

17th - WEDNESDAY		AUDITORIUM 1	Room 2	Room 3	AUDITORIUM 1	Room 2	Room 3		
<p style="text-align: center;">CONFERENCE ATTENDEES WILL HAVE ACCESS TO THE STARTUP OLE MARBELLA</p>		18th - THURSDAY			19th - FRIDAY				
		9:00	REGISTRATION (Open all day) Entrance			9:00	REGISTRATION (Open all day) Entrance		
		09:00 - 11:00	H1	S1		09:00 - 11:00	H5	S6	C3 I
		11:00 - 11:30	COFFEE BREAK (Coffee Shop)			11:00 - 11:30	COFFEE BREAK (Coffee Shop)		
		11:30 - 12:30	PLENARY TALK - Prof. Ajith Abraham (AUDITORIUM 1)			11:30 - 12:30	PLENARY TALK - Prof. TBC (AUDITORIUM 1)		
		12:30 - 13:30	H2	S2		12:30 - 14:00	H7	S5	C3 II
		13:30 - 14:15		S3				S7	
		14:15 - 15:30	NETWORKING COCKTAIL - LUNCH (TBD)			14:15 - 15:30	NETWORKING COCKTAIL - LUNCH (TBD)		
		15:30 - 17:30	H3	S4 I	C1	15:30 - 17:30	S9	S8	I1
		17:00 - 20:30	REGISTRATION Entrance						
17:30 - 18:00	OPENING HAIS-SOCO-CISIS-ICEUTE (AUDITORIUM 1)								
18:00 - 18:30	COFFEE BREAK (Coffee Shop)								
18:30 - 19:30	H4		S4 II	C2					
19:30 - 20:30	H6								
	20:30	COCKTAIL			21:30	GALA DINNER Hotel Occidental Puerto Banús Av. Rotary Internacional, s/n, Nueva Andalucía, 29660 Marbella, Málaga			

HAIS 2026

H1 - Health & Biomedical AI

0151	A Systematic Analysis of Data Augmentation and Training Parameters for Lightweight CNN-Based Mammographic Lesion Classification	Dragos Trandafir, Madalina Dicu and Camelia Chira
1657	Phase-phase coupling characterization and classification using KAN-based autoencoder	Andrés Ortiz, Nicolás J. Gallego-Molina, Antonio M. Martínez-Heredia, Diego Castillo-Barnes, Ignacio Rodríguez-Rodríguez, Alberto Peinado and Jorge Munilla
2656	Feature Selection for Cognitive Decline Detection Using Machine Learning	Karrar Al-Jammali, Nuria Medina-Medina and Daniel Molina
2843	Early Detection of Neurotoxicity in Neuronal Cultures via Unsupervised Anomaly Detection on MEA Spike Waveforms	Celia Melendi Lavandera, Carlos Fernández Martínez, Fernando Moncada Martins, Angel Rio-Alvarez, Esther Serrano-Pertierra, Víctor Calero, Fernando Abraham Ascencio Salazar, M. Teresa Fernández-Sánchez, Antonello Novelli and Víctor Gonzalez
5595	A Byzantine-Resilient Agentic Framework for Robust Multimodal Subtyping of Non-Hodgkin Lymphoma	Naila Marir, Sara Elsherbini, Manar Mansour, Emad Azmy, Hasan A. Abdel Ghaffar and Passent El-Kafrawy
6627	Subject-Level Classification of Primary Progressive Aphasia from Manually Derived Linguistic Features: Effects of Task Granularity and Variant Sensitivity	Silviu Cociuban, Elena Herrera and Enrique De La Cal Marín

