15th - WEDNESDAY	16th - THRUSDAY					17th - FRIDAY				
		Sala Menor	**Aula 2.4**	**Aula 2.5**	**Aula 2.6**		**Sala Menor**	**Aula 2.4**	**Aula 2.5**	**Aula 2.6**
CONFERENCE ATTENDEES WILL HAVE ACCESS TO THE STARTUP OLE	9:00	**REGISTRATION (Open all day)** Hospedería Fonseca				9:00	**REGISTRATION (Open all day)** Hospedería Fonseca			
	09:00 - 10:30	H6	H7	S1	S3	09:00 - 11:00	C3	H4	S8	
	10:30 - 11:00	COFFEE BREAK (Coffee Shop Hospedería Fonseca)								
	11:00 - 12:30	**STARTUP OLE OPENING** Palacio de Congresos Room: Sala Menor				11:00 - 11:30	COFFEE BREAK (Coffee Shop Hospedería Fonseca)			
						11:30 - 12:30	PLENARY TALK - Prof. Ajith Abraham (SALA MENOR)			
	12:30 - 14:00	H1	H3	S5	S9	12:30 - 14:00	C4	H2	S7	I1
	14:00 - 15:30	NETWORKING COCKTAIL - LUNCH (CLAUSTRO COLEGIO FONSECA)				14:00 - 15:30	NETWORKING COCKTAIL - LUNCH (CLAUSTRO COLEGIO FONSECA)			
	15:30 - 17:30	C1	H5	S2	S4	15:30 - 17:30	H9	H10	S10	
17:00 - 19:00 **REGISTRATION** Hospedería Fonseca	17:30 - 18:00	OPENING HAIS-SOCO-CISIS-ICEUTE (SALA MENOR)								
	18:00 -18:30	COFFEE BREAK (Coffee Shop Hospedería Fonseca)								
	18:30 - 19:30	PLENARY TALK - Prof. Sung-Bae Cho (SALA MENOR)								
19:00 Guided visit to Salamanca city center Meeting point: Hospedería Fonseca	19:30 - 20:30	C2	H8	S6						
21:15 **STARTUP OLÉ PARTY Cocktail and concert (CONGRESS PARTICIPANTS INVITED) (CLAUSTRO COLEGIO FONSECA)**	21:00	**COCKTAIL & CONCERT** (CLAUSTRO COLEGIO FONSECA)				21:30	GALA DINNER Lilicook Vermuteria Plaza Sexmeros, 7, 37001 Salamanca			

