

8th - TUESDAY		9th - WEDNESDAY		10th - THURSDAY				11th - FRIDAY				
			9:00	REGISTRATION (Open all day) Hospedería Fonseca				9:00	REGISTRATION (Open all day) Hospedería Fonseca			
			09:00 - 11:00	H1	H5	S2	S10	09:00 - 11:00	C1.1	H7	S3	
			11:00 - 12:00	H4	H6	S1	S11	11:00 - 11:30	COFFEE BREAK (Coffee Shop Hospedería Fonseca)			
			12:00 - 12:30	COFFEE BREAK (Coffee Shop Hospedería Fonseca)				11:30 - 12:30	PLENARY TALK - Prof. Ajith Abraham (SALA MENOR)			
			12:30 - 14:00	STARTUP OLE EVENTS				12:30 - 14:00	C1.2	H8.2	S8.1	I1
			14:00 - 15:30	NETWORKING COCKTAIL - LUNCH (CLAUSTRO COLEGIO FONSECA)				14:00 - 15:30	LUNCH (SITTING) Fonseca Restaurant			
			15:30 - 17:30	C3	H2.1	S4	S6.1	15:30 - 17:30	H10	H8.1	S8.2	I2
<p style="text-align: center;"><b>CONFERENCE ATTENDEES WILL HAVE ACCESS TO THE STARTUP OLE</b></p>	17:00 - 19:00	<p style="text-align: center;"><b>REGISTRATION Hospedería Fonseca</b></p>	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. Paulo Leitao (SALA MENOR)										
	19:30 - 20:30	C4	H2.2	S5	S6.2							
	20:45	<p style="text-align: center;"><b>STARTUP OLÉ PARTY Cocktail and concert (CONGRESS PARTICIPANTS INVITED) (CLAUSTRO COLEGIO FONSECA)</b></p>	20:30	<p style="text-align: center;"><b>COCKTAIL &amp; CONCERT (COLEGIO FONSECA, B2)</b></p>								21:30

Session	Title	Authors	Conference ID
<b>HAIS 2024</b>			
<b>Biomedical Applicatons</b>			
<b>H1</b>	Surface EMG Profiling in Parkinson's Disease: Advancing Severity Assessment with GCN-SVM	Daniel Cieślak, Barbara Szyca, Michalina Razik, Liwia Florkiewicz, Anna Prus, Hubert Lis, Kinga Grzęda, Weronika Matwiejuk, Helena Kamieniecka, Weronika Bajko, Inga Rozumowicz, Wiktoria Ziembakowska, and Mariusz Kaczmarek	558
	Batch-balancing Improvement with Data Augmentation Techniques for Clinical Electroencephalographic Data	David Fernández-Madera González, Fernando Moncada Martins, Víctor M. Gonzalez, José R. Villar, Beatriz García López and Ana Isabel Gómez Menéndez	1108
	The Third Codon Nucleotide's Role in Genetic Recombination Within SARS-CoV-2 Spike Protein: A Pilot Study	Ana Guerrero-Tamayo, Borja Sanz Urquijo, Isabel Olivares, María-Dolores Moragues Tosantos, Concepción Casado and Iker Pastor-López	1188
	Machine learning for the identification of biomarker and risk factors associated with depression in adult population: Preliminary results on a small cohort.	Guillermo Cano-Escalera, Manuel Graña, Karina S. MacDowell, Juan C. Leza, Iñaki Zorilla and Ana Gonzalez-Pinto	1514
	Unveiling HIV-1 U Sequences: Shedding Light Through Transfer Learning on Genomic Spectrograms	Ana Guerrero-Tamayo, Borja Sanz Urquijo, Isabel Olivares, María-Dolores Moragues Tosantos, Concepción Casado and Iker Pastor-López	1862
	Model to early detection of autism spectrum disorder through opinion mining approach	José Roberto Grande-Ramírez, Eduardo Roldán-Reyes, Jesús Delgado-Maciel, Guillermo Cortes-Robles and Ramiro Meza-Palacios	4206
	A Short Analysis of Hybrid Approaches in COVID-19 for Detection and Diagnosing	Dragan Simić, Zorana Banković, José R. Villar, José Luis Calvo-Rolle, Svetislav D. Simić and Svetlana Simić	5949
	A Graph Neural Network with Multi-head Attention for Universal Brain Disease Diagnosis from fMRI Images	Hyung-Jun Moon, Tae-Hoon Kang and Sung-Bae Cho	6355
A computer vision approach to detect facial characteristics related to encephalopathy in term infants	Nuria Velasco-Pérez, Samuel Lozano-Juárez, Lucía Núñez-Calvo, Nuño Basurto, Juan Arnaez and Daniel Urda	6893	
<b>Data Mining and Decision Support Systems I</b>			
<b>H2.1</b>	SPADE Norms: a distributed general framework for normative multi-agent systems	Miguel García-Bohigues, Joaquin Taverner, Javier Palanca and Vicent Botti	1683