H2 - Applied AI: Food, Water & Resources

5731	Enhancing the Discriminative Quality of Dairy Cattle Monitoring Data through Feature Engineering	Manuel Rubiños, Álvaro Michelena, Antonio Díaz-Longueira, Míriam Timiraos and Alejandro Vidal-Bralo
0208	Autonomous Soil Nutrient Mapping System: Integrating NIR Spectroscopy with a SCARA-Manipulator on a Summit-XL Rover	Jesus Fernandez-Fernandez and Lidia Sánchez-González
0392	Robust Plant Disease Diagnosis Using Multi-Agent Systems	Mario Campos Mocholí, Jaume Jordán, Víctor Sánchez Anguix, Juan Miguel Alberola, Vicent Botti and Vicente Julian
2780	Gaussian Mixture Models for Identifying Ultra-Processed Foods	Joshua Strickland, Murray Dare and Wenjia Wang
2881	Variability of Water Consumption Patterns: Assessing User Membership Stability via PCA and K-Means	Alejandro Vidal-Bralo, Paula Arcano-Bea, Álvaro Michelena, Manuel Rubiños and Héctor Quintián
7146	Hybrid Integration of CNN, Spectral, Structural, and Attention Mechanisms for Vegetation-Soil Segmentation in Agricultural Images	Esther Gascó, Clara I. López-González, Eva Besada-Portas and Gonzalo Pajares

H3 - Vision, Robotics & Inspection

0943	Convolutional Autoencoders Based Unsupervised Detection for Overshoot Cutting Defects on Shipbuilding Base Plates	Paula Arcano-Bea, Anabel Díaz-Labrador, Alejandro Vidal-Bralo, Francisco Zayas-Gato, Héctor Quintián
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1601	Evaluating Off-the-Shelf Semantic Segmentation for Quadruped Navigation via Pseudo-Ground Truth	Anabel Díaz-Labrador, Paula Arcano-Bea, Ángel Delgado, Héctor José Pérez-Iglesias, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle
3898	Occlusion-Aware Bird's-Eye-View Semantic Segmentation for Surround-View Fisheye Cameras	Ngo Van Tuan Anh, Nguyen Huu Thai Minh, Nguyen Tuan Hao, Vo Nguyen Hung Anh and Phan Duy Hung
4295	Human-Related Acoustic Event Classification under Real Background Interference: The Role of Controlled Acoustic Dataset Generation	Daniel Castaño, Mirko Fáñez Kertelj, Javier Sedano, Juan Luis Carus Candas, Jairo Ramírez Ávila and Enrique De La Cal Marín
9795	On the Automatic Visual Inspection for Defects Detection in Injection Molding Processes	Iván Sánchez-Calleja, Alberto Martínez-Gutiérrez, Rubén Ferrero-Guillén, Javier Díez-González, António Gaspar-Cunha and Hilde Pérez García
H4 - LLMs, RAG & Agents		
1974	Large Language Model-based Automatic Knowledge Graph Enrichment	Marat Sabitov, Maria Khodorchenko, Aleksandr Maksimov and Nikolay Butakov
5358	Memory Mining for LLM Agents: Dynamic Topic-Aware Retrieval of User Fact Records	Andrei Trofimov, Nikolay Butakov, Aleksandr Maksimov and Maria Khodorchenko
7042	Hybrid Tri-Layer Framework for Robust AI-Generated Text Detection in Spanish	Hugo Sanjurjo-González and Pablo García Bringas
9588	SmartBrew Advisor: A Hybrid Conversational Recommender System for Brewing Product Guidance	Cristian Pascan, Mara Macelaru and Petrica Pop
H5 - Hybrid Optimization & Planning		
1336	An Efficient Rainbow based Memetic Algorithm to the Linear Fixed Cost Transportation Problem	Rares Chiuzbaian, Adrian Petrovan, Petrica Pop and Cosmin Sabo
3227	A Hybrid Nearest Neighbor Approach with Crossover Operators for Traveling Salesman Problem	Dragan Simic, Zorana Banković, Marko Veličković, Svetislav D. Simić and Svetlana Simić
3903	NSGA-II Multi-Objective Optimization of Plastic Injection Molding Parameters Supported by Surrogate Models	Jesús Pérez-González, Victor Pinheiro-García, Andrea Fernández-Gorgojo, Rubén Ferrero-Guillén, Alberto Martínez-Gutiérrez and Javier Díez-González
4098	Hybrid residential photovoltaic power plant scheduling method based on demand and generation forecasting	Paweł Parczyk and Robert Burduk
5189	Anticipatory Dispatch and Repositioning for On-Demand Food Delivery	Farid Fleifel, Juan M. Alberola, Victor Sanchez-Anguix and Vicente Vidal
5786	Network Architecture Search: a comparison study	María Gutiérrez, Enol García González, José Ramón Villar and Javier Sedano
8852	Imitation learning via deep Q-learning for multi-robot path planning	Anikó Kopacz, Enol García González, Camelia Chira and José Ramón Villar
H6 - Hybrid Industrial & Energy AI		
2169	Hybrid Preprocessing and Machine Learning for Wind Power Prediction in Small-Scale Wind Systems	Miriam Timiraos, Antonio Díaz-Logueira, Manuel Rubiños, Roberto Casado-Vara, José-Luis Casteleiro- Roca and Álvaro Michelena
5119	Automatic Classification of Battery Operating Regimes Using Hidden Markov Models and Voltage Data	Noel Freire-Mahía, Agustín García-Fisher, Pedro Pablo Gómez-González, Rafael-Juan Victoria, Francisco Zayas-Gato and Esteban Jove