ID	TITLE	AUHTORS
	HAIS 2025	
	H1 - Agricultural and Environmental Monitoring	
3627	Comparative Analysis of Cattle Behavior Across Intensive Dairy Farms through Dimensional Reduction Techniques	Manuel Rubiños, Álvaro Michelena, Agustín García-Fischer, Anabel Díaz-Labrador, Gonzalo Xoel Otero-González and José-Luis Casteleiro-Roca
7107	Environmental Sound Recognition for Human-Robot Interaction in Social Robots	Irene González Fernández, David Sobrín-Hidalgo, Juan Diego Peña Narváez, Francisco J Rodríguez Lera, Camino Fernández Llamas and Francisco Martín Rico
7288	A new Transformer-based hybrid model to forecast olive fruit fly using multimodal data	A. M. Chacón-Maldonado, N. Van der Looven, G. Asencio-Cortés and A. Troncoso
7965	Infrared Driver Monitoring Systems - A Review, New Opportunities and Trends	Bogusław Cyganek and Mateusz Knapik
9012	Ambient Intelligence Integration in Vocational Education: Evaluating Smart Learning Environments for Digital Skills Development	Patricia Costa and Dalila Duraes
9303	Zero-shot and Few-shot Learning with Vision-Language Models for post-disaster Structural Damage Assessment	Oriol Chacón-Albero, Jaume Jordán, Vicent Botti and Vicente Julian
	H2 - Biomedical Applications	
0023	Analyzing the Impact of Data Augmentation on Tumor Detection and Classification in Mammograms	Madalina Dicu, Enol García González, Camelia Chira and José Ramón Villar
5865	An Enhanced Hybrid Machine Learning Model for Plant Disease Detection and Classification	Mara Macelaru, Petrica C. Pop, Rares Chiuzbaian and Norbert Kovacs
6864	Interpretable ML for Stress Detection from Vital Signs Using SHAP	Samson Mihirette, Enrique Antonio De Lacal Martin and Qing Tan
7762	Learning from Normal Brain Activity for Automatic Detection of Photoparoxysmal Responses as Electroencephalographic Anomalies	Fernando Moncada Martins, Víctor M. Gonzalez, José R. Villar, María Antonia Gutiérrez, Pablo Calvo Calleja, Sara Urdiales Sánchez, Ricardo Díaz Pérez and Alinne Dalla-Porta Acosta
8078	Subsymbolic and Symbolic Pipeline for an Explainable EEG Authentication System	Marcos Rodriguez-Vega and Pino Caballero-Gil
	H3 - Cybersecurity and Network Protection	
1959	Analyzing DoS Attacks on CoAP Networks Using Low-Dimensional Latent Representations	Álvaro Michelena, José Aveleira Mata, Marta-María Álvarez-Crespo, Emilio Lima-Bullones, Agustín García-Fischer, Carmen Benavides and Jose Luis Calvo-Rolle
3570	An Approach to Anomaly Detection with Dynamic Threshold Definition for Real-World Environments	Gabriel Marques Marques, Maynara Donato de Souza, Flávio Arthur Oliveira Santos, Cleber Zanchettin and Paulo Novais
6923	Loss Functions for Time Series Forecasting in Network Security Situation Awareness	Richard Staňa, Pavol Sokol and Jakub Nižník
8069	A Hybrid Feature Selection Approach Using Filter-Wrapped Evaluation (FWE) for Attack Detection in SDN	Chin Jia Wen, Tan Saw Chin
8878	RAG embeddings storage optimization through quantization and dimensionality	Naamán Huerga-Pérez, Rubén Álvarez, Álvaro Sánchez-Fernández and Javier Díez-González
8941	Exploratory Visualization of IoT Attacks on the NF-CSE-CIC-IDS2018 dataset	Álvaro Francisco Villar Val, Diego Granados Lopez, Ángel Arroyo and Álvaro Herrero
	H4 - Data Mining and Decision Support Systems	
0293	A Microservice System Architecture for Receiving ETL System Patterns	Rui Monteiro, Bruno Oliveira and Orlando Belo
0381	A Novel General Hybrid System for Data Feature Selection	Dragan Simić, Zorana Banković, José R. Villar, José Luis Calvo-Rolle, Svetislav D. Simić and Svetlana Simić
0589	Profiling Public Instagram Accounts with a Multimodal Vector for Hate Exposure	Asier Gonzalez-Santocildes, Iker Pastor Lopez, Marta Gorraiz-Bengoechea and Pablo Garcia
0895	Symbolic Regressor: a interpretability tool for Non-Intrusive Load Monitoring	Danel Rey-Arnal, Pablo G. Bringas and Ibai Laña