	Finding Optimal Classroom Arrangements to Minimize Cheating in Exams Using a Hybrid AI System	Pablo León Alazraki Salas and Andrés Gómez de Silva Garza	5263
	Resilience to the Flowing Unknown: an Open Set Recognition Framework for Data Streams	Marcos Barcina, Jesus L. Lobo, Pablo Garcia-Bringas and Javier Del Ser	977
	A comparison procedure for the evaluation of metaheuristics	Enol García González, José Ramón Villar and Javier Sedano	2345
	Nyström and RFF Ensembles For Large-Scale Kernel Predictions	Blanca Cano Camarero, Ángela Fernández Pascual and José Ramón Dorronsoro Ibero	3615
	Application of transfer learning to online models in malware detection	David Escudero García and Noemí Decastro-García	6278
A New Training Algorithm for Support Vector Machines	Acelio Sousa, Thiago Alves Rocha and Ajalmar Rêgo da Rocha Neto	7132	
<b>Data Mining and Decision Support Systems II</b>			
<b>H2.2</b>	Soft Adaptive Segments for Bio-Inspired Temporal Memory	Artem Prokhorenko, Evgenii Dzhivelikian, Petr Kuderov and Aleksandr I. Panov	8883
	Assessing Generative Artificial Intelligence in Fundamental Physics with Gaussian Processes	Miguel Cárdenas Montes, Laura Toribio San Cipriano, Jacobo Asorey Barreiro, Juan de Vicente and Ignacio Sevilla Noarbe	2245
	Implementation of Classical Decision Trees in a Quantum Computing paradigm	Manuel P. Cuellar, L.G.B. Ruiz and M.C. Pegalajar	763
	Machine Learning methods as Robust Quantum Noise Estimators	Jon Gardezabal-Gutierrez, Erik Bernardo Terres Escudero and Pablo García Bringas	1856
<b>Deep Learning</b>			
<b>H4</b>	The Impact of Data Annotations on the Performance of Object Detection Models in Icon Detection for GUI Images	Madalina Dicu, Enol García González, Camelia Chira and José R. Villar	132
	Bayesian Model Selection Pruning in Predictive Maintenance	David Solís-Martín, Juan Galán-Páez and Joaquín Borrego-Díaz	3094
	Neonates crying detection through feature extraction and Machine Learning methods	Lucía Núñez-Calvo, Nuria Velasco-Pérez, Samuel Lozano-Juárez, Álvaro Herrero, Juan Arnaez and Daniel Urda	4602
	Differentiable Prototypes with Distributed Memory Network for Continual Learning	Min-Seo Kwak, Hyung-Jun Moon and Sung-Bae Cho	9173
<b>Evolutionary Computation and Optimization</b>			
	Efficient Continuous Sign Language Recognition with Temporal Shift and Channel Attention	Nam Nguyen Tu and Hiroki Takahashi	1488

<b>H5</b>	Solving the clustered minimum routing tree problem using Prüfer-coding based hybrid genetic algorithms	Cosmin Sabo, Bogdan Teglaș, Petrică Pop and Adrian Petrovan	4356
	Diversity Population Metrics in Diploid and Haploid Genetic Algorithm Variants	Adrian Petrovan, Oliviu Matei, Petrica Pop and Cosmin Sabo	4365
	Early failure detection for Air Production Unit in Metro Trains	Amelia Zafra Gómez, Bruno Veloso and Joao Gama	4904
	Satellite-Guided Herding: Optimizing Pasture Selection for Efficient Livestock Management	Lidia Sánchez-González, Francisco J Rodríguez Lera, Pablo Natal and Tania Lema	4286
	VIPER: Vision-based system to detect potential predators for herding with robots	Xiao Yang, Abel Camicero, Lidia Sánchez-González and Francisco J Rodríguez Lera	8788
	Networked Independent Reinforcement Learners Playing an Evolutionary Game	Ziya Xu, Jia Chen and Fernanda Elliott	6572
<b>H AIS Applications</b>			
<b>H6</b>	Identification and behavior pattern recognition of cows in intensive and extensive farms using intelligent collars and dimensional reduction techniques	Álvaro Michelena Grandío, Francisco Zayas-Gato, José Luis Casteleiro-Roca, Héctor Quintián, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle	184