7430	A hybrid model for predicting petroleum coke quality based on feedstock composition and process parameters	Vladimir Bukhtoyarov, Oleg Kolenchukov, Alexey Gorodov, Natalia Shepeta, Vadim Tynchenko, Ivan Nekrasov and Artyom Mikhaylov
8890	An Explainable Hybrid Framework for Process Fault Diagnosis	Pedro-Pablo Gómez-González, Agustín García-Fischer, Noel Freire-Mahía, Álvaro Michelena, Esteban Jove and Jose Luis Calvo-Rolle
H7 - Interpretable & Robust ML		
3055	Searching for Interpretable Multilayer Perceptrons Using a Structural-Behavioural Interpretability Metric	Francisco Javier Martinez-de-Pison, Alpha Pernia-Espinoza and Jose Divasón
3451	Incremental Explanatory Variable Enrichment for Interpretable Clustering Models	Dani Marchuet, Javi Palanca and Vicent Botti
5164	A Variational Quantum Classifier Applied to Romanian Financial Data: Insights into Energy–Pharmaceutical Sector Relations	Sebastian Soptelea, Petru Kallay, Mihoc Tudor, and Rodica Ioana Lung
6256	Cascaded Bias Mitigation with Multi-objective Bayesian Optimization for Credit Scoring	Junyoung Cho, Jaeil Park and Sung-Bae Cho
6283	Feature Imaging via Mutual Information for CNN-Based IoT Intrusion Detection on NF-UNSW-NB15-v3	Álvaro Francisco Villar Val, Diego Granados Lopez, Ángel Arroyo and Álvaro Herrero
9522	Active Learning and Self-Labeling in Low-Budget Annotation	Maria Fabijan and Michal Wozniak

SOCO 2026

S1 - Computer Vision Applications

2210	Comparative Evaluation of Computer Vision Models for Fruit Detection	Mencía George, Luis Prieto López, Francisco J Rodríguez Lera and Lidia Sánchez-González
2441	Real-Time Vision-Based Protocol Adherence Classification in TASENS Self-Administered Taste Assessment	Petr Dolezel, Dominik Stursa, Pavel Rozsival and Jan Vodicka
2563	3D Point Cloud Classification of T-Shaped Structural Components for Parts Identification	Paula Arcano-Bea, Anabel Díaz-Labrador, Alejandro Vidal-Bralo and Francisco Zayas-Gato
4956	Analyzing the Impact of Mammographic Projection on Tumor Detection and Classification in Mammograms	Laura Menéndez García, Enol García González, José Ramón Villar, Madalina Dicu and Camelia Chira
5955	Risk-Aware Multispectral U-Net for Semantic Weed Mapping in Precision Agriculture	Laura Cosma, Ștefan Oniga and Ovidiu Cosma