1168	IoT Device Fingerprinting: Optimized with Data Diversity and Feature Selection for Computational Efficiency	Chan Yeng Hui and Tan Saw Chin
3835	Improvement of Multi-Label Self-Adjusting Memory kNN Classifier for Sparse and Class-Imbalanced Data Streams	Thinzar Tun and Goto Yuichi
4864	HYBPARSIMONY-IDT: Hybrid Parsimonious Search for Interpretable Decision Trees	Francisco Javier Martinez-de-Pison, Alpha Pernia-Espinoza and Jose Divasón
7652	Analysis of Kernel Thinning for Scalable Support Vector Machines	Blanca Cano Camarero, Ángela Fernández Pascual and José Ramón Dorronsoro Ibero
	H5 - Deep Learning and Representation Learning	
0694	Knowledge Distillation of Class Activation Maps from Two Teachers for Continual	Minkai Sheng, Hyung-Jun Moon and Sung-Bae Cho
0964	RAPID: Robust Adaptive Probabilistic Inference with DINO Features	Vladimir Frolov, Vitaliy Vorobyov, Leonid Ugadiarov and Aleksandr Panov
2102	MapFM: Foundation Model-Driven HD Mapping with Multi-Task Contextual Learning	Leonid Ivanov, Vasily Yuryev and Dmitry Yudin
2444	Revisiting Automatic Essay Assessment: A Relative Approach	Anda Leseanu, Ibrahim Hallac, Burcin Ogul and Hasan Ogul
2661	Evaluating the Usefulness of Large Language Models for Human Activity Recognition Data Augmentation via Few-shot Samples	Maynara Souza, Flávio Arthur Oliveira Santos, Paulo Novais and Cleber Zanchettin
2732	Determination of galaxy photometric redshifts using Conditional Generative Adversarial Networks (CGANs)	Manuel Garcia-Fernandez
3305	Hybrid Vision System for Minor Pre-Assembly Identification in a Robotic Welding Cell	Paula Arcano Bea, Francisco Zayas-Gato, Héctor Quintián, Santiago José Tutor Roca and Adolfo
9805	An energy efficient model based on the feature pseudo-embedding	Lingfeng Chen and Iker Pastor López
	H6 - HAIS Energy Applications	
0077	Forecasting Thermal Demand in Citizen Energy Communities Using Machine Learning: Application to the Urberoa Case Study	Raul Saenz Herreros, Alejandro Muro Belloso, Ignacio Guisasola-Iparraguirre, Ignacio Lázaro-Llorente and Jose David Nuñez Gonzalez
2075	A Hybrid Modelling Approach for Forecasting the Acquired Electrical Power from Photovoltaic Panels	Anabel Díaz-Labrador, Ángel Delgado-Rodriguez, Héctor José Pérez Iglesias, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle
3440	KARMA: KAN meets ARIMA	Arnau Garcia-Cucó, Javier Palanca Càmara and Vicente Juan Botti
9579	IIoT-Driven Time Series Imputation for Sustainable Metalworking Fluid Monitoring	Félix de Miguel Villalba, Nuria Velasco Pérez, Félix Movilla Alonso, Daniel Urda Muñoz, Carlos Cambra Baseca and Álvaro Herrero Cosío
	H7 - Evolutionary Computation and Optimization	
2734	An Adaptive Memetic Algorithm for Solving the Multiple Knapsack Assignment Problem	Adrian Petrovan, Petrica Pop and Cosmin Sabo
4994	Advanced Decomposition-based Bioinspired Algorithms for Multiobjective	Sergio Santander-Jiménez and Miguel A. Vega-Rodríguez
5032	An Ant Colony Optimization Approach for Safest Path Pair Computation under Correlated Failures	Zoltán Tasnádi, Balázs Vass and Noémi Gaskó
8652	DRL-Driven Batch-Oriented SDN Migration with Weighted Traffic Matrix Clustering for Dynamic Networks	Kai Yuan Tan, Saw Chin Tan
	H8 - Reinforcement Learning and AI Planning	
5835	Emotional Value-aware Agents: a Viewpoint paper	Carmengelys Cordova García, Elena del Val Noguera, Joaquin Taverner Aparicio and Vicente Botti Navarro
8238	Neuro-Symbolic Reasoning with Multiple Large Language Models Combined by First-Order Logic	Jieun Kim and Sung-Bae Cho
8293	SimplyQRL: A Modular Benchmarking Library for Hybrid Quantum Reinforcement	Javier Lázaro, Juan-Ignacio Vazquez and Pablo García Bringas
9625	Enhancing World Models with Specialized Prediction Networks for Reinforcement	Álvaro Mellado-Ibáñez, Nestor Arana-Arexolaleiba and Juan-Ignacio Vazquez

