

INISTA 2026 Conference Program
Day 1, Thursday 17th September

Time Slot **All Times are in CET-1**

8:00- 9:00	Registration	
9:00-9:30	Opening Ceremony - Santa Maria Room Link	
9:30-11:00	Parallel Sessions	
	Hardware, Networks and Computing (S. Miguel Room)	Machine Learning and Monitoring Architectures (Santa Maria Room)
	Chair: Gabriel Guerrero-Contreras	Chair: José Machado
	Link	Link
	Paper 54 - Marius-Alexandru Olaru, Andrei Arhire and Adrian Iftene. Hybrid quantum neural network image classifier approach through an analysis focused on optimized parameterized quantum circuits	Paper 21 - Rabia Eda Yilmaz, Mehmet Anil Taysi, Ayşe İrem Özmen and Gökhan İnce. When to Predict, When to Abstain: Distilling Bayesian Uncertainty into Transformer Classifiers
	Paper 39 - Florin Olariu, George Duluta and Andrei Scutelnicu. Code, Runtime, and Hardware: A Holistic Carbon Profile of Software Anti-Patterns in Cloud-Hosted Enterprise Applications	Paper 31 - Ignacio Aguilera Martos, Álvaro Rodríguez-Gallardo and Francisco Herrera. Weight Sparsity in Transformer Time Series Forecasters: A Module-wise Empirical Study
	Paper 8 - Fouad Ailabouni, Laura Grande Pérez, Albano Carrera, Jesús-Ángel Román-Gallego and Fernando De la Prieta. EG-Vista: Evidence-Grounded Natural-Language Visual Analytics for Explainable IoT Intrusion Detection	Paper 26 - Carlos Freitas, Diogo Martinho and Goreti Marreiros. A Review of Physiological Monitoring and Prediction in Workers in High-Risk Construction Environments
	Paper 27 - Muhammet Cihat Mumcu and Atif Kerem Sanli. A RISC-V-Controlled Spiking Neural Network Accelerator on FPGA for Human Activity Recognition	
11:00-11:30	Coffee Break	
	Invited Talk (Francisco Herrera) Santa Maria Room	
11:30-12:30	Link	
12:30-14:00	Luch Break	
14:00-15:30	Parallel Sessions	
	Health and Clinical Applications I (S. Miguel Room)	Autonomous Vehicles, Safe Mobility and Virtual Reality (Santa Maria Room)
	Chair: Hugo Peixoto	Chair: Regina Sousa
	Link	Link
	Paper 61 - Inês Eusébio, Renata Magalhães, Pedro Oliveira and Rafaela Rosário. Benchmarking LLMs for Anxiety Classification	Paper 67 - María Galvín-Terrero, Gabriel Guerrero-Contreras and Sara Balderas-Díaz. Video-Based
	Paper 71 - Diana Ferreira, Cristiana Neto, Elisa Proença, Ana Freitas, António Abelha and José Machado. GENESIS: An openEHR-Grounded Retrieval-Augmented Generation Framework for Explainable AI in Neonatal Care	Paper 35 - George-Gabriel Constantinescu. Cross-Domain Adaptive XR Training: Interaction Patterns for Human Behavior in Affective and Safety-Critical Tasks
	Paper 14 - Aabiyah Zehra, Saiqa Aleem and Madhuri Chitrata. Emotionally Adaptive Interaction Modelling for Cognitive Support in Dementia	Paper 12 - Mihaita Lupascu, Lucian M. Sasu and Ioana Cristina Plajer. Real-Time Multi-Task Visual Perception for Autonomous Driving: A Panoptic Approach to Monocular Depth and Instance Segmentation
		Paper 66 - Hassan Chaitou, Njaka-Harilala Andriamandratomanana, Edoukou-Berenger Ayebie and Helmi Rais. ETAS: A Reliability-Control Framework for AI-Assisted Automotive TARA
15:30-16:00	Coffee Break	
16:00-17:30	Parallel Sessions	
	Health and Clinical Applications II (S. Miguel Room)	Large Language Models (Santa Maria Room)
	Chair: Diana Ferreira	Chair: Adelino Gala
	Link	Link
	Paper 25 - Georgi Rusev. Investigation of Feature Extraction Techniques from Electrocorticography Signals	Paper 49 - Can LLMS Read a Course Page? Benchmarking LLM and Rule-Based Information Extraction on Italian University Websites
	Paper 30 - Tugce Gulseren Tezel, Ebru Sayilgan and Mehmet Turkan. Adaptive Specialist Routing for Volumetric Lung Tumor Assessment on CT: A Comparative Evaluation Against RECIST	Paper 4 - Schema-Consistent Confabulation in Multi-Agent LLM Dialogue: A Grounding Audit Case Study