S2 - Prediction and Monitoring

0692	Anomaly Detection under Closed-Loop Fault Masking: A Case Study Comparing One-Class and Supervised Approaches on a Two-Tank Level Control System	Pedro Pablo Gómez González, Agustín García-Fischer, Noel Freire-Mahía, Álvaro Michelena, Esteban Jove and Jose Luis Calvo-Rolle
2191	Experimentally Driven Ensemble Learning for Predicting Ball-Screw Positioning Errors	Javier Villoria-Ugidos, Iván Sánchez-Calleja, Alberto Martínez-Gutiérrez, Rubén Ferrero-Guillén and Javier Díez-González
6455	A Dynamic Threshold-Based Approach for Trend Classification in Urban Parking	Cristian S. Borgoño, Juan M. Alberola, Victor Sanchez-Anguix, Vicent Botti and Vicente Julian
7122	Dimensionality Reduction Approaches for Enhanced Anomaly Detection in Cattle Behavioral Monitoring	Manuel Rubiños, Álvaro Michelena, Antonio Díaz-Longueira, Míriam Timiraos and Héctor Quintián

S3 - Systems and Optimization

3553	Weighted Multiset Reaction Systems	Victor Mitrana, Andrei Paun and Mihaela Paun
3616	Empowering the Unitree Go2 Pro for Elderly Care via WebRTC	Anabel Díaz-Labrador, Paula Arcano-Bea, Ángel Delgado, Héctor J. Pérez Iglesias, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle
3739	Motzkin Neighborhood Evaluation in Iterated Local Search and Simulated Annealing for the Permutational Flow Shop Problem	Remigiusz Wojewódzki and Wojciech Bożejko
8705	Integrating 5G MEC in Production: Architecture-Driven Configuration and Deployment Artefacts	Álvaro Castellanos-Andrés, Diego Narciandi-Rodríguez, Jose Aveleira-Mata, Isaias Garcia-Rodríguez and Ramón Ángel Fernández-Díaz

S4 I - Special Session: Efficiency and Explainability in Machine Learning and Soft Computing

0318	Interpretable multilevel analysis of wind turbine operation data via a recursive unsupervised and LLM-assisted framework	José Enrique Sánchez López, Manuel Carranza García, Ana Rodríguez López and José C. Riquelme
0324	An Explainable Framework for Football Match Outcome Analysis Using Event-Based Data	Jaime Linares Barrera, Manuel Jesús Jiménez Navarro and María Martínez Ballesteros