H9 - Smart Mobility and Transportation Optimization

1880	Clustering-Based Route Optimization for Mixed Ride-Sharing under Time Constraints	Mercedes Ccesa-Quincho, Jenny Fajardo Calderín, Xabier Cantero, Antonio D. Masegosa and Leire Serrano
6578	Origin-Destination Frequency Tensors and Their Application in Machine Learning Modelling	Dani Marchuet, Javier Palanca and Vicent Botti
7300	Fast-TRACLUS: An Optimized Trajectory Clustering Algorithm for Large-Scale Datasets	Álvaro González Delgado, Santiago Porras, Bruno Baruque and Hector Cogollos Adrian
9897	Action Space Size Effects in Reinforcement Learning for the Vehicle Routing Problem	Jon Díaz-Aparicio, Gabriel Duflo, Jenny Fajardo-Calderín and Enrique Onieva Caracuel

H10 - Time Series and Forecasting Methods

0319	Perplexity, Uncertainty, and the Limits of Active Learning	Pablo Turon and Montse Cuadros
2500	Channel selection and creation algorithms for Electroencephalography classification with HIVE-COTE	Aiden Rushbrooke, Matthew Middlehurst, Saber Sami and Anthony Bagnall
4855	Multivariate Regime Identification and Prediction in Financial Markets via Gaussian Mixture and Gradient Boosting Methods	Álvaro Sánchez-Fernández, Javier Díez-González, Naamán Huerga-Pérez and Hilde Perez
7021	On-Edge Task Planning with Large Language Models for Service Robotics	Alejandro González-Cantón, Miguel A. González-Santamarta, Francisco J. Rodriguez-Lera, Angel M. Guerrero-Higueras, Irene González-Fernández and Francisco Martín-Rico

