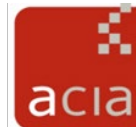




PROGRAM CCIA-2025



WEDNESDAY - 15/10

14:30-15:00	Reception and registration
15:00-15:30	Institutional opening
15:30-16:45	Session 1: Papers oral presentations – ML & RS - Case-based reasoning for attention-deficit hyperactivity disorder treatment recommendation - Marc Serrano Touil, Oscar Raya, David Ramírez, Xavier Castells, Beatriz López - Energy audits based on risk prediction and AI - Regina Enrich Sard, Bárbara Morales Díaz, Jordi Carrés, Adrià Garcia, Iu Perramon, Diego Delgado Roda, David Garcia Esteller - Towards Sustainable Tourism: A Novel Comprehensive Hierarchical Multi-Criteria Evaluation Framework for Points-of-Interest Recommendations - Monir Yahya Salmony, Antonio Moreno, Aida Valls - An information-bottleneck based approach for learning using privileged information - Jerónimo Hernández-González, Marius Vila - Reducing Storage Volume of Sensor Data Towards Sustainable Data Science Modeling - Aleix Boixader Coma, Rizkallah Touma, Karina Gibert
16:45-17:15	Coffee break
17:15-18:15	Sessió 2: Papers oral presentations – NLP - LLM-Enhanced BERTopic vs. Traditional Topic Models in tourism: Performance and Temperature Effects - Eddy Soria, Aida Valls, Antonio Moreno, Ana Beatriz Hernández - Real Time Detection of Coordinated Bots on Bluesky - Pol Rodríguez Farrés, Athina Masali, Jesus Cerquides - Automatic labelling of topics on topic modelling - Xavier Angerri Torredelot, Dario Sacco, Edgar Bosque, Karina Gibert - Evaluating Instruction-Tuned Large Language Models for Automatic Annotation of Multilingual Climate Disaster-Related Social Media Messages - Jonathan Ayebakuro Orama, Marc Juvillà Garcia, Maite Melero
18:15-20:00	ACIA annual meeting
20:00	Gralles concert
21:00	Dinner

THURSDAY - 16/10

09:00-10:00	Session 3: Papers oral presentations – Agents & KR - Educational Chatbot for Facilitating Collaborative Activities: A Hybrid LLM and Planner-Based Approach - Laia Font, Inma Rodriguez, Pau Soler, Anna Puig - Capturing Player Influence in Football Matches - Nil Agell Llusà, Jordi Nin - Listen, Adjust, Act: Adding Communication to Pre-trained Agents via Goal Adjustments - Oriol Miró, Adrian Tormos, Victor Gimenez Abalos - Automated ethical design of multi-agent reinforcement learning environments - Arnau Mayoral-Macau, Manel Rodriguez-Soto, Enrico Marchesini, Maite Lopez-Sanchez, Martí Sánchez, Alessandro Farinelli, Juan Antonio Rodriguez-Aguilar
10:00-10:45	Poster session 1: Short presentations

	- Efficient Lung Cancer Classification Using Region-of-Interest-Based Deep Learning - Thamer Alsuhbani, Hatem A. Rashwan, Miguel Angel Garcia, Shaima ahmed, Domenec Puig - Reconeixement de patrons invariant per transformacions. Una aproximació basada en la matriu de dissimilaritat. - Dionis Boixader Ibañez - Recommender Score Rewiring: An Intervention Strategy to Enhance Beyond-Accuracy Metrics - Àlex Martínez Martínez, Jordi Vitria, Francesco Bonchi - Leveraging Swarm Learning for Edge-Cloud Optimisation - Xavier Samos, Rizkallah Touma - An improved YOLO11 model for accurate cotton growth-stage detection in greenhouse environments - Guillem González Valdivia, Sergi Foix, Guillem Alenyà - Optimization of Smart Communities based on Artificial Intelligence - Bárbara Morales Díaz, Alex Pujol, Regina Enrich Sard, Jose Maria Santos-Herrero, Juan Trullós - Attention-Based MIL for Medical Malpractice Prediction - Arnau Bueno Tricas, Jose A. Rodríguez Serrano, Jenn Nguyen - Cognition, Geometry, and Transformer Architectures: An Embodied Perspective on Diagram Understandability - Laura López-Zambrano, Marco Schorlemmer - Un estudi sobre el Modus Tollens basat en uninormes discretes - Pilar Fuster-Parra - ROI-based Hierarchical Lung Disease Classification with Interpretability - Antonio Nadal Martínez, Marc Munar, Manuel González-Hidalgo, Lidia Talavera-Martínez - Hate Speech and Emojis: the journalist case - David Larrosa-Camps, Jaume Suau, Xavier Vilasís-Cardona
10:45-11:30	Coffee break + Poster session 1
11:30-12:45	Session 4: Papers oral presentations – Logics & Uncertainty - Continuous Perceptual Maps for Interpreting Linguistic Ratings via Sentiment Analysis - Walaa Abuasaker, Jenn Nguyen, Nuria Agell, Francisco Javier Ruiz, Mónica Sánchez - Solving MinSAT with Graph Neural Networks - Daniel Gibert, Felip Manyà, Joan Ramon Soler, Elifnaz Yangin - Efficient Computation of Short Sample-Based Explanations - Jairo Lefebvre, Joao Marques-Silva, Maria Vanina Martinez - Constructing Fuzzy Linguistic Variables using Crisp Decision Trees. An application to Diabetic Retinopathy - Amal Esmail, Jordi Pascual-Fontanilles, Eugeni Garcia, Aida Valls, Marc Baget, Pedro Romero-Aroca - Towards Efficient Spark-Enabled Computation of Shapley Values - Joao Marques-Silva, Ramòn Béjar, Jordi Planes
12:45-13:10	DonesIAcat session
13:10-15:00	Lunch
15:00-16:00	<i>Invited Talk: Dr. Magí Lluch – Session sponsored by T-Systems</i>
16:00-16:45	Round table: implementing AI solutions in industry – Co-organized with Xarxa RDI-IA
16:45-17:30	Coffee break + Industry Networking
18:00	Social event: visit to Valls and the Museu Casteller of Catalunya
21:00	Gala dinner