	A supervised clustering approach for subrole discovery in a multiplayer online battle arena game	Carlos M. Canut, Victor Sanchez-Anguix, Juan M. Alberola and Jaume Jordan	827
	Evaluating the Privacy and Security Implications of AI-Based Medical Chatbots on Android Platforms	Bao Tran Quoc, Nghiem Pham, Khiem Tran, Trung Phan, Thong Trinh Duc, Trinh Phung Dang, Doan Minh Hieu and Nhi Le Thi	3273
	A Graph Data Model Creation Methodology for Accident Hotspot Prediction in Urban Areas	Jon Díaz, Gabriel Duflo, Jenny Fajardo, Enrique Onieva and Antonio David Masegosa	8601
<b>H7-HAIS Energy Applications</b>			
<b>H7</b>	A New Ensemble with Partition Size Variation Applied to Wind Speed Time Series	Diogo M. Almeida, Paulo S. G. de Mattos Neto and Daniel C. Cunha	2860
	BatNoiseDL: Discrimination of bat signals through an ensemble of deep learning models	Francisco Javier Martínez-de-Pison, Jose Divason and Félix González	8089
	Missing meteorological data imputation for mini eolic electrical power prediction	María Teresa García-Ordás, Antonio Diaz-Longueira, Álvaro Michelena, Esteban Jove, Martín Bayón-Gutiérrez and Héctor Alaiz-Moretón	9145
	Characterization of water consumers in urban areas based on data visualization techniques	Manuel Rubiños, Paula Arcano-Bea, Antonio Díaz-Longueira, Miriam Timiraos, Álvaro Michelena and Francisco Zayas-Gato	9202
<b>Image and Text Processing I</b>			
<b>H8.1</b>	GenAI-Powered Analysis of GIS App Privacy Policies for GDPR Compliance	Nghiem Pham, Trung Phan, Bang Ngo Hai, Hung Nguyen, Trinh Phung Dang, Nhi Le Thi, Khoa Tran Dang and Bang Le	8862
	An in-depth analysis of jailbreaking through domain characterization of LLM training sets	Carlos Peláez González, Andrés Herrera Poyatos and Francisco Herrera Triguero	379
	Reframing: Detector-specific Prompt Tuning for Enhancing Open-Vocabulary Object Detection	Mikhail Avshalumov, Zoya Volovikova, Dmitry Yudin and Aleksandr I. Panov	1772
	Leveraging Retrieval-Augmented Generation for reliable medical question answering using Large Language Models	Ksenia Kharitonova, David Pérez Fernández, Javier Gutiérrez-Hemando, Asier Gutiérrez-Fandiño, Zoraida Callejas and David Griol	2416
	Establishing the Foundation for Out-of-Distribution Detection in Monument Classification Through Nested Dichotomies	Ignacio Antequera-Sánchez, Juan Luis Suárez-Díaz, Rosana Montes and Francisco Herrera	5559
	A Preliminary Study on Preprocessing the Semantic Space in Zero-Shot Learning	Juan José Herrera Aranda, Francisco Herrera and Isaac Triguero	6142
<b>Image and Text Processing II</b>			
<b>H8.2</b>	Lexicon Annotation with LLM: a proof of concept with ChatGPT	Francisco S. Marcondes, Adelino de C.O.S. Gala, Manuel Rodrigues, José João Almeida and Paulo Novais	6375
	Enhancing RAG-Retrieval to Improve LLMs Robustness and Resilience to Hallucinations	Chaima Njeh, Haifa Nakouri and Fehmi Jaafar	7840
	Common Sense Plan Verification with Large Language Models	Danil S. Grigorev, Alexey K. Kovalev and Aleksandr I. Panov	9087
<b>Reinforced Learning</b>			
<b>H10</b>	Reinforcement Learning for Dynamic Trajectory Adjustment in Human-Robot Interaction within Virtual Simulations	Asier González-Santocildes, Juan-Ignacio Vázquez, Andoni Eguíluz Morán and Pablo García Bringas	4087
	Artificial Intelligence in Portfolio Selection Problem: A Review and Future Perspectives	Álvaro Sánchez-Fernández, Javier Díez-González and Hilde Perez	5509
	Unity-Based Autonomous Driving Environment: A Platform for Validating Reinforcement Learning Agents	Asier Gonzalez-Santocildes and Juan Ignacio Vázquez Gómez	9085