ID	TITLE	AUHTORS
	SOCO 2025	
	General Track	
	S1 - Optimization, Metaheuristics and Applied Math	
0022	An Analysis of Surrogate Models Based on Machine Learning for the Problem of Static Ambulance Allocation	Esther Ródenas-Moreno, Victor Sánchez-Anguix, Fulgencia Villa, and Juan M. Alberola
4229	Hyperparameter Optimization in Graph Embeddings Using Simulated Annealing and Genetic Algorithms	Pablo Zubasti, Miguel A. Patricio, José M. Molina and Antonio Berlanga
4985	Multi-Robot Path Planning problem with multiple destinations applied to warehouse environments	Diego Villa, Enol García González and José Ramón Villar
3128	Geometric Algebra as a Language for Physics: Application to Rigid Body Dynamics	David Muñoz-Hernández, Carmen García-Barceló, Antonio Jimeno-Morenilla and Higinio Mora
	S2 - Deep Learning for Environmental, Energy and Bio-Vision Applications	
4146	From Data to Decisions: A Novel AI-Based Framework to Energy Purchase Optimization in Volatile Markets	Guillermo Dominguez Pesquera, Pablo Garcia Bringas and Iker Pastor Lopez
5948	Anomaly Detection and Predictive Maintenance of H2 Compressors using Machine Learning	Beatriz Gil-Arroyo, David García, Carolina Gutiérrez, Eduardo García, Luis Ángel Ramos, Daniel Urda and Álvaro Herrero
7059	Analysis of honey bee drone sperm using deep learning	Miguel Santiago Gómez, Víctor Manuel López, Jose Divasón, Francisco Javier Martinez-de-Pison, Pilar Santolaria and Jesús L. Yániz
7236	Analyzing the Efficacy of Urban Low Emission Zones: A Machine Learning Approach to Air Quality in Madrid (Spain)	Gilberto J. Brito, Manuel Curado, Stefan Rada and Jose F. Vicent
9784	Fusion of Drone Images for 3D Road Defect Analysis: A Context-Enhanced Method for Depth and Shape Estimation	Paula López Álvarez, Pablo Zubasti Recalde, Jesús García Herrero and José Manuel Molina López
9652	On the Limitations of Neural Collapse for the Detection of Out-of-Distribution Observations: Can we do any better?	Erik B. Terres-Escudero, Javier Del Ser, and Pablo Garcia-Bringas
	S3 - Anomaly Detection and Predictive Maintenance	
3620	Validating Anomaly Detection of One-Class Classifiers Using Statistical Generators	Rui Pinto, Andre Pilastri, Luis Ferreira, Rafael Freitas and Paulo Cortez
4282	Detection of photovoltaic generator underperformance due to inverter operation modes	Leire Hernandez-Lecuona, Ricardo Alonso, Ainhoa Pereda, Sergio Gil, J. David Nuñez-Gonzalez and Manuel Graña
8768	Denial of Service in 5G Core: AMF and UPF Saturation via Virtual SIMs	Diego Narciandi-Rodríguez, José Aveleira Mata, Natalia Prieto-Fernandez, Javier Alfonso-Cendón, Héctor Alaiz-Moretón and Isaías García-Rodríguez
9147	Enhancing Spam Detection with Machine Learning Techniques: A case study	Martim Martins, Eduardo J. Solteiro Pires and Paulo B. Moura Oliveira
	S4 - Special Session: Time Series Forecasting in Industrial and Environmental Applications	
0223	Personalized Multi-Horizon Glucose Forecasting in Type 1 Diabetes via Deep Learning	Alessandro Santopaolo, Ilaria Basile, Alessandro Giuseppi and Giovanna Sannino
2855	Counterfactual Simulation for estimating Performance Loss in PV Systems: A Machine Learning approach	Jose E. Sanchez-Lopez, Jose Maria Luna-Romera, Daniel Mateos-García and F. Javier Galán-Sales
5310	Multi-Horizon Forecasting of Air Pollutants Using an Explainable Multi-Task Attention-Based LSTM	Naeem Ullah, Ivanoe De Falco and Giovanna Sannino
0401	Deep Learning for Robust Soil Moisture Forecasting Using LSTM and Transformer	Raúl Aguilar, Miguel A. Patricio, José M. Molina, Antonio Berlanga and Sergio Zubelzu
	S5 - Special Session: Efficiency and Explainability in Machine Learning and Soft Computing	
2220	Generalized Fuzzy Logical Operators: a Behavioral Study	Paolo Fosci and Giuseppe Psaila
3097	Exploring Zero-Shot Learning for Time Series Forecasting Using Large Language Models	José Ignacio Meseguer-Gómez, Pablo Reina-Jiménez, Manuel Jesús Jiménez Navarro, María Martínez-Ballesteros and José C. Riquelme
7129	Explainable Graph Neural Networks for Omics-Based Cancer Classification	Javier Hiruelo Pérez, Paula Herrero-Míguez, David Gutiérrez-Avilés and María Martínez-Ballesteros
8092	Stress detection with a Lightweight and Explainable model for IoMT devices	José L. López Ruiz, Carlos Montoya Peña, David Díaz Jiménez, Juan F. Gaitán Guerrero, Pedro A. Palomino Moral and Macarena Espinilla Estévez
8592	From Black Box to Understanding Deep Learning Hyperparameters: An Explainable Analysis	M. Olías, A. Chacón-Maldonado, J. F. Torres, G. Asencio-Cortés and A. Troncoso
9336	Impact of Expert and Auto-Generated Labels on Deep Learning Models for Neuronal Image Segmentation	Gerard Villarroya-Piqué, Víctor M. González, Esther Serrano-Pertierra, Antonello Novelli, M. Teresa Fernández-Sánchez and Angel Rio-Alvarez
	S6 - Special Session: Intelligent Techniques Applied to Modelling and Control in Engineering focused on marine energy systems and robotics	
0143	Detecting Yaw Anomalies in Offshore Wind Turbines using Wind Multiple Features	Bassel Weiss, Segundo Esteban and Matilde Santos
6222	Neuro Fuzzy Control System for Angular Generator Speed in Floating Offshore Wind Turbines	Eduardo Muñoz-Palomeque, Matilde Santos and J. Enrique Sierra-García
8070	Comparative Study of Machine Learning Techniques for Inverse Kinematics in Robotics: XGBoost versus MLP Neural Networks	Mario Peñacoba Yagüe, Jesús Enrique Sierra García and Matilde Santos Peñas
8125	Low Resource Edge-Based Vision for Quadruped Robots: A Comparative Evaluation of Classical HSV and YOLOv5s under Varying Illumination Conditions	Anabel Díaz-Labrador, Ángel Delgado, Héctor J. Pérez Iglesias, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle
	S7 - Special Session: Quantum Computing	
1720	Task Allocation on a Quantum Computer for a Two-Machine Manufacturing Cell	Wojciech Bozejko, Sergii Trotskyi, Mariusz Uchronski and Mieczyslaw Wodecki
3484	Solving capacitated vehicle routing problem with equal demand on a D-Wave quantum machine	Jan Gromiec, Michał Kapica, Michał Nowicki, Mariusz Uchronski and Mateusz Wasilewski
5652	A Comparative Study of Hybrid Classical-Quantum Transfer Learning	Daniel Martín-Pérez, Francesc Rodriguez-Diaz, Alicia Troncoso and Francisco Martínez-Álvarez
6028	A Practical Implementation of Quantum LSTM Using Qiskit and PyTorch	Isaac Rojas-García, Francesc Rodríguez-Díaz, David Gutiérrez-Avilés, Alicia Troncoso and Francisco Martínez-Álvarez
7185	QUBO Optimization: Methods and Implementation using QAOA and Quantum Annealing	Wojciech Bozejko, Sergii Trotskyi, Mariusz Uchronski and Mieczyslaw Wodecki