0395	Deep Learning for Histopathological Lung Cancer Detection: A CNN Comparison	Dayana Murillo-Guanuchy, Salomé Verdugo, Angie Inga, Kevin Landázuri, Lenin Ramírez-Cando, Diego Almeida-Galárraga, Luis Zhinin-Vera, Vladimir Bonilla, Cesar Guevara and Fernando Villalba-Meneses
0685	Hybrid AI-OR Framework for Prescriptive Optimization in Energy-Intensive Steelmaking	Cristina Tobar-Fernández, Dayrelis Mena-Torres, Luis Garcia Marin, Adolfo García González and Francisco García Flores
1422	Memory optimization of IVF indices for RAG systems using FP8 centroid quantization	Naamán Huerga-Pérez, Rubén Álvarez, Álvaro Sánchez-Fernández and Javier Díez-González
1676	Empirical Evaluation of Prompt Sensitivity and Optimization in Alzheimer Disease Speech Classification	Imaan Shahid, Seyedamin Pouriyeh, Yixin Xie, Alessandro Santopalo, Salvatore Giugliano and Giovanna Sannino
2453	Preliminary Digital Assessment of Bulbar Function in ALS: an Exploratory Analysis of Parsimonious and Speech Features	Salvatore Giugliano, Tabea Thies, Elisa Mallick, Johannes Tröger, Myriam Spisto, Raffaele Dubbioso and Giovanna Sannino
S4 II - Special Session: Efficiency and Explainability in Machine Learning and Soft Computing		
2651	A Comparative Study of Energy Prediction in ANN Using Machine Learning Regressors	Violeta Clar, Fernando Boto, Ane Pradera, Carlos Quesada and Iker Pastor
4562	A Holistic Tool for AI Explainability (XAI) in Data Platforms	Ferdinando Carbone, Paolo Fosci, Matteo Leo, Andrea Marmorato, Giuseppe Psaila and Giampiero Rosa
4605	A SHAP-based Framework for Identifying Critical Energy Parameters in Injection Molding Cycles: A Real-World Data Case Study	Víctor Pinheiro-García, Iván Sánchez-Calleja, Jesús Pérez-González, Alberto Martínez-Gutiérrez, Rubén Ferrero Guillén and Javier Díez-González
5432	Epileptic Seizure Detection in Imbalanced Large-Scale EEG Data: A Machine Learning Approach with Explainability Analysis	Aitor Rodríguez Dueñas, Iana Miranda Caramé, Manuel Jesús Jiménez Navarro and María del Mar Martínez Ballesteros
5477	Diagnosis of Pneumonia with Neural Networks Using a Database of Chest X-ray Medical Images	Paola Cerón, Danna Garcés, Adrián Murillo, María José Flores, Kevin Landázuri, Lenin Ramírez-Cando, Diego Almeida, Luis Zhinin-Vera, Vladimir Bonilla, Cesar Guevara and Fernando Villalba-Meneses
7588	Explainable analysis of fake Instagram account detection using graph and behavioral features	Iana Miranda Caramé, Aitor Rodríguez Dueñas, Manuel Jesús Jiménez Navarro and María Martínez-Ballesteros
9428	Market Regime Forecasting Across Horizons: When Transition Detection Matters More Than Accuracy	Álvaro Sánchez-Fernández, Hilde Perez, Naamán Huerga-Pérez and Javier Díez-González
S5 - Special Session: Time Series Forecasting in Industrial and Environmental Applications		
9221	Comparative Analysis of Machine Learning Models for Voltage-Only Battery Operating Regime Classification	Noel Freire-Mahía, Agustín García-Fischer, Pedro Pablo Gómez González, Francisco Zayas-Gato and Esteban Jove
3947	LSTM modelling of long-term effects in forecasting solid waste in the Campo de Gibraltar (Spain)	Marta Pelayo Siles, Lady Juliette Muñoz Rojas, Antonio Rodríguez Maestre, Jose Manuel Alcántara Pérez, Maria Gema Carrasco García, Francisco Javier Gonzalez Enrique, Juan Jesús Ruiz Aguilar and Ignacio José Turias Domínguez