FRIDAY - 17/10

09:00-10:00	<i>Invited talk: Dr. Susana Montes</i>
10:00-10:45	Poster session 2: Short presentations - Decoding Cheese Ripening: A Deep Learning Approach to Non-Invasive Monitoring - Daniel Pardo, Mehmet Oguz Mulayim, Manuel Castillo - Assessing the Feasibility of Predicting Social Network Users' Behavior Using Linguistic and Social Cues - Stephanie Anneris Malvicini, Nina Pardal, Laura Alonso Alemany, Maria Vanina Martinez, Gerardo Ignacio Simari - Exploring Odor-Color Associations in Gastronomy: A Multisensory Analysis of Ingredient Scents and Dish Colors - Vicente Casales-Garcia, Aldan Jochino Jay Cuervo, Ismael Sanz, Lledó Museros - A Novel Framework for Forecasting Root-Zone Soil Moisture and Optimizing Irrigation Strategies Using the AI4WATER Digital Twin - Hong Wang, Adriano Camps - Explainable artificial intelligence for categorizing art genres - Juan Manuel Sánchez, Vicent Costa - DiMa: Automatic Russian Discourse Marker Detector - Maria Olshanetska, Joan Castellví - Physics informed Neural Networks for a gasification reactor - Aleix Fornieles Espinel, Maddi Etxegarai Aldamiz-Etxebarria, Daniel Gibert, Jordi Planes - Artificial Intelligence for Autism Spectrum Disorder Diagnosis: Algorithms, Data, and Technical Challenges - Jordi Rodeiro, Mariona Perez Anton, Beatriz Olaya, Maria Elena Huerta-Ramos, Elisabet Golobardes - Continuous Object Orientation estimation of Cotton Crops using Deep Convolutional Neural Networks - Antonio Martinez Fernandez, Sergi Foix - Urban scene removal and completion - Ignasi Mas Mendez, Josep Brugués i Pujolràs, Sergi Mercadé Laborda, Josep Escrig, Ivan Huerta - Automatic Crowd Counting on the Beaches of the Balearic Islands Using Convolutional Neural Networks - Juan Francisco Sánchez, Pedro Bibiloni, Antoni Oliver
10:45-11:30	Coffee break + Poster session 2
11:30-12:30	Session 5: Papers oral presentations – Artificial Vision - Agrixel. AI-based service standard for agricultural data in agri-food use cases - Joan van Eeckhout, Miona Dimic, Cecilio Angulo - Exploring Emotion Prediction from Visual Textures in Abstract Art - Dolores Llidó, Lledó Museros, Ismael Sanz, Rafael Berlanga - Towards Domain Shift Mitigation in Mammogram Classification - Mariam Hassan, Mohamed Ragab, Mohamed Abdel-Nasser, Domenec Puig - Annotation-Efficient Crack Segmentation in Full Scene Images via Bounding Box-Guided Feature Modulation - Ammar M. Okran, Hatem A. Rashwan, Saddam Abdulwahab, Sylvie Chambon, Domenec Puig
12:30-13:30	ACIA award ceremony and Closing
13:30-15:30	Lunch – Calçotada
15:30	End of the congress

