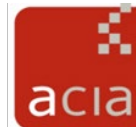




# PROGRAMA CCIA-2025



## DIMECRES - 15/10

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| 14:30-15:00 | Recepció i registre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 15:00-15:30 | Inauguració institucional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 15:30-16:45 | <b>Sessió 1: Presentacions orals articles – ML &amp; RS</b> <ul style="list-style-type: none"><li>Case-based reasoning for attention-deficit hyperactivity disorder treatment recommendation - Marc Serrano Touil, Oscar Raya, David Ramírez, Xavier Castells, Beatriz López</li><li>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</li><li>Towards Sustainable Tourism: A Novel Comprehensive Hierarchical Multi-Criteria Evaluation Framework for Points-of-Interest Recommendations - Monir Yahya Salmony, Antonio Moreno, Aida Valls</li><li>An information-bottleneck based approach for learning using privileged information - Jerónimo Hernández-González, Marius Vila</li><li>Reducing Storage Volume of Sensor Data Towards Sustainable Data Science Modeling - Aleix Boixader Coma, Rizkallah Touma, Karina Gibert</li></ul> |
| 16:45-17:15 | Pausa cafè                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 17:15-18:15 | <b>Sessió 2: Presentacions orals articles – NLP</b> <ul style="list-style-type: none"><li>LLM-Enhanced BERTopic vs. Traditional Topic Models in tourism: Performance and Temperature Effects - Eddy Soria, Aida Valls, Antonio Moreno, Ana Beatriz Hernández</li><li>Real Time Detection of Coordinated Bots on Bluesky - Pol Rodríguez Farrés, Athina Masali, Jesus Cerquides</li><li>Automatic labelling of topics on topic modelling - Xavier Angerri Torredelot, Dario Sacco, Edgar Bosque, Karina Gibert</li><li>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</li></ul>                                                                                                                                                                                                                              |
| 18:15-20:00 | Assemblea anual de l'ACIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 20:00       | Concert de gralles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 21:00       | Sopar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## DIJOUS - 16/10

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| 09:00-10:00 | <b>Sessió 3: Presentacions orals articles – Agents &amp; KR</b> <ul style="list-style-type: none"><li>Educational Chatbot for Facilitating Collaborative Activities: A Hybrid LLM and Planner-Based Approach - Laia Font, Inma Rodriguez, Pau Soler, Anna Puig</li><li>Capturing Player Influence in Football Matches - Nil Agell Llusà, Jordi Nin</li><li>Listen, Adjust, Act: Adding Communication to Pre-trained Agents via Goal Adjustments - Oriol Miró, Adrian Tormos, Victor Gimenez Abalos</li><li>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</li></ul> |
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| 10:00-10:45 | <b>Sessió Pòsters 1: Presentacions curtes</b> <ul style="list-style-type: none"> <li>• Efficient Lung Cancer Classification Using Region-of-Interest-Based Deep Learning - Thamer Alsuhbani, Hatem A. Rashwan, Miguel Angel Garcia, Shaima ahmed, Domenec Puig</li> <li>• Reconeixement de patrons invariant per transformacions. Una aproximació basada en la matriu de dissimilaritat. - Dionis Boixader Ibañez</li> <li>• Recommender Score Rewiring: An Intervention Strategy to Enhance Beyond-Accuracy Metrics - Àlex Martínez Martínez, Jordi Vitria, Francesco Bonchi</li> <li>• Leveraging Swarm Learning for Edge-Cloud Optimisation - Xavier Samos, Rizkallah Touma</li> <li>• An improved YOLO11 model for accurate cotton growth-stage detection in greenhouse environments - Guillem González Valdivia, Sergi Foix, Guillem Alenyà</li> <li>• Optimization of Smart Communities based on Artificial Intelligence - Bárbara Morales Díaz, Alex Pujol, Regina Enrich Sard, Jose Maria Santos-Herrero, Juan Trullós</li> <li>• Attention-Based MIL for Medical Malpractice Prediction - Arnau Bueno Tricas, Jose A. Rodríguez Serrano, Jenn Nguyen</li> <li>• Cognition, Geometry, and Transformer Architectures: An Embodied Perspective on Diagram Understandability - Laura López-Zambrano, Marco Schorlemmer</li> <li>• Un estudi sobre el Modus Tollens basat en uninormes discretes - Pilar Fuster-Parra</li> <li>• ROI-based Hierarchical Lung Disease Classification with Interpretability - Antonio Nadal Martínez, Marc Munar, Manuel González-Hidalgo, Lidia Talavera-Martínez</li> <li>• Hate Speech and Emojis: the journalist case - David Larrosa-Camps, Jaume Suau, Xavier Vilasís-Cardona</li> </ul> |
| 10:45-11:30 | Pausa cafè + Sessió Pòsters 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 11:30-12:45 | <b>Sessió 4: Presentacions orals articles – Logics &amp; Uncertainty</b> <ul style="list-style-type: none"> <li>• Continuous Perceptual Maps for Interpreting Linguistic Ratings via Sentiment Analysis - Walaa Abuasaker, Jenn Nguyen, Nuria Agell, Francisco Javier Ruiz, Mónica Sánchez</li> <li>• Solving MinSAT with Graph Neural Networks - Daniel Gibert, Felip Manyà, Joan Ramon Soler, Elifnaz Yangin</li> <li>• Efficient Computation of Short Sample-Based Explanations - Jairo Lefebvre, Joao Marques-Silva, Maria Vanina Martinez</li> <li>• 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</li> <li>• Towards Efficient Spark-Enabled Computation of Shapley Values - Joao Marques-Silva, Ramòn Béjar, Jordi Planes</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 12:45-13:10 | Sessió DonesIAcat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 13:10-15:00 | Dinar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 15:00-16:00 | <i>Conferència convidada: Dr. Magí Lluch – Sessió patrocinada per T-Systems</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 16:00-16:45 | Taula rodona: implementació de solucions IA a les empreses – Co-organitzat amb la Xarxa RDI-IA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 16:45-17:30 | Pausa cafè + Networking empreses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 18:00       | Acte social: visita a Valls i Museu Casteller de Catalunya                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 21:00       | Sopar de gala                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## DIVENDRES - 17/10