6238	Temporal Fusion Transformers for energy generation forecasting in Energy Communities	María Teresa Ordas, José Carlos González, Angel Marcos Trujillo Trujillo, Alberto Hamilton Castro and Juan Albino Méndez Pérez
8863	Deep Learning vs. Gradient Boosting for SO2 Forecasting: Evaluating Tree Ensembles and Residual LSTM Architectures in Industrial Environments	Javier González-Enrique, Maria Gema Carrasco García, Juan Jesús Ruiz Aguilar, Paloma Rocío Cubillas Fernández and Ignacio José Turias Domínguez
S6 - Special Session: Quantum Computing		
0204	Hybrid Quantum–Classical Learning for Photovoltaic Power Nowcasting Using Variational Quantum Circuits and Gradient Boosting	Aramchehr Zare, Michela Longo and Dario Zaninelli
1075	Calibration-Aware Bit-Flip Averaging For Quantum Error Mitigation	Damian Choptiany
3352	Gate Value Quantification for Efficient Quantum Machine Learning Circuits	Francesc Rodríguez Díaz, David Gutiérrez Avilés, Alicia Troncoso and Francisco Martínez Álvarez
6088	Solving capacitated vehicle routing problem with equal demand using Quantum Approximate Optimization Algorithm on Superconducting Quantum Computer	Miłosz Białczak, Dominik Nikrewicz and Mariusz Uchroński
7520	Quantum Circuit Depth and Penalty Parameters in QAOA: A COBYLA Convergence Study on the Multi-Dimensional Knapsack Problem	Igor Dudkiewicz
9598	Mitigating Catastrophic Forgetting in Quantum Neural Networks via Hybrid Topologies and Dark Experience Replay	Daniel Martín-Pérez, Francesc Rodríguez-Díaz, Alicia Troncoso and Francisco Martínez-Álvarez
S7 - Special Session: Intelligent Techniques Applied to Modelling and Control in Engineering focused on Marine Energy Systems and Robotics		
3767	Neural-Network-Based Prediction of Machine Failures in Manufacturing: An Enterprise Case Study	Kamil Musiał and Milena Stachurska
4152	An Adaptive Fuzzy Logic-Based Yaw Control Strategy for Floating Offshore Wind Turbines Under Turbulent Conditions	Roberto Díaz-Barrio, Jesús Enrique Sierra-García and Matilde Santos
8276	Hybrid AR–Conv–Transformer Model and Ensembles for Active Power Prediction in Wind Turbines	Pablo-Andrés Buestán-Andrade, Matilde Santos, Jesús-Enrique Sierra-García and Nathalia-Michelle Peralta-Vásconez
9436	Genetic Algorithm-Based Optimization of Execution Time and Grasping Force in Cooperative Bimanual Robot Trajectories	Mario Peñacoba-Yagüe, Jesús-Enrique Sierra-García and Matilde Santos Peñas
S8 - Special Session: Machine Learning and Computer Vision in Industry 4.0		
1887	Thermal Anomaly Detection in Municipal Solid Waste Landfills using CNNs	Paloma Rocío Cubillas Fernández, Jose Manuel Alcántara Pérez, María Gema Carrasco García, Javier González Enrique, Juan Jesús Ruiz Aguilar and Ignacio Turias Domínguez
1924	Detection for Robotic Depalletizing of Interlacing Bricks Using YOLO26-OB	Dominik Štursa, Petr Doležel, Vitek Rais, Daniel Honc and Tomas Novak
3673	Prediction of Optimal Locations for 5G Base Stations in Satellite Image using U-Net++ with CBAM Attention and Monocular Elevation Estimation	Iván Garcia-Aguilar, Jesús Galeano-Brajones, Francisco Luna-Valero, Javier Carmona-Murillo and Rafael M. Luque-Baena