19:00	Paper 41 - Mehmet Emin Kocak and Cigdem Eroglu Erdem. One-Shot Federated Learning for Skin Lesion Classification: A Meta-Learning Approach with Personalized Latent Diffusion Models Paper 60 - Luís Silva, Pedro Reis, Guilherme Pinto, Pedro Gomes, Pedro Cunha, João Miranda and António Abelha. Safety-First Multi-Agent Decision Support for Chest-Pain Triage: A Manchester-Aligned Architecture and an Evaluation Harness that Surfaces LLM Under-Triage	Paper 11 - Robert Chihaia, Maria Trocan and Florin Leon. Evidence of Sentiment Alignment in Language Models Paper 28 - Matei Ciobanu, Maria Ecaterina Olariu, Cezar Tudor, Cristian Simionescu and Adrian Iftene. From Prompt to Query Safely: A Permission-Aware JSON Gateway Between LLM Agents and Relational Databases
	Welcome Reception - Alberto Sampaio Museum	

Day 2, Friday 18th September

9:30-11:00	Parallel Sessions	
	Natural Language Processing (S. Miguel Room)	Society, Behavior, and Sentiment Analysis (Santa Maria Room)
	Chair: Daniel Gatti Link	Chair: António Abelha Link
	Paper 24 - Daria Elena Melinte, Cosmin-Iulian Irimia and Adrian Iftene. From Natural-Language Briefs to Floor Plan Constraints: Design of a Multi-Step Text Processing Module	Paper 29 - Lucía Atienza-Olmo, Sara Balderas-Díaz, Pedro Oliveira and Gabriel Guerrero-Contreras. Semantic and Linguistic Metadata Fusion for Gender-Related Cyberbullying Detection
	Paper 52 - Cosmin-Nicu Țirpescu and Adrian Iftene. RoSyl: A Hybrid Romanian Syllabification Framework Based on Linguistic Rules and Conformer Networks	Paper 9 - Fernando Alonso-Aucejo, Luis Eduardo Andrade, Laura Grande-Pérez and Fernando de la Prieta. Fine-Tuning Spanish Transformers under Extreme Class Imbalance: A Diagnostic Study on eSports Toxicity Detection
	Paper 40 - Dimitri Filleux, Cyril Drocourt, Harold Trannois, Baptiste Mairesse and Gil Utard. Multi-Dimensional IT Ticket Analysis: A Comparison of Encoder Models and Small Language Models	Paper 10 - Yeşim Yiğitbaşı, Emrecan Çelik and Tuğba Dalyan. Toward Unsupervised Recovery of Attachment Groupings from Turkish Children's Doll Family Story Completion Narratives
11:00-11:30	Paper 44 - Doğan Toka, Derya Uysal, Osman Kumaş and Çağrı Toraman. Hierarchical Retrieval-Augmented Classification on Real-World Financial Text: A Case Study in Turkish	Paper 59 - Mauricio Valle and Gonzalo Ruz. Exploration of the generative capabilities of Boltzmann machines applied to social systems under the majority rule
	Coffee Break	
11:30-12:30	Invited Talk (Paulo Novais) Santa Maria Room	
	Link	
12:30-14:00	Lunch Break	
14:00-15:30	Parallel Sessions	
	Finance, Business, and Recommendation Systems (S. Miguel Room)	3D Computer Vision and Mixed Reality (Santa Maria Room)
	Chair: Sara Balderas-Díaz Link	Chair: Cristiana Neto Link
	Paper 42 - Derya Uysal, Baturalp Arslan Kabadayı, Enfal Elgörmüş, Revna Altınöz, Osman Kumaş and Çağrı Toraman. Financial Risk Monitoring based on Sentiment Analysis: A Real-World Case Study on Turkish News Articles	Paper 2 - Daria Melinte, Irimia Cosmin-Iulian and Adrian Iftene. A Multimodal Collaborative Pipeline for Transforming 2D Floorplans into Editable 3D Models
	Paper 57- Raidell Avello-Martinez, Alejandro Romero, Francisco Bellas and Abraham Prieto-García. Teaching Vision-Based Robotic Placement in VET: A Project-Based AI Learning Experience with RoboDK	Paper 6 - Alina Duca, Elena-Ecaterina Opaît and Adrian Iftene. Efficient 3D Volume Rendering of Multi-Modal Medical Imaging Data for Mixed Reality Applications
	Paper 56 - Daniel Ferreira, Henrique Teixeira, Guilherme Rosa, Rui Machado, João Roldão, Henrique Freitas and Osvaldo Pacheco. A Questionnaire-Driven Recommendation Engine for Automatic Travel Itinerary Generation	Paper 3 - Habasescu Andrei, Irimia Cosmin-Iulian and Adrian Iftene. A Cloud-Integrated Electronic Shelf Label Management System with QR-Linked Product Information and Mobile AR Interaction
15:30-16:00	Paper 50 - Alin Claudiu Alecsa, Iulian Popa and Luciana Majercsik. Metaheuristic Optimization for High-Dimensional Nutritional Recommender Systems	Paper 51 - AMatheus Godoi, Guilherme Kayo, Letícia Godoi and Ely Dirani. A Derivative-Based Predictive Thermal Reflex for Low-Cost Autonomous Prosthetic Hands
	Coffee Break	
16:00-17:00	Parallel Sessions	

