The First International Conference on Artificial Intelligence and Innovative Applications (AIIA'25)

Program: December 2-3

Day 01: December, 2

Time	Activity	Place
08:00-09:00	**Reception and Registration**	**Hall**
09:00-09:40	**Opening Ceremony**	**Auditorium**
09:40-10:20	**Keynote Speaker 01:** Dr. Redouane BOUCHAALA, Innovation Manager at Hub One: Telecom, traceability, cybersecurity. France. *From the Research Laboratory to the Market: Achieving Deeptech AI Valorization and Transfer Under Real Constraints*	
10:20-10:50	Coffee Break & Poster Session. Papers Ids: #34, #69, #124, #141, #144, #97, #44	**Hall**
10:50	**Session 1: Industrial Applications of AI for Intelligent Human-Machine Interaction.** **Chairs: Pr. BOULIF, Dr. SABBA**	**Auditorium**
10:50-11:10	**Paper #23:** From Voice to Action: A Secure Biometric and LLM-Powered Architecture for Intuitive Vehicle Control. **(Fatima GHERBI)**	
11:10-11:30	**Paper #96 :** Enhancing Human-Computer Interaction with a Sensor-based ASL Translator Glove Employing Machine Learning. **(Hadjira BELAIDI)**	
11:30-11:50	**Sponsor Talks (INSIM & HIST)**	
12:10-12:40	**PANEL:** AI in Algeria: Potential, Challenges, and Research-Industry Collaboration	
12:40-14:10	**Lunch**	
14:10-15:00	**Keynote Speaker 02:** Pr. Horacio SAGGION, Head of the TALN Group and LSTU Lab, Universitat Pompeu Fabra. Spain. *Making Complex Information more Understandable for Citizens: Natural Language Processing Models and Resources for Multilingual Text Simplification*	**Auditorium**

Time	Session 2A	Session 2B	Place
15:10	**Session 2A: AI in Medical and Health Applications** **Chairs: Pr. BOUGUERMOUH, Dr. TOUAZI**	**Session 2B: AI for Smart Cities and Human Interaction** **Chairs: Dr. TIBERKAK, Dr. HAMADOUCHE**	**Parallel Sessions** **Session 2A: Auditorium** **Session 2B: Cyber Room**
15:10-15:30	**Paper #155:** Stacked Deep Convolutional Neural Networks for Accurate Colorectal Cancer Classification from Endoscopic Images. **(Faiza BELLA)**	**Paper #43:** Deep Transfer Learning for Contactless Fatigue Recognition: Dataset Creation and Benchmarking. **(Rihab KACI)**	
15:30-15:50	**Paper #120:** A computer-aided diagnosis system for melanoma using constrained feature selection. **(Abderezak SALMI)**	**Paper #32:** Genius Nest: A Multimodal AI and IoT Smart Crib for Infant Safety Monitoring. **(Salah Eddine ABER)**	
15:50-16:10	**Paper #31:** Machine Learning Classification of TLR7 Ligands for Drug Discovery in Auto-immune Diseases. **(Hassen ELMIR)**	**Paper #30:** Review of Smart Aquaponics Systems for Agricultural Fertilization. **(Elarbi KACEMI)**	
16:10-16:20	**Distribution of Certificates – Day 1**		

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Day 02: December, 3

Time	Activity		Place
09:00 - 09:50	**Keynote Speaker 03 : Pr. Chafika BENZAID, Senior Research Fellow, Networks and Systems Unit, University of Oulu. Finland.** *AI-powered Zero-touch Security Management in Cloud-Native Mobile Networks*		**Auditorium**
09:50	**Session 3: AI for Cybersecurity and Trust** **Chairs: Pr. BENZAID, Dr. MESBAH**		
09:50 - 10:10	**Paper #74:** Explainable BiLSTM-MHA-Based IDS for IoT Using SHAP and Zero-Day Attack Detection. **(Afrah GUERIANI)**		
10:10 - 10:30	**Paper #38:** SAW-GCN:A Semantic Class-Aware Weighted GCN for Offensive Language Detection. **(Zineb FERHAT HAMIDA)**		
10:30 - 11:00	**Coffee Break & Poster Session. Papers Ids: #41, #58, #87, #108, #109, #133, #154**		**Hall**
11:00	**Session 4: LLMs and NLP for Societal Impact** **Chairs: Pr. SAGGION, Pr. BERRICHI**		**Auditorium**
11:00 - 11:20	**Paper #59:** Fine-Tuned BERT Model for Fraudulent Messages Detection in Algerian Dialect: A Lightweight Approach with Balanced Evaluation Metrics. **(Dhiya Eddine ABID)**		
11:20 - 11:40	**Paper #129:** Bridging the Justice Gap: An AI-Powered Approach to Algerian Legal Accessibility. **(Aicha ADDA)**		
11:40 - 12:00	**Paper #45:** Hybrid Transformer–LLM Framework with Factual Reliability Features for Fake News Detection. **(Ahlem DRIF)**		
12:00 - 13:30	**Lunch**		
13:30	**Session 5A: Emerging AI Models and Computational Techniques** **Chairs: Pr. MAOUCHE, Dr. BOUHAMED**	**Session 5B: Mixed session: Multidisciplinary AI Research** **Chairs: Dr. MOKRANI, Dr. DJOUZI**	**Parallel Sessions** **Session 5A: Auditorium** **Session 5B: Cyber Room**
13:30 - 13:50	**Paper #55:** Graph Partitioning via Genetic Algorithm: A Maximum Spanning Tree Sparsification Approach. **(Ali CHAOUCHE)**	**Paper #127:** A Cognitive Architecture for Intelligent Urban Planning. **(Miguel CÁRDENAS)**	
13:50 - 14:10	**Paper #142:** Curriculum Learning in Medical Image Analysis. **(Riadh MEGHATRIA)**	**Paper #49:** A Weighted Fusion Machine Learning Approach for Intrusion Detection in the Internet of Things. **(Sarra CHERFI)**	
14:10 - 14:30	**Paper #29:** Mamba-Face: Rethinking Facial Beauty Prediction with State Space Models. **(Mourad KEZAI)**	**Paper #54:** Contextualized Generation of Pedagogical Exercises tailored to the Algerian School Curriculum using LLMs. **(Achour ACHROUFENE)**	
14:30 - 14:50		**Paper #114:** Deep Learning-Based Short-Circuit Fault Localization in Photovoltaic-Powered Transmission Lines Using CNN and DWT. **(Mounia HENDEL)**	
14:50 - 15:00	**Distribution of Certificates – Day 2**		**Auditorium**
15:00 - 15:10	**Best Paper Award Announcement**		
15:10 - 15:30	**Closing of the Event**		