swarm Networks – Presented by **Fekair Mohamed el amine (University of Ghardaia)**
ID: 89 – Hybrid DTCWT–DWT–DCT Watermarking Scheme for Secure Healthcare Applications – Presented by **Hebbache Khaled (University of Djelfa)**	**ID: 85 –** The Role of Modern Technology in Drug Development – **Presented by Saliha Gacem (University of Djelfa)**	**ID: 154** – An Efficient Data Gathering and Analysis in Green Transportation Technology – Presented by **Chaker Abdelaziz Kerrache (University of Laghouat)**	**ID: 157** – On Data Dissemination in Delay-Tolerant UAV Networks – Presented by **Bidi Mohammed Abdelhak (University of Laghouat)**
ID: 202 – Evaluating Grad-CAM as an Unsupervised Region of Interest Detector for Medical Image Classification – Presented by **Asma Merrad (University of Laghouat)**	**ID: 112 –** Detection of Leaves Health Status based on UAV Flight ... – **Presented by Guettaf Abdallah (University of Djelfa)**	**ID: 166** – An XAI-Optimized Lightweight Intrusion Detection System for IIoT Networks – Presented by **Amina khacha (University of Setif)**	**ID: 213** – Recovery-Aware Self-Supervised Anomaly Detection for Industrial Control Systems – Presented by **ABDELBACET BRAHMIA (University of Guelma)**

SESSION DETAILS

DAY 1

Poster sessions will take place from 10:30 to 11:15.

DEC 15 2025

Poster Session

Session Chair: Dr. Youcef GHIBECHE & Dr. AlaEddine BENRAZEK

ID: 139 – AI-Powered LSTM Predictive Control for Improved Egg Incubation Performance – **ISMAIL ABDELLAH (University of Djelfa)**
ID: 187 – Blockchain-Enabled Electronic Health Records: A Review of Current Approaches – **Karim SEHIMI (ESI-SBA)**
ID: 164 – Sentiment Analysis of Twitter Data: A Comparative Study of Traditional Vector Space Models and BERT-Based Approaches – **MAASKRI Moustafa (University of Tiaret)**
ID: 107 – Neuro Adaptive Sliding Mode Control for High Precision Mechatronic Positioning Under Dynamic Disturbances – **Ahmed Bensahih (University of BISKRA)**
ID: 198 – Securing IoT Using Adaptive Consensus Mechanism – **Ben boudina Lakhdar (University of BISKRA)**
ID: 86 – Comparative study to predict Mean Blood Pressure in Intensive Care using DL and ML Based on Time Series – **AIDOUN Houcine (University of Oran1)**
ID: 173 – Automated Detection of Alzheimer's disease from MRI Scans Using an Enhanced ResNet-101 Model – **Ahmed Bahi Azzououm (University of Chlef)**
ID: 52 – Evaluating SHAP, LIME, and PFI for Explainable Multilayer Perceptron Models in Myopathy Diagnosis – **Radhouane Hammachi (University of Boumerdes)**
ID: 94 – A NARX Neural Network Approach for Predictive Control of Tribo-electrostatic Separation in WEEE Recycling – **Dahou Omar (University of Mascara)**
ID: 99 – Deep Learning for Infectious Disease Forecasting – **Bentabouche Amira (University of Guelma)**
ID: 17 – Comparative Analysis of Deep Learning and Machine Learning Models for Heart Disease Prediction – **Gasmi Safa (University of Badji Mokhtar)**
ID: 44 – End-to-End Phoneme Recognition with Deep Learning Models for Kabyle Speech Data – **TETAH Ikram (University of Bejaia)**
ID: 49 – Satellite Image Classification Using the Classification Learner App: A Machine Learning Approach – **REBIAI Mohamed (Universe of Médéa)**
ID: 177 – Intelligent Game-Theoretic Deep Reinforcement Learning Caching for Named Data Networking: A Unified Optimization Framework – **Seghier Djamal University of Tiaret**
ID: 14 – Distributed Cross-Modal Learning for Sentiment Analysis of Amazon Reviews Using TensorFlow on Spark – **Said Labed University of Constantine**
ID: 111 – Adaptive Preprocessing Approach for Latency Reduction in Real-Time Vision Systems, Applied to Autonomous Vehicles and Embedded Systems – **Rachid Samah University of Djelfa**
ID: 36 – FsSMA–FsDE: Comparative Study of Slime Mould Algorithm and Differential Evolution for Feature Selection on Lymphoma Gene Expression Data – **Djellal Serandi Mohamed University of Mascara**