	Using Federated Learning Techniques to generalize Reinforcement Learning approaches	Alberto Tellaache, Ignacio Fidalgo Astorquia, Juan-Ignacio Vázquez and José Gaviria de La Puerta	9930

Session	Title	Authors	Conference ID
<b>SOCO 2024</b>			
<b>Deep Learning and Neural Networks</b>			
<b>S1</b>	Human detection in images captured by UAVs in natural environments	Félix De Miguel, David Caubilla, Carlos Cambra, Nuño Basurto, Daniel Urda and Álvaro Herrero	6128
	Interpretation of Diabetic Foot Ulcer Image Classification using Layer Attribution Algorithms	Zinah Mohsin Arkah, Beatriz Pontes and Cristina Rubio	3992
	Improving the Efficiency of Production Processes by Reducing Human Errors Using Intelligent	Kamil Musiał, Artem Balashov, Anna Burduk, Robert Sułowski and Oleh Pihnastyi	6327
	Automated semantic labelling of images generated with deep diffusion probabilistic models	Jose David Fernandez-Rodríguez, Jesús Benito-Picazo, Iván García-Aguilar and Ezequiel López-	398
<b>Machine Learnign and Data Mining</b>			
<b>S2</b>	Wastewater Quality Indicator Estimation Using Machine Learning and Data Augmentation	Marco Cardia, Stefano Chessa, Alessio Micheli, Antonella Giuliana Luminare and Francesca	2485
	A Virtual Avatar for Sign Language Signing	Francisco Morillas-Espejo and Ester Martinez-Martin	7319
	Comparison of D-Wave quantum computing environment solvers for a two-machine jobs scheduling problem	Wojciech Bozejko, Sergii Trotskyi, Mariusz Uchroński and Mieczysław Wodecki	4966
	Hybrid Fuzzy-Based Method for Optimally Selecting Aircraft for Low-Cost Carriers Operating Medium-Haul Flights	Sergio Toral-Heredia, Iván Sánchez-Calleja, Javier Díez-González, Alberto Martínez-Gutiérrez, Rubén Ferrero Guillén and Hilde Perez	9142
	Two Way Ranging positioning methods analysis under optimized sensor deployments	Rubén Ferrero Guillén, Javier Díez-González, Rubén Álvarez, Alberto Martínez-Gutiérrez and Hilde Perez	594
	Human acoustic events detection as anomalies in industrial environments using shallow unsupervised techniques	Mirko Fáñez Kertelj, Enrique De La Cal Marín, Javier Sedano, Juan Luis Carús Candás and Jairo Ramírez Ávila	3058
Machine Learning in the Last-Mile Delivery: Modified Q-Learning for the TSP	Vladimir Ilin, Dragan Simić, Marko Veličković, Nemanja Garunović and Nenad Saulić	4806	
<b>Machine Learnign and Data Mining</b>			
<b>S3</b>	IoT and AI based security system - design and implementation	Lukasz Korus	7986
	Characterization of cattle behavior based on dimensional reduction techniques	Álvaro Michelena Grandío, Antonio Díaz-Longueira, Miriam Timiraos Díaz, Héctor Quintián, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle	8531
	Time Series Forecasting in Agriculture: Explainable Deep Learning with Lagged Feature Selection	Angela R. Troncoso-García, Manuel Jesús Jiménez-Navarro, M. Lourdes Linares-Barrera, Isabel S. Brito, Francisco Martínez-Álvarez and María Martínez-Ballesteros	8165
	Artificial Intelligence Methodology for Run-to-Target Manufacturing	Carlos Zurrón-Barragán, Francisco Javier Martínez-de-Pisón, Andrés Sanz-García and Ruben	5701
	Multi-Robot Path Planning problem applied to real world environment	Enol García González, José Ramón Villar, Manuel González and Javier Sedano	8772
	An Approach of Optimization in Capacitated Vehicle Routing Problem in Logistics Distribution	Dragan Simić, José Luis Calvo-Rolle, José R. Villar, Vladimir Ilin, Svetislav D. Simić and Svetlana	8828
	Bayesian Generation of Synthetic Data	Paolo Fosci, Javier Nieves, Giuseppe Psaila and Pablo Garcia Bringas	9202
