



CCIA 2024



	Dimecres 2	Dijous 3	Divendres 4
9:00		Bloc Papers 3 (4)	Apunts sobre història de la IA
9:30			
10:00		Bloc Short Papers (10)	Bloc Papers 6 (4)
10:30			
11:00		Coffee Break - Poster Session	Coffee Break
11:30			
12:00		Conferència Leila Amgoud - Computational Argumentation: Foundations and Applications	Bloc Papers 7 (4)
12:30			Premi Marc Esteva Vivanco
13:00		Bloc Papers 4 (3)	Entrega de Premis i Clausura
13:30			
14:00	Registration	Dinar	
14:30			
15:00	Apertura i Benvinguda	Bloc Short Papers (10)	
15:30	Bloc Papers 1 (4)		
16:00	Coffee Break	Poster Session - Coffee Break	
16:30			
17:00	Bloc Papers 2 (4)	Bloc Papers 5 (3)	
17:30			
18:00			
18:30	Conferència J.L Micó - Artificialitis	Event Academia + Industry: Riding the AI Vibe - Cisterna Rei Martí	
19:00			
19:30	Assamblea ACIA		
20:00			
20:30			
21:00		Sopar	
21:30			
22:00			

Long Papers			
Bloc 1	Chair : Cecilio Angulo	Unsupervised Pairwise Causal Discovery on Heterogeneous Data using Mutual Information Measures	Alexandre Trilla;Nenad Mijatovic
		SynthRetina: Revolutionizing Fundus Image Analysis through Synthetic Data Enhancement	Najwa Sharaf Aldeen;Hatem A. Rashwan;Saddam Abdulwahab;Domènec Puig
		Optimizing Energy Consumption of Kubernetes Clusters with Deep Reinforcement Learning	Alejandro Espinosa;Daniel Ulied;Josep Escrig;Adriana Fernández-Fernández;Rizkallah Touma
		Predictive Maintenance in the Food Industry: A Case Study Using Vibration Sensors and Machine Learning Techniques	Francisco Fernández-Peláez
Bloc 2	Chair : Lledó Museros	Characterization of Synthetic Lung Nodules in Conditional Latent Diffusion of Thoracic CT Scans	Roger Mari Molas;Carla Pitarch Abaigar;Mar Galofré Cardo;Paula Subias Beltrán;Rafael Redondo Tejedor
		Impact of Maternal Nutrition on Neonatal Birthweight: A Machine Learning Study	Muhammad Mursil;Hatem A. Rashwan;Luis SANTOS-CALDERON;Michelle Murphy;Domènec Puig
		Generative Models for Data Augmentation on Inertial Measurement Units Data Classification	Blanca Llauradó;José Fernando Núñez;Axel Romero;Jamie Arjona;Javier Bejar Alonso;Jorge A. Gómez-García;Diego Torricelli
		A tool for reading evaluation in Arithmetic Word Problems	Elena Alvarez Garcia;Daniel Garcia Costa;Sandra Paniagua;Maria Teresa Sanz;María Santagueda;Pablo Mocholi;Emilia Lopez Iñesta;Francisco Grimaldo
Bloc 3	Chair : TBD	Checking Robustness of Neural Network Models for the Classification of Malware	Jordi Planes;Ramón Béjar;Josep Argelich;António Morgado;Teresa Alsinet
		Multiclass lesion detection using longitudinal MRI in multiple sclerosis	Ander Elkoroaristizabal;Francesc Vivó;Alberto Calvi;Elisabet Solana;Elisabet Lopez-Soley;Salut Alba-Arbalat;Marcos Diaz Hurtado;Baris Kanber;Jordi Casas-Roma;Sara Lufriu;Ferran Prados;Eloy Martinez-de-Las-Heras
		Open Source Cardiac Digital Twinning of Human Ventricular Repolarisation from 12-lead ECG and MRI	Julià Camps
		Pushing the boundaries of Natural Language Processing (NLP): Enhancing Catalan Text Transcription through Large-Scale Models in the educational field	Sergí Ramirez Mitjans;Huilin Ni;Jofre Mosegu;Javier Puerta;Marcel Vera;Karina Gibert
Bloc 4	Chair : Francisco Grimaldo	On Modus Ponens in discrete Implication derived from discrete Uninorms	Isabel Maria Aguiló Pons;Pilar Fuster-Parra;Juan Vicente Riera
		On the use of Modular Quasi-Metrics and Possibility Theory for Heterogeneous Multi-Robot Systems	José Guerrero;Gabriel Jaume-Martin;Maria-del-Mar Bibiloni Femenias;Oscar Valero;Javier Antich Tobaruela
		Decision Support System for the Diagnosis of Chronic Wounds Using Artificial Intelligence Algorithms on Images	Lorena Casanova Lozano;David Reifs Jiménez;Ramon Reig Bolaño;Sergí Grau Carrión
Bloc 5	Chair : Beatriz López	MVSBoost: An Efficient Point Cloud-based 3D Reconstruction	Umair Haroon;Ahmad AlMughrabi;Ricardo Marques;Petia Radeva
		From Clustering to Intelligent Decision Support System: An Application to 3D Printing	Ashutosh Karna;Karina Gibert
		Comparative Analysis of Electricity Demand Forecasting at Substation Level	Alex Segura Soler;Jérémy Lancereau;Joaquim Melendez;Carolina Madeira
Bloc 6	Chair : Núria Agell	DemetriA: artificial intelligence and ethics for the voice cloning of grandfather Demetrio	Jesús Vaquerizo-Serrano;Marc Arnela
		The DeuteroNoise Dataset: An Initial Exploration of an Underwater Vessel Sound Dataset Within the Framework of a JPI-Oceans Project	Ignasi Nou-Plana;Marc Freixes;Jesús Vaquerizo-Serrano;Marc Arnela;Cristian Cañestro;Eva R. Quintana;Adrian Teaca;Marios Chatzigeorgiou;Ristoratore Filomena;Giovanni Zambon;Lucia Manni;Rosa Ma Alsina-Pagès
		Polyp re-identification system for video capsule endoscopy studies	Pablo Laiz Treceño;Hagen Wenzek
Bloc 7	Chair : Vicent Costa	Intelligent assistant for multivariate analysis	Xavier Angerri Torredelfot;Oscar Delgado;Karina Gibert
		A Complete Tableau Calculus for Non-Clausal Regular MinSAT	Jordi Coll;Chu Min Li;Felip Manyà;Elifmaz Yangin
		Fuzzy logic-based variable encoding for improved diabetic retinopathy prediction	Jordi Pascual-Fontanilles;Aida Valls;Antonio Moreno;Pedro Romero-Aroca
		Cross-Domain Linkage for the Music Industry: an industry case and a synthetic benchmark.	Martí Sánchez;Donghao Zhang;Emilio Molina;Aglaia Eli Galata;Gonçal Calvo;Denis Guilhot
		A fuzzy framework for unraveling experiential tourism value	Eddy Soria;Aida Valls;Jorge Luis Mariño;Ana Beatriz Hernández