SESSION DETAILS

DAY 2

Oral sessions will start at 14:00 and run in parallel; each presentation is limited to 20 minutes, with a 10-minute break after every two sessions.

DEC 16 2025

Oral Session

Room 1 – Wireless, Networks and Communications (On-site)	Room 2 – Finance, Business and Innovation (On-site)	Room 3 – Smart Agriculture, Environment and CSP (On-site)	Room 4 – Time Series, Speech and Diagnostics (On-site)
ID: 234 – Q-learning parameters optimization for slottedCSMA-based MAC in WSN – Presented by **Lakhdar kamel OULADDJEDID (University of Laghouat)**	**ID: 236** – From Concept to Commercialization: The University Business Incubator's Role in Translating Applied AI Research into Startups – Presented by **Zoubida Belli (University of Djelfa)**	**ID: 121** – Artificial Intelligence and IoT in Smart Agriculture: A Comprehensive Review of Technologies Revolutionizing Crop Production, Monitoring, and Quality Enhancement – Presented by **Mohamed BOUKHALFA (University of Djelfa)**	**ID: 12 –** PsycheAI: A Multimodal AI System for Real-Time Behavioral Analysis in Mental Health Assessment – Presented by **Meriem Terki (École supérieure en informatique de Sidi Bel Abbès)**
ID: 244 – Hybrid Localization For 5G networks Using Multi-objective Particle Swarm Optimization (MoPSO) – Presented by **Hassak Soufiene (University of Djelfa)**	**ID: 229** – Privacy-Preserving Log Analysis Using Browser-Based Large Language Models: A Hybrid Triage-Deep Analysis Approach – Presented by **ELBAR Mohamed (University of Djelfa)**	**ID: 238** – The use of artificial intelligence (AI) in the geospatial analysis of vegetation dynamics: case study of the Djelfa region in Algeria – Presented by **Brahim Taibaoui (University of Djelfa)**	**ID: 243** – The Critical Importance of Gender-Specific Feature Selection for Accurate Voice Disorder Diagnosis – Presented by **Aboubakr Missaoui (University of Laghouat)**
ID: 200 – STM32F205RFT6 Based GNSS LTE Vehicle Tracking System – Presented by **Zakaria Taleb Bendiab (University of Boumerdes)**		**ID: 241** – AI-Driven Concentrated Solar Power (CSP) System with Real-Time Molten-Salt Thermal Storage and Intelligent Sun-Tracking & Self-Cleaning – Presented by **Kehileche Belkacem**	**ID: 227** – Hardware–Software Co-Design and Deployment of a Deep Learning Face Recognition Framework on the ZYNQ SoC (ARM–FPGA) Architecture – Presented by **Kamal Sehairi (University of Laghouat)**
Room 5 – Vision and Signal Applications (On-site)	**Room 6 – NLP, OCR and Text Analytics (Online)**	**Room 7 – Deep Learning for Medical Imaging II (Online)**	**Room 8 – Smart Grids, Digital Twins and Edge Computing (Online)**
ID: 56 – A Comparative Study of Deep Learning Approaches for Sign Language Recognition – Presented by **Bouressace Hassina (University of Guelma)**	**ID: 51** – KHATT OCR: A Hybrid OCR and NER System for Text Extraction and Entity Recognition in Algerian Documents – Presented by **Dalial Manel AKKOUCHI (University of Boumerdes)**	**ID: 142** – A Hybrid Deep Learning Framework for Automated Tooth Anomaly Detection and Segmentation in Panoramic Radiographs – Presented by **Bendjebar Safia (University of Guelma)**	**ID: 237** – Advances in AI-driven Vital Signs Monitoring Using IoT and Edge Computing: A brief overview – Presented by **Hesna Fartas (University of Guelma)**
ID: 210 – Digital Twin–based deep learning approach for resource optimization in MEC using UAVs – Presented by **Zairi Khadidja (University of Laghouat)**	**ID: 162** – A Systematic Review of Arabic NLP Pipelines for Safety-Critical Text Analytics and Cyber Threat Intelligence (CTI) – Presented by **Roukbi mohammed (National Higher School of Advanced Technologies)**	**ID: 43** – Multi-Kernel Cross-Attention Enhanced U-Net Using MobileNetV2 for Nucleus Segmentation – Presented by **Anouar Khaldi (University Ouargla)**	**ID: 81** – Discrete Grasshopper Optimization for Task Mapping in Network-on-Chip Architectures – Presented by **Farid Boumaza (University of Bordj Bou Arreridj)**