4061	X-MAIN: eXtended Reality for Maintenance and Inspection Training	David Mulero-Pérez, Beatriz Zambrano-Serrano, Enrique Ruiz Zúñiga, David Martin-Cabezudo, Jose Garcia-Cordoba and Jose Garcia Rodriguez
4084	YOLO-MSLesSeg: Automated Multiple Sclerosis Lesion Segmentation in MRI with Image Enhancement Techniques	Ariadna Jiménez Partinen, Sebastián Rozenblum, Mario Pascual González, María Paulina Ordóñez-Walkowiak, Víctor Guirado-Osorio and Miguel A. Molina-Cabello
4166	Automated Multi-Protocol Assessment for Mild Cognitive Impairment Using a Mobile Health Application	David Alarcon-Garrido, David Ortiz-Perez, David Mulero-Pérez, Laura Saval-Cillero, Jose Garcia-Rodriguez and M. Flores Vizcaya-Moreno
6152	A Multimodal Signal Fusion Framework for Continuous Fatigue Estimation in Human-Centric Environments	David Alfaro, Mauricio Zamora, Michael Alejandro Fernandez-Vega, David Ortiz-Perez, Jose Garcia Rodriguez and Jorge Azorin-Lopez
7388	Protecting the Vulnerable: Leveraging GANs and Depth Maps for Cognitive Decline Scenarios	Jose Burgos-Miras, Ester Martinez-Martin and Jose Garcia-Rodriguez
8484	Beyond Silence Stripping: Robust Whisper-Based ASR for Dementia Speech	Gonzalo Ramos-Sanchez, David Ortiz-Perez, Alexandra Psarrou and Jose Garcia-Rodriguez
S9 - Special Session: Optimization, Modeling and Control by Soft Computing Techniques		
0027	Swarm Intelligence–Based Fractional System Identification on Programmable Logic Controllers for Industrial Applications	David Zamora-Arranz, Juan J. Gude, Pablo Garcia-Bringas and Javier Del Ser
0571	On the influence of motion in UWB localization methods: A comparative analysis in Industrial Scenarios	Rubén Ferrero-Guillén, Javier Díez-González, Alberto Martínez-Gutiérrez, Javier Villoria-Ugidos, Adriano Moreira and Hilde Perez
1663	FHOPDT-Based Fractional-Order System Identification via PSO and GWO: A Comparative Study	Abdelhakim Idir, Juan J. Gude and Oscar Camacho
8799	Enhanced Grey Wolf Optimization for Hybrid Time–Frequency Identification of Fractional-Order Process Models	Abdelhakim Idir, Juan J. Gude and Oscar Camacho

CISIS 2026

C1 - Hybrid Security Analytics

4332	Blink-and-You'll-Miss-It: Micro-Expressions as a Deepfake Detection Add-On	Andreea Brad and Ciprian Pungila
7350	Rethinking Synthetic Oversampling for Intrusion Detection: When Similarity Hurts Performance	Maximilian Wolf, Dieter Landes, Andreas Hotho and Daniel Schlör
7817	Deep Sets for Network Flow Anomaly Detection under a Multiple Instance Learning Framework	Alberto Miguel-Diez, Adrián Campazas-Vega, Claudia Álvarez-Aparicio, David Sobrín-Hidalgo and Ángel Manuel Guerrero-Higueras
8326	Explainable Mixer-Like Behavior Detection in Bitcoin via Transaction-Level Heuristics	Rebeca Tonu and Ciprian Pungila
9919	Unsupervised Temporal Analysis of Bitcoin Transaction Networks Using Topological Drift	Otilia Muntean, Ciprian Pungilă and Viorel Negru

C2 - Secure AI, Cryptography & Software Assurance

4582	Securing LLM Agents in Production: Threat Models, Defenses, and Operational Trade-Offs	Nestor Torres Diaz, Marcos Rodríguez Vega, Maria Candelaria Hernandez-Goya and Pinc Caballero Gil
5899	Towards Post-Quantum Security: An Architecture Proposal for Securing Cyber-Physical Systems Telemetry	Alexia del Carmen Casado González, David Sobrín Hidalgo, Claudia Álvarez Aparicio, Adrián Campazas Vega, Ángel Manuel Guerrero Higueras and Vicente Matellán Olivera
7178	Analysis and Comparison of Fully Homomorphic Encryption Approaches over Integers	Cansu Bozkurt, Murat Cenk and Oğuz Yayla
8870	Tailored Limb Counts, Faster Arithmetic: Improved TMVP Decompositions for Curve5453 and Curve6071	Murat Cenk, N. Gamze Orhon Kılıç, Halil Kemal Taskin and Oğuz Yayla
9503	Guarding Pointer Arithmetic in LLVM IR: A Lightweight Static Analysis Pass	Erwin Kirichner and Ciprian Pungila

C3 I -Special Session: Artificial Intelligence for Protecting the Internet of Things (AIP-IoT)