Short Papers			
Bloc 1	Chair : Elena Álvarez	Enhancing Seawater Reverse Osmosis Desalination Efficiency using Digital Twins and Machine Learning	Aissam Daaboub;Lluís Echeverría Rovira;Edgar Rubion Soler
		Detection of epileptic seizures with EEG sequential patterns	Cristina Montserrat;Jonah Fernandez;Bianca Innocenti;Beatriz López
		Landmark Anything: Multi-view Consensus Convolutional Networks Applied to the 3D Landmarking of Anatomical Structures	Álvaro Heredia-Lidón;Christian García-Mascarell;Luis Miguel Echeverry-Quiceno;Daniel Herrera-Escartin;Juan Fortea;Edith Pomarol-Clotet;Mar Fatjó-Vilas;Neus Martínez-Abadías;Xavier Sevillano
		Learning Brain-Storming with Multiagent Multi-Armed Bandits	Alejandra López de Aberasturi Gómez;Jordi Sabater Mir;Carles Sierra
		Automatic Catalan keyword spotting database generator	Alex Sanchez Casals;Sergio Montoya;Josep Escrig;Ivan Huerta
		Floating to Fixed-Point Conversion of Deep Neural Networks with Guaranteed Error Bounds	Cristina Montserrat;Jonah Fernandez;Bianca Innocenti;Beatriz López
		The use of GPT and social media for operations management. Application in hospitality smart services	Didier Grimaldi;Ester Ariza;Johan Giraldo;Mateo Valdes
		Speech synthesis of Valencian using a conditional variational autoencoder with adversarial learning	Joan Aragó;Marc Freixes
		Towards Explainable Cuisine Prediction for Recipes with Image Color Analysis	Vicente Casales-García;Ismael Sanz;Lledó Museros;Luis Gonzalez-Abril
		Negotiating Control: A Neurosymbolic Variable Autonomy Approach	Georgios Bakirtzis;Manolis Chiou;Andreas Theodorou
Bloc 2	Chair : Daniel García	Neurosymbolic AI for studying the quality of life's dimensions of people with intellectual disability	Vicent Costa;Pilar Dellunde;DIEGO FRAILE FRAILE PARRA
		Open Source Video Annotation Tool for Underwater Scenes (UVAT) (short paper submission)	Josep Sánchez;Jose-Luis Lisani
		Unsupervised deep learning architectures for anomaly detection in brain MRI scans	Jordi Malé;Victor Xirau Guardans;Juan Fortea;Yann Heuzé;Neus Martínez-Abadías;Xavier Sevillano
		LLM Reasoner and Automated Planner: A new NPC approach	Israel Puerta;Jordi Sabater Mir
		Global Source Features for Speech Under Stress Classification	Luis Joglar-Ongay;Francisco Alias-Pujol
		Optimization of vineyard task planning: Constraint programming based tool with customizable domain	Alex Pujol;Raimon Fabregat;Josep Pijuan;Marta Otero;Fernando Alves;Montse Torres;Antonio Dente
		Preliminary Study for Improving Low/High Voltage Ride-Through Procedures in Distributed Generation Systems by Reinforcement Learning	Mohana Fathollahi;Antonio Camacho Santiago;Cecilio Angulo;Manel Velasco;Pau Martí;Jerrad Hampton
		Optimizing Machine Translation Models: Practical Strategies with OpenNMT	Jessie Martín;Xavier Vilasis-Cardona
A Multi-Armed Bandit Approach Using Implicit Hitting Sets for Weighted CSPs	Aleksandra Petrova;Javier Larrosa;Emma Rollon		