Computer-Vision-Based Industrial Algorithm for Detecting Fruit and Vegetable Dimensions and Positioning	Cesar Guevara, Julen Rostan, Javier Rodriguez, Silvia Gonzalez and Javier Sedano	9915	
<b>Soft Comptuing for Energy Applications</b>			
<b>S4</b>	Learning-Based Models for Intelligent Control Over Air Conditioning Units in a Smart Building	Bruno Ribeiro, Rafael Silva, Bruno Mota, Luis Gomes and Zita Vale	2172
	Predicting power generation from photovoltaic energy system	Ana Paula Aravena-Cifuentes, J. David Nuñez-Gonzalez, Daniel Morejón Roldán, Junior Altamiranda and Manuel Graña	4570
	Photovoltaic generation forecasting for intelligent management in energy communities	Marcos Trujillo Trujillo, Jose M. Gonzalez-Cava, Alberto Hamilton-Castro, Rafael Amay del Arco and Juan Albino Méndez Pérez	5528
	Application of neural models in solar radiation measurements for a better data gathering quality	Álvaro Villar Val, Diego Granados Lopez, Carlos Cambra Baseca, David Gonzalez Peña, Manuel García-Fuente and Angel Arroyo Puente	6082
	Caravels: a Decentralized Container-Based Infrastructure for Sustainable Human-Centric Intelligent Energy Communities	Rafael Silva, Luis Gomes and Zita Vale	9016
	Production Scheduling for Energy Cost Optimization with Constraints: Comparison of Genetic Algorithm and PSO Techniques	Bruno Mota, Pedro Faria and Carlos Ramos	9722
	Modelling room temperature dynamics for efficient HVAC system energy consumption	Ferran Iglesias, Joan Colomer and Llorenç Burgas	6932
	Time Series Analysis of Iraq's Energy Sector: Production, Consumption, and Trends	José Delgado, Morteza Aldaraji, Belén Vega-Márquez and Beatriz Pontes	9285
<b>Soft Comptuing for Medical Applications</b>			
<b>S5</b>	Tuning of a predictive control scheme for intravenous anaesthesia exploring set of fixed ratios	Andrzej Pawlowski, Michele Schiavo and Antonio Visioli	2689
	A metaheuristic algorithm guided by simulation for optimizing the static allocation of emergency medical vehicles	Carlos Gallego, Juan M. Alberola, Víctor Sanchez-Anguix, María Fulgencia Villa, Vicente Julian and Vicent Botti	3437
	Prostate cancer relapse assessment based on optimised outlier detection	Ramón Suárez, Fernando Moncada, José Ramón Villar, Héctor Gómez, Guillermo Lorenzo and Víctor Gonzalez	8574

	PainFusion: Multimodal Pain Assessment from RGB and Sensor Data	Manuel Benavent-Lledo, Maria Dolores Lopez-Valle, David Ortiz-Perez, David Mulero-Pérez, Jose Garcia-Rodríguez and Alexandra Psarrou	3490
<b>S6.1-Special Session: Machine Learning and Computer Vision in Industry 4.0 I</b>			
<b>S6.1</b>	Computer Vision Based Quality Control for Molding Injection Machines	Ramón Moreno, Oscar García, Miguel Del Río Cristobal, Revanth Shankar Muthuselvam, José María Sanjuan, Andrés Vallejo, Ting Wang	4809
	Towards a comprehensive taxonomy of cobots: A tool for multi-criteria classification	Michael Fernandez Vega, David Alfaro Viquez, Mauricio-Andres Zamora-Hernandez, Jose Garcia-Rodriguez and Jorge Azorín-López	5499
	Novel positional encoding methods for neural rendering	Daniel Molina-Pinel, Jorge García-González, Enrique Domínguez and Ezequiel López-Rubio	6081
	Enhancing Object Segmentation via Few-Shot Learning with Limited Annotated Data	Iván García-Aguilar, Syed Ali Haider Jafri, David Elizondo, Saul Calderón, Sarah Greenfield and Rafael M. Luque-Baena	7243
	Early breast cancer detection by automated analysis of mammograms with deep convolutional networks	Guillermo Tell-González, Ezequiel López-Rubio, Rafaela Benitez-Rochel and Miguel A. Molina-Cabello	7631
	Feature Selection for Multi-Label Classification in Predictive Maintenance	Antoine Hubermont, Aymeric Vellinger, Nemanja Antonic and Elio Tuci	7790