0762	Explainable ANFIS-Based DDoS Detection for Edge IIoT	Malena Pérez Sevilla, Félix de Miguel Villalba, Álvaro Herrero Cosio, Daniel Urda Muñoz and Jaime Andrés Rincón Arango
2969	Cybersecurity Audit of the Unitree Go2 Quadruped Robot	Luis Prieto-López, Sergio Sánchez de la Fuente, Francisco Carrera-Martínez, Francisco J Rodríguez Lera and Lidia Sánchez-González
3229	Real-time identification and evaluation of DoS attacks for embedded systems	Sara Abejón, Félix de Miguel, Álvaro Herrero, Daniel Urda and Jaime Andrés Rincón
4331	A Hybrid Forensic Investigation Framework: Mobile Malware, Memory Threats, and Deepfake Detection	Daniel-Ioan Coțolan and Darius Galis
6442	Comparison of Temporal Flow Aggregation Strategies for Transformer-Based Network Intrusion Detection	Sergio Martin-Reizabal, Adrián Caballero-Quiroga, Nuño Basurto and Ruben Ruiz-Gonzalez

6602	Vulnerability Assessment of IoT Ecosystems: A Case Study on Replay Attacks in Wi-Fi Enabled Smart Actuators	Ignacio David Moreno Perez, Carlos Cambra Baseca and Roberto Carlos Casado Vera
7352	Framework Design for Privacy Preserving Machine Learning in a 6G Vehicular Network	Alper Umut Uçar and Oğuz Yayla
C3 II - Special Session: Artificial Intelligence for Protecting the Internet of Things (AIP-IoT)		
7533	Machine Learning Validation of a Flow-Based IoT Cyberattack Dataset	Branly Martinez, Félix de Miguel, Nuria Velasco, Jaime Rincón and Daniel Urda
7790	Identification of relevant digital forensic traces using time window aggregation and hierarchical clustering	Martin Bača, Sophia Petra Křišáková and Pavol Sokol
8430	Cross-Dataset Generalization of Random Forest Classification Models for IoT Network Traffic Attack Detection	Adrián Caballero-Quiroga, Cesar Rodriguez-Viallagra, Nuño Basurto and Ruben Ruiz-Gonzalez
8904	Mixed-Traffic IoT Windows as Flow Sequences: A Transformer-Based Multi-Label IDS	Sergio Martin-Reizabal, Cesar Rodriguez-Villagra, Ruben Ruiz-Gonzalez and Nuño Basurto
9446	Anomaly Detection Through Quantum Annealing-Driven Feature Selection	Diego Granados-Lopez, Anita Krupskaia Herrera-Vaca, Ángel Arroyo and Álvaro Herrero
9629	Autonomous Edge Cybersecurity: LLM-Guided Q-Learning for Resilient Device Control	Dewins Murillo, Ángel Arroyo, Anita Herrera and Álvaro Herrero

ICEUTE 2026

I1 - Special Session: EUropean Transnational Educational

1381	LLM-Assisted Grading of Fundamental Python Programming Exercises via In-Context Learning	José E. Sánchez-López, Pablo Reina-Jiménez, Manuel Carranza-García and Belén Vega-Márquez
2649	Awareness of Home IoT Cybersecurity: A Transnational Study of University Students	Beatriz Gil-Arroyo, Clara Cotillas, Felix de Miguel, Leticia Curiel, Carlos Cambra and Álvaro Herrero
5163	Enhancing Musical Recognition through Immersive Virtual Reality	Alberto Martínez Gutiérrez, Pablo Alonso-Diez, Alejandro Rodríguez-García, Rubén Ferrero Guillén, Iván Sánchez-Calleja, Madalena Araújo and Javier Díez-González
9209	Analysis of the evolution of the number of registered careers in higher education in Paraguay	Perla Sosa de Wood, Viviana Elizabeth Jiménez Chaves and Andrea Paola Riego Esteche