ID: 208 – UAV-driven Smart Farming: A Dual-Phase Transfer Learning Approach for Plant foliar Diseases Detection – Presented by **Smail Islam Hadj Mohammed (University of Laghouat)**	**ID: 160** – A Comprehensive Performance Comparaison of Texture Descriptors and CNN Models for Arabic Calligraphy Style Classification – Presented by **Benchabana Ayoub (University Ouargla)**	**ID: 180** – Comparative Evaluation of GCN, GAT, and GIN for Molecular Classification of EGFR Compounds – Presented by **Berreziga Radia (USTHB)**	**ID: 19** – PanNest: A Novel Pansharpening Based on Nested Hierarchical Transformer – Presented by **Abderrahmane NAAB (University of Boumerdes)**
ID: 222 – Combining Chaotic Systems and Artificial Intelligence in Image Encryption: A Comprehensive Review, Applications, and Challenges – Presented by **Terchoune Fatma Zohra (University of Djelfa)**	**ID: 75** – A Hybrid AI-Powered Document Intelligence Pipeline for Semantic Retrieval and Classification of Scientific Text – Presented by **Bouressace Hassina (University of Guelma)**	**ID: 171** – Integration of Transformer Blocks in DenseNet201 Transfer Learning Model for Improved Feature Attention in Alzheimer's Disease Stage Detection – Presented by **Ahmed Benyahia (CRTI)**	**ID: 9** – Digital Twin–Driven Unsupervised Anomaly Detection Framework for Cyber-Physical Threats in Smart Grids – Presented by **Araar Sarra (University of Guelma)**
Room 9 – Security, Privacy and Federated Learning (Online)	**Room 10 – Human Activity and Data Retrieval (Online)**	**Room 11 – Anomaly Detection and IoT Intelligence (Online)**	**Room 12 – Comparative Architectures and Miscellaneous AI (Online)**
ID: 239 – Dual-Architecture IoT with Multi-Sensor Fusion for Real-Time Hospital Bed Monitoring – Presented by **Meftah El-Hadi (USTHB Algeria)**	**ID: 91** – Lightweight Multi-Branch Separable Convolutional Network for Accurate Human Activity Recognition – Presented by **Abdessalam HATTAB (University of Batna)**	**ID: 168** – Efficient and Privacy-Aware Anomaly Detection in IoT: Comparing ML and Federated Deep Learning Approaches – Presented by **Soheib Benchabana (University of Ouargla)**	**ID: 55** – Synergistic Feature Fusion of CNNs and Transformers for Facial Age Estimation – Presented by **Chami Ahmed Chaouki (University of ELOUED)**
ID: 21 – Privacy-Preserving Federated Learning with CKKS-Based Homomorphic Encryption – Presented by **Beyat Mohammed El Aymene (University of Ouargla)**	**ID: 127** – Content-Based Medical Image Retrieval: An Overview – Presented by **Mohammed Lahouari Harchaoui (ESI-SBA)**	**ID: 115** – Improving Satellite Collision Risk Prediction via Physics-Informed Generative Adversarial Networks – Presented by **OUARI Meriem (National School of Artificial Intelligence)**	**ID: 176** – Deep Convolutional Neural Network Based Image Steganography for Secure Data Hiding – Presented by **Khalil Bousbai (University of Chlef)**
ID: 50 – RMSprop Proves Inadequate for Byzantine Robustness in Federated Recommendation: A Steam Case Study – Presented by **Djamila Bouhata (University of Batna)**	**ID: 106** – Time Series Smart Grid Data Indexing Based on Feature Engineering Using KD-Tree – Presented by **ABDELBACET BRAHMIA (University of Guelma)**	**ID: 3** – Toward Smart Wheat Storage: A Comparative Review and Conceptual IoT-AI Architecture – Presented by **Ali Benyounes (University of Guelma)**	**ID: 203** – Energy Consumption Analysis of Quantization and Pruning on NVIDIA Jetson Orin Platform – Presented by **Belhain Hamza (University of Laghouat)**
ID: 212 – SMOTE Data Leakage and Overfitting in Credit Card Fraud Detection Systems: A Critical Study – Presented by **MAKRI MOHAMMED EL HABIB (University of Sidi Bel Abbés)**		**ID: 7 –** Onto-Security Checks: An Ontology-Based Reasoning Approach for Automated Security Verification in Software Architectures – Presented by **s**	**ID: 232** – Pixels Don't Lie: Visual Cues for Fake Profile Detection – Presented by **Nadir Mahammed (ESI-SBA)**