<b>S6.2-Special Session: Machine Learning and Computer Vision in Industry 4.0 II</b>			
<b>S6.2</b>	Transforming Manufacturing through Human Digital Twins: A New Architectural Approach	David Alfaro-Viquez, Mauricio-Andres Zamora-Hernandez, Michael-Alejandro Fernandez-Vega, Jose Garcia-Rodriguez, Jorge Azorín-López	8380
	From Medical Consultation To Diagnosis Generation Using Deep Learning	David Ortiz-Perez, Alejandro Merino-Balaguer, Javier Rodriguez-Juan, Jose Garcia-Rodriguez, David Tomás and Grzegorz J. Nalepa	8466
	Advancing Brick Detection from Lab to Industry: A Machine Vision Approach for Robotic	Dominik Stursa, Petr Dolezel and Bruno Baroque	9266
<b>Special Session: Intelligent Models and Frameworks for Smart Agriculture and Green Economy I</b>			
<b>S8.1</b>	A comparative study of machine learning models for plant disease identification	Mara Macelaru, Petrica Pop and Jose Barata	2899
	Using Markov chains for determining the proximity contagion of smart specialization of localities	Oliviú Matei, Laura Andreica, Ioan Alin Danci, Anca Avram and Bogdan Vaduva	3122
	A comparative study of different genetic algorithms approaches to capacitated vehicle routing problem for collection of agricultural products	Cosmin Sabo, Natanael Balogh, Petrica Pop and Adrian Petrovan	4229
	Using Machine Learning for Identifying the Intrinsic Economic Specializations of Localities	Oliviú Matei, Laura Andreica, Ioan Alin Danci, Anca Avram and Faragau Tudor	4370
	Fraudulent transactions identification using a machine learning approach	Silvia Vázquez-Nogiera, Miguel García-Torres, Sebastián Grillo, Francisco Gómez-Vela, Katherin Arrua, Ricardo R. Palma and Lorena Andrea Bearzotti	4587
	Aggregation Strategy for Federated Machine Learning Algorithm	Rudolf Erdei, Daniela Delinschi, Iulia Bărăian and Oliviú Matei	4937
<b>Special Session: Intelligent Models and Frameworks for Smart Agriculture and Green Economy I</b>			
<b>S8.2</b>	Embedding GIS in crop field bonitation computation	Bogdan Vaduva, Oliviú Matei, Anca Avram and Laura Andreica	5319
	Advancements in Machine Learning Algorithms for Precision Crop Yield Prediction: A Comprehensive Review with focus on European Union	Carmen Anton, Anca Avram, Oliviú Matei, Laura Andreica and Bogdan Vaduva	5928
	TPC Net: An Efficient CNN Architecture for Tomato Plant Disease and Pest Classification	Ovidiu Cosma and Laura Cosma	6283
	Data Quality Assessment Methodology	Daniela Delinschi, Rudolf Erdei, Emil Marian Pasca and Oliviú Matei	6671
	Privacy Assessment Methodology for Machine Learning Models and Data Sources	Rudolf Erdei, Emil Marian Pasca, Daniela Delinschi, Anca Avram, Ionela Chereja and Oliviú Matei	7818
	Forest Fire Risk Prediction using Machine Learning	José Diogo Vilaças Nogueira, Eduardo J. Solteiro Pires, Arsénio Reis, Paulo Moura Oliveira, António Pereira and João Barroso	8825
	Enhancing API Security Testing against BOLA and Authentication Vulnerabilities through an LLM-Enhanced Framework	Emil Marian Pasca, Rudolf Erdei, Daniela Delinschi and Oliviú Matei	8917
	A new vision of social behavior on genetic algorithm performance	Andreea Tatar, Nicolae Fat, Adrian Petrovan and Oliviú Matei	9985
<b>Special Session: Computational Intelligence Applied to Modelling and Control of Engineering Systems</b>			
<b>S10</b>	A classification based algorithm to characterize euthymia data in mental health.	Victoria López, Pavel Llamocca and Alberto Mérida-Nicolich	1106
	First Approach of an Electromechanical Fuzzy Logic Controller for MPPT Wind Turbine Control	Eduardo Muñoz-Palomeque, Jesus Enrique Sierra-García and Matilde Santos	1140
