



PROGRAM CCIA-2025



WEDNESDAY - 15/10

14:30-15:00	Reception and registration
15:00-15:30	Institutional opening - Tourism City Councillor of Valls: Sr. Joan Ibarra - General Chairs: Dr. Isabel Aguiló and Dr. Juan Vicente Riera - Local Organization Chair: Dr. Jordi Pascual - Program Chair: Dr. Karla Trejo - President of ACIA: Dr. Cecilio Angulo - Director of URV ITAKA Research Group: Dr. Aïda Valls
15:30-16:30	Session 1: <i>Dolors Vives</i> Oral presentations – Machine Learning & Recommender Systems Chairman: Josep Escrig  • Energy audits based on risk prediction and AI - Regina Enrich, Bárbara Morales Díaz, Jordi Carrés, Adrià García, Iu Perramon, Diego Delgado, David García • Towards Sustainable Tourism: A Novel Comprehensive Hierarchical Multi-Criteria Evaluation Framework for Points-of-Interest Recommendations - Monir Y Salmony, Antonio Moreno, Aida Valls • Capturing Player Influence in Football Matches - Nil Agell Llusà, Jordi Nin • Reducing Storage Volume of Sensor Data Towards Sustainable Data Science Modeling - Aleix Boixader, Rizkallah Touma, Karina Gibert
16:30-17:00	Coffee break
17:00-18:00	Session 2: <i>Narcís Oller</i> Oral presentations – Natural Language Processing Chairman: Francisco Grimaldo  • LLM-Enhanced BERTopic vs. Traditional Topic Models in tourism: Performance and Temperature Effects - Eddy Soria, Aida Valls, Antonio Moreno, Ana B Hernández • Real Time Detection of Coordinated Bots on Bluesky - Pol Rodríguez, Athina Masali, Jesus Cerquides • Automatic labelling of topics on topic modelling - Xavier Angerri, 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, Maite Melero
18:00-20:00	ACIA annual assembly (only for society members)
20:00-21:00	Gralles concert – AMTP El Tecler 
21:00	Dinner at Fèlix Hotel

THURSDAY - 16/10

09:00-10:00	Session 3: <i>Pere Anton Veciana</i> Oral presentations – Agents & Knowledge Representation Chairman: Cecilio Angulo  • Educational Chatbot for Facilitating Collaborative Activities: A Hybrid LLM and Planner-Based Approach - Laia Font, Inma Rodriguez, Pau Soler, Anna Puig • An information-bottleneck based approach for learning using privileged information - Jerónimo Hernández-González, Marius Vila • Listen, Adjust, Act: Adding Communication to Pre-trained Agents via Goal Adjustments - Oriol Miró, Adrian Tormos, Victor Gimenez • 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: <i>Cèsar Martinell</i> Short presentations Chairwoman: Lledó Museros  • Efficient Lung Cancer Classification Using Region-of-Interest-Based Deep Learning - Thamer Alsuhbani, Hatem A. Rashwan, Miguel A. Garcia, Shaima Ahmed, Domènec Puig • 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, Sergi Foix, Guillem Alenyà • Optimization of Smart Communities based on Artificial Intelligence - Bárbara Morales, Alex Pujol, Regina Enrich, Jose Maria Santos-Herrero, Juan Trullós • Attention-Based MIL for Medical Malpractice Prediction - Arnau Bueno, Jose A. Rodríguez, 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
10:45-11:30	Coffee break + Poster session 1
11:30-12:45	Session 4: <i>Maria Murtra</i> Oral presentations – Logics & Uncertainty Chairman: Juan Vicente Riera  • Continuous Perceptual Maps for Interpreting Linguistic Ratings via Sentiment Analysis - Walaa Abuasaker, Jenn Nguyen, Nuria Agell, Francisco J. Ruiz, Mónica Sánchez

	- Solving MinSAT with Graph Neural Networks - Daniel Gibert, Felip Manyà, Joan Ramon, Elifnaz Yangin - Efficient Computation of Short Sample-Based Explanations - Jairo Lefebre, 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	DoneslAcat session – Karina Gibert
13:10-15:00	Lunch at Fèlix Hotel
15:00-16:00	Invited Talk: Dr. Magí Lluch Fostering AI from the European Institute of Innovation and Technology Chairman: Antonio Moreno Session sponsored by T-Systems
16:00-16:45	Round table: Implementing AI solutions in industry Chairwoman: Núria Agell Panelists: Francisco Cruz (Brainful Labs, ConfDNA), Beatriz López (Newronia), Ramon Parreu (Càtedra Cloud Computing URV T-Systems, Víctor Rotellar (Xarxa RDI-IA) Co-organized with: <i>Xarxa RDI-IA</i> With collaboration of: <i>Cambra de Comerç de Valls</i>
16:45-17:20	Coffee break + Industry Networking with companies participating in afternoon session
17:30	Social event: visit to Valls and the Museu Casteller of Catalunya (with bus service, departure 17:30)
21:00	Gala dinner at Masia del Pla restaurant (with bus service)

T Systems

Kellogg's



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We are bakers



Departament d'Enginyeria
Informàtica i Matemàtiques
Fundació URV
Grup de Recerca en Tecnologies
Intel·ligents per a la Gestió
Avançada del Coneixement (ITAKA)

FRIDAY - 17/10

09:00-10:00	Invited talk: Dr. Susana Montes Interval Data Fusion: Exploring Averaging Methods and Order Structures Chairwoman: Isabel Aguiló
10:00-10:45	Poster session 2: Jaume Huguet Short presentations Chairman: Vicent Costa  - 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, 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, Beatriz Olaya, Maria Elena Huerta, 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: Pere Català Pic Oral presentations – Artificial Vision Chairwoman: Inma Rodríguez  - 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, Domènec Puig - Annotation-Efficient Crack Segmentation in Full Scene Images via Bounding Box-Guided Feature Modulation - Ammar Okran, Hatem Rashwan, Saddam Abdulwahab, Sylvie Chambon, Domènec Puig
12:30-13:30	ACIA award ceremony and Closing
13:30-15:30	Lunch – Calçotada at Fèlix Hotel
15:30	End of the congress