S8 - Special Session: Machine Learning and Computer Vision in Industry 4.0 I

0353	VR Escape Room to Prevent Cognitive Decline in Older Adults	David Mulero-Pérez, Lucila Vázquez-Soriano, Manuel Benavent-Lledo, David Ortiz-Perez and Jose Garcia-Rodriguez
0966	Multimodal Egocentric Action Recognition via Object-Aware Representations	Hugo Hernandez-Lopez, Manuel Benavent-lledo, David Mulero-Pérez, David Ortiz-Perez, Javier Rodriguez-Juan and Jose Garcia Rodriguez
1242	Impact of Data Augmentation on Woven Fabrics Defect Detection by means of Deep Learning	Beatriz Gil-Arroyo, Nuria Velasco-Pérez, Juan Marcos Sanz, Ángel Arroyo, Daniel Urda and Álvaro Herrero
2075	Diffuse Radiation Forecasting Using a Hybrid Neural Network Architecture Integrating CNN, LSTM, and MLP Models	Gonzalo Surribas-Sayago, Jose David Fernández-Rodríguez and Enrique Domínguez
2508	Rotation-Invariant Deep Learning for 2D Detection: A Step Towards 3D LiDAR Object Recognition	Geovanny Satama Bermeo, Julian Estevez, Manuel Graña, Iñigo Aramendia and Jose Manuel Lopez-Guede
3093	Automated Detection of Fibromyalgia Using 3D Residual Networks on Structural Brain Imaging	Rebeca Piñol-Galera, David Ortiz-Perez, Manuel Benavent-Lledo, David Mulero-Perez, Javier Rodriguez-Juan and Jose Garcia-Rodriguez
3336	Characterization of Photovoltaic Power with SOM and Clustering: An Approach Based on Meteorological Data	Anibal Mantilla-Guerra, Christian Mejia-Escobar, Jorge Azorin-Lopez and Jose Garcia-Rodriguez
3659	Enhanced Skin Lesion Segmentation and Classification Using U-Net and Ensemble Deep Learning Models	Aboubakr Aakaou, Karl Thurnhofer-Hemsi and Enrique Dominguez