SESSION DETAILS

DAY 2

Poster sessions will take place from 10:30 to 11:15.

DEC 16 2025

Poster Session

Session Chair: Dr. Youcef GHIBECHE & Dr. AlaEddine BENRAZEK

ID: 158 – Cross-Target Stance Detection in Facebook Posts Using Domain Adaptation – **Bouressace Hassina (University of Guelma)**
ID: 98 – AI-Driven Strategies for Predicting Antimicrobial Resistance: A Comparative Review – **Lina Yassamine Laraissia (University of Guelma)**
ID: 119 – A Comprehensive Review of NLP Techniques for Cognitive-Level Classification of Educational Questions – **Ayat Hadji (Msila University)**
ID: 122 – Groundwater Management in Semi Arid Regions Integrating AI and Traditional Methods for Sustainable Water – **Oumhani LATRECHE (University of Djelfa)**
ID: 194 – A Geometric Approach to Optimal 2D/3D WSN Deployment with Minimal Node Utilization – **Ali Gagui (Biska University)**
ID: 214 – Frequency Domain Spectroscopy-Based Dielectric Property Prediction of Transformer Insulation Using MLP and Random Forest Machine Learning Models – **Souhaib Cherrak (University of Laghouat)**
ID: 167 – A DQN-based model for intelligent network selection in heterogeneous wireless systems – **Sehimi Karim (ESI-SBA)**
ID: 172 – ML-Driven Stability Forecasting in Smart Grids Using Dynamic Rate–Pressure–Gradient Features – **Atmane HADJI (Mila University)**
ID: 39 – Improving Data Reliability in Underwater Named Data Networks via DL-Based Prediction and Validation – **KROBBA Lazhari (University of Laghouat)**
ID: 74 – intelligent Resource Deployment in Congested Urban Areas: Optimizing 5G Network Performance – **Zaidi Numidia (University of Setif)**
ID: 201 – UAV Path Planning Optimization Using Reinforcement Learning – **ARIF Mohammed Idris (University of Boumerdes)**
ID: 88 – Deep Learning Approach Application for Real-Time Forest Fire Control: Leveraging Drones – **BOUGUENNA IBRAHIM FAROUK (University of Mascara)**
ID: 100 – Bridging Sparse Data and Complex Patterns: A Hybrid Recommendation System with Autoencoders and GNNs – **Sara Gasmi (Badji Mokhtar University)**
ID: 32 – Real-Time Ambulance Tracking Fog-Based System – **Mohammed Nadjib OSMANI (USTO-MB)**
ID: 130 – Hybrid CNN–biLSTM Forecasting for Solar PV Power: A Comparative Study **– Nadji Hadroug (University of Djelfa)**