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| 09:00-10:00 | <i>Conferència convidada: Dra. Susana Montes</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10:00-10:45 | <b>Sessió de Pòsters 2: Presentacions curtes</b> <ul style="list-style-type: none"> <li>Decoding Cheese Ripening: A Deep Learning Approach to Non-Invasive Monitoring - Daniel Pardo, Mehmet Oguz Mulayim, Manuel Castillo</li> <li>Assessing the Feasibility of Predicting Social Network Users' Behavior Using Linguistic and Social Cues - Stephanie Anneris Malvicini, Nina Parda, Laura Alonso Alemany, Maria Vanina Martinez, Gerardo Ignacio Simari</li> <li>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</li> <li>A Novel Framework for Forecasting Root-Zone Soil Moisture and Optimizing Irrigation Strategies Using the AI4WATER Digital Twin - Hong Wang, Adriano Camps</li> <li>Explainable artificial intelligence for categorizing art genres - Juan Manuel Sánchez, Vicent Costa</li> <li>DiMa: Automatic Russian Discourse Marker Detector - Maria Olshanetska, Joan Castellví</li> <li>Physics informed Neural Networks for a gasification reactor - Aleix Fornieles Espinel, Maddi Etxegarai Aldamiz-Etxebarria, Daniel Gibert, Jordi Planes</li> <li>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</li> <li>Continuous Object Orientation estimation of Cotton Crops using Deep Convolutional Neural Networks - Antonio Martinez Fernandez, Sergi Foix</li> <li>Urban scene removal and completion - Ignasi Mas Mendez, Josep Brugués i Pujolràs, Sergi Mercadé Laborda, Josep Escrig, Ivan Huerta</li> <li>Automatic Crowd Counting on the Beaches of the Balearic Islands Using Convolutional Neural Networks - Juan Francisco Sánchez, Pedro Bibiloni, Antoni Oliver</li> </ul> |
| 10:45-11:30 | Pausa cafè + Sessió Pòsters 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 11:30-12:30 | <b>Sessió 5: Presentacions orals articles – Artificial Vision</b> <ul style="list-style-type: none"> <li>Agrixel. AI-based service standard for agricultural data in agri-food use cases - Joan van Eeckhout, Miona Dimic, Cecilio Angulo</li> <li>Exploring Emotion Prediction from Visual Textures in Abstract Art - Dolores Llidó, Lledó Museros, Ismael Sanz, Rafael Berlanga</li> <li>Towards Domain Shift Mitigation in Mammogram Classification - Mariam Hassan, Mohamed Ragab, Mohamed Abdel-Nasser, Domenec Puig</li> <li>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</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 12:30-13:30 | Lliurament de premis ACIA i Cloenda                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 13:30-15:30 | Dinar – calçotada                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15:30       | Fi del congrés                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