S9 - Special Session: Machine Learning and Computer Vision in Industry 4.0 II

3931	Towards Traffic Optimization Using Reinforcement Learning	Hicham Affou, Daniel Caballero-Martin, Geovany Satama, Jose Antonio Ramos-Hernanz, Koldo Portal-Porras and Jose Manuel Lopez-Guede
4003	Exploring Temporal Action Segmentation Techniques for Enhanced Bird Behavior Recognition	Bruno Sancho-Deltell, Javier Rodriguez-Juan, Manuel Benavent-Lledo, David Mulero-Perez, David Ortiz-Perez and Jose Garcia-Rodriguez
5197	Advanced multistep prediction and dynamic thresholding for early detection of crowd anomalies in surveillance systems	Rafael Rodrigo Guillen, Higinio Mora Mora and Jorge Azorín-López
6091	Thickness Estimation of Plastic Polymers in SWIR Imaging Using Deep Learning Methods	Dominik Stursa and Vitek Rais
7060	Content-Based Image Retrieval in Echocardiography Using Textures and Convolutional Neural Networks	Jesús Benito-Picazo, David Elizondo, Juan-José Torres-Palomo and Miguel A. Molina-Cabello
7291	Photovoltaic power estimation based on meteorological data using LSTM and attention	Anibal Mantilla-Guerra, Christian Mejia-Escobar, Jorge Azorin-Lopez and Jose Garcia-Rodriguez

S10 - Special Session: Machine Learning and Computer Vision in Industry 4.0 III

7462	Ensemble Learning for Polymer Injection Molding Quality Prediction	Iván Sánchez-Calleja, Jesús Pérez-González, Andrea Fernández-Gorgojo, Rubén Ferrero-Guillén, Alberto Martínez-Gutiérrez, Javier Díez-González and Hilde Perez
8119	Personalised visualisation of home monitoring and treatment adherence with AI2EPD	David Díaz-Jiménez, José Luis López-Ruiz, Jesus González-Lama, Juan F. Gaitán Guerrero and Macarena Espinilla
8430	Comparative Evaluation of Feature Graphical Descriptors and Classifiers for Pavement Condition Assessment	María Inmaculada Rodríguez-García, María Gema Carrasco-García, Adriana Pabón Noguera, Pedro J.S. Cardoso and Ignacio J. Turias
8921	Automated Multi-UAV Scenarios Generation for Cooperative Aerial Missions	Daniel Caballero-Martin, Julian Estevez, Manuel Graña, Daniel Teso-Fz-Betoño and Jose Manuel Lopez-Guede
9026	X-RAPT: A Virtual Reality Platform for Adaptive Training in Robotic Programming	David Mulero-Pérez, Beatriz Zambrano-Serrano, Enrique Ruiz Zúñiga, Michael Fernandez-Vega and Jose Garcia-Rodriguez
9039	Sentinel-1 potential to identify landslides in mountainous regions	Tannia M. Mayorga Torres, Jose Garcia-Rodriguez and Juan M. Lopez Sanchez
9766	A Hybrid CNN-LSTM Model for Hyperspectral Image-Based Detection of Hydrocarbon and Clean Water	María Gema Carrasco-García, María Inmaculada Rodríguez-García, Javier González Enrique, Juan Jesús Ruíz-Aguilar, Paloma Rocío Cubillas-Fernández and Ignacio José Turias Domínguez

ID	TITLE	AUHTORS

CISIS 2025

GENERAL TRACK

C1 - Malware & Intrusion Detection

ID	TITLE	AUHTORS
0285	A Fast Metric for Preliminary Risk Assessment of Portable Executables Using Static Analysis	Emanuel Albu and Ciprian Pungila
0756	Unsupervised Online Learning for Network Flow Anomaly Detection: A Comparative Evaluation	Alberto Miguel-Diez, Claudia Álvarez-Aparicio, Adrián Campazas-Vega, Vicente Matellán-Olivera and Ángel Manuel Guerrero-Higueras
6048	Enhancing Malware Detection In Portable Executables with Random Forest and Variance-Based Feature Selection	Alexandru Todea, Ciprian Pungilă and Adrian Spătaru
9163	Relational Matrix of Cyberattacks: A Model for Threat Classification and Connection in Digital Environments	Mikel Ferrer Oliva, Jose Amelio Medina Merodio, José Javier Martínez Herraiz and Alberto Larena Luego

C2 - Cryptography & Blockchain Security

ID	TITLE	AUHTORS
2035	Securing On-Chain Voting Using zk-SNARK	Madalin Pahomi, Darius Galis and Ciprian Pungila
2085	Study and comparison of lattice sieving algorithms	Miguel Ángel González de la Torre, Luis Hernandez Encinas and Diego Rojas Rodríguez
2373	Hierarchical Threshold Structure Preserving Signatures	Emircan Çelik, Ahmet Ramazan Ağırtaş and Oğuz Yayla
8851	A Comparative Study of LWE and LIP-Based Post-Quantum Signature Schemes	Édgar Pérez-Ramos, Cristian Nina-Orellana, Candelaria Hernández Goya and Pino Caballero-Gil

C3 - AI Safety, Privacy & Trustworthy Systems

ID	TITLE	AUHTORS
0944	The effectiveness of personal data detection in LLM-based Conversational Agents	Diego Paracuellos, Jose Such, Elena Del Val and Ana Garcia-Fornes
1866	Adaptive Identity Token from User Attributes for Authentication through Controlled Execution Environment	Shashank Tripathi, Kai Hendrik Wöhnert and Volker Skwarek
2278	Comparative Analysis of Jailbreaking Techniques for Large Language Models: A Systematic Evaluation Framework	Pablo Vellosillo Montalt, Elena Del Val Noguera, José Miguel Such Aparicio and Ana María García Fornes
4562	Hybrid Email Phishing Detection Using Large Language Models and Bayes Classifiers	Ciprian Chiosa and Ciprian Pungila

C4 - Special Session: Artificial Intelligence for Protecting the Internet of Things

ID	TITLE	AUHTORS
1992	Influence of Noise on the Stability of a Stochastic SIR Model with Demography	Rafael Rodríguez García, Marta-María Álvarez-Crespo, Antonio Díaz-Longueira, Carlos Cambra and Roberto Casado-Vara
3196	An optimal control problem for a SIR model with two mitigation strategies for malware spread	Roberto Casado-Vara, Rafael Rodríguez García, Carlos Cambra, Agustín García-Fischer, Esteban Jove and Álvaro Herrero
3874	Cybersecurity Taxonomies: Comparative Analysis of Leading IoT Datasets for AI-Driven Security	Virginia Martinez-Fuentes, Ángel Arroyo, Diego Granados-Lopez and Álvaro Herrero
7848	Privacy Enhancing Federated Learning-Based IDS for IoT Networks Using Post-Quantum Secure Channels and Verifiable Secret Sharing	Lamine Syne, Candeleria Hernandez-Goya and Pino Caballero-Gil
9704	Federated Learning for the Detection of Attacks on IoT environment	Alejandro Diez Bermejo, Daniel Urda Muñoz and Jaime Andres Rincon Arango

ICEUTE 2025

I1 - GENERAL TRACK

ID	TITLE	AUHTORS
0847	Enhancing Programming Education Through a Blended Methodology with ProgTutor	Javier Ortega-Morla, Antonio Leis, Alma María Mallo Casdelo, Laura Morán-Fernández and Noelia Sánchez-Maroño
1732	Generative AI Use Scale Indicators in Higher Education	Elena Del Val and Joaquin Taverner
2056	Semantic Systematic Review of Artificial Intelligence-Based Maturity Models for Teaching Feedback in Higher Education	Cristian Valdés, Ángel Arroyo and José Manuel Galán
2419	From Didactic Proposal to Practical Implementation: Results of an Industrial Robotics Training Course within the EAGLE Project	Mario Peñacoba, Eduardo Bayona, Jesus Enrique Sierra-Garcia and Bruno Baruque
3606	WhoSQLWho: A Gamified Web Application for Learning SQL	Bernat Costa, Juan M. Alberola and Victor Sanchez-Anguix
7827	Mixed Reality training in University courses	Alberto Martinez Gutierrez, Pablo Alonso-Díez, Rubén Ferrero-Guillén, Iván Sánchez-Calleja, Jesús Pérez-González, Madalena Araújo and Javier Díez-González