Special Session - ITOMAD (S. Miguel Room)	Data Management, Trust, and Cooperative Systems (Santa Maria Room)
Chair: Pedro Oliveira Link	Chair: Fernando de la Prieta Link
Paper 22 - Anabel Díaz-Labrador, Paula Arcano Bea, Ángel Delgado, Héctor José Pérez-Iglesias, Oscar Fontenla-Romero and Jose Luis Calvo-Rolle. Robustness of Outdoor Urban Semantic Segmentation under Locomotion-Induced Perturbations on a Quadruped Robot	Paper 38 - Main İdal Aslan, Seyit Çiftaslan and Hürevren Kılıç. Cooperation Among Evaluate-Compare-Imitate Players in a Spatial Repeated Snowdrift Game Environment
Paper 23 - Paula Arcano Bea, Pablo Vilaboy-Sachocos, Anabel Díaz-Labrador, Alejandro Vidal-Bralo and Francisco Zayas-Gato. Unsupervised 3D Anomaly Detection for Industrial Structural Components	Paper 17 - Florin Olariu, Ana Delia Manoliu, Alex Moruz and Andrei Scutelnicu. Immutable Justice: A Permissioned-Blockchain Workflow for Tamper-Evident Digital Evidence Custody
Paper 72 - Alejandro González-Casal and Abraham Prieto García. Output-Level or Objective-Level Surrogates? A Comparative Study for Simulator-Based Optimization	Paper 55 - Daniel Ferreira, Sebastião Teixeira, Henrique Teixeira and Osvaldo Pacheco. Self-Healing LLM-Generated Wrappers for Heterogeneous Data Ingestion: Production Experience from a Tourism Sustainability Dashboard

18:00	Social Visit - Ducal Palace
20:00	Gala Dinner and Best Paper Awards - Quinta da Corredoura

Day 3, Saturday 19th September

9:30-10:30	Tutorial Session	
	Brain-inspired AI by Petia Koprinkova (Santa Maria Room)	
	Link	
10:30-11:00		
11:00-13:00	Parallel Sessions	
	Special Session - SPN-NLP (S. Miguel Room)	Special Session - SPN-NLP & Others (Santa Maria Room)
	Chair: Túlio Silva Link	Chair: Francisco Marcondes Link
	Paper 73 - Sílvia Araújo, Francisco L. Da Cunha and Sylvestre Kouassi Kouakou. Sentence-Level Text Classification of French Presidential Speeches Using a Large Language Model	Paper 43 - Ana Laura