	Affordable Wind Power Forecasting: Implementing LSTM Networks on Low-Cost Hardware Platforms for Enhanced Energy Management	Mario Peñacoba Yagüe, Pablo Buestán-Andrade, Jesús Enrique Sierra García, Matilde Santos Peñas and Antonio Ruano	3150
	Auto-encoder neural networks for anomaly detection in wind turbines	Dennys Coronel, Cesar Guevara and Matilde Santos	3278
<b>Special Session: Applied Machine Learning (2nd Edition)</b>			
<b>S11</b>	Feature importance analysis of meteorological weather for mini eolic electrical power prediction using clustering information	María Teresa García-Ordás, Paula Arcano-Bea, Manuel Rubiños, Esteban Jove, Diego Narciandi-Rodríguez and Héctor Alaiz-Moretón	3285
	Weighted feature ranking merging for supervised machine learning	Jessica Coto-Palacio, Daniel Alejandro Ortiz-Tandazo, Alejandro Bautista-Juárez, Agustina Grangetto, Kelsy Cabello-Solorzano, Diana León-Castro, Paola Santana-Morales and Antonio J.	8083
	A hybrid intelligence model forecasts the SOC of electric vehicle's battery	Manuel Rubiños, Paula Arcano-Bea, Míriam Timiraos, Álvaro Michelena, Rafael Vega Vega, José Manuel Andújar and José Luis Casteleiro-Roca	1512

Session	Title	Authors	Conference ID
<b>CISIS</b>			
<b>CISIS Applications I</b>			
<b>C1.1</b>	Blockchain-based random selection among a private number of candidates	Idoia Gamiz, Cristina Regueiro, Eduardo Jacob, Oscar Lage and Juanjo Unzilla	911
	A timeline and analysis of recent Bitcoin money-laundering detection methods	Rebeca Tonu and Ciprian Pungila	4994
	An approach based on LLMs for forensic threat detection in autonomous systems	David Sobrín-Hidalgo, Irene González-Fernández, Miguel Ángel González-Santamarta, Adrián Campazas-Vega, Claudia Álvarez-Aparicio, Ángel Manuel Guerrero-Higueras, Francisco Javier Rodríguez-Lera and Vicente Matellán-Olivera	3264
	Smart water meter network anomaly and failure detection system	Łukasz Saganowski and Tomasz Andrysiak	3711
	Design and Implementation of a Fast, Platform-Adaptive, AIS-20/31 Compliant PLL-Based True Random Number Generator on a Zynq 7020 SoC FPGA	Oğuz Yayla and Yunus Emre Yılmaz	5318
	A Comparison of Frameworks for Heterogeneous Computing Using High-Performance Pattern-Matching for DNA Biometrics and Digital Forensics	Lia Stratan and Ciprian Pungila	6550
	Fuzzing Robotic Software using HPC and LLM	Francisco Gamelo Del Rio, Francisco J Rodríguez Lera, Camino Fernández and Vicente Matellan	7823
	Augmenting API Security Testing with Automated LLM-Driven Test Generation	Emil Marian Pasca, Rudolf Erdei, Daniela Delinschi and Oliviu Matei	1180
<b>CISIS Applications II</b>			
<b>C1.2</b>	Performance Impact of Strengthening the Accountability and Explainability System in Autonomous Robots	Alejandro González Cantón, Miguel Angel Gonzalez-Santamarta, Enrique Soriano Salvador, Gorka Guardiola and Francisco J Rodríguez Lera	8331
	Generation of Industrial Protocol-Traffic via Enhanced Wasserstein GAN	Mikel Moreno Moreno, Lander Segurola, Francesco Zola, Arantza Del Pozo and Iker Pastor-López	9301
	Cyber Security in Hospitals: A Network-Oriented Model for Behavioural Learning of Employees during Phishing Simulations	Debby Bouma, Charlotte Hoffmans, Niek Jan van den Hout, Natalia Zwartz, Jan Treur and Peter Roelofsma	5981
	Exploring the use of LLMs to understand network traces	Rubén De la Torre Vico, Roberto Magán-Carrión and Rafael A. Rodríguez-Gómez	5601
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<b>Cyberattacks, blockchain and quantum computation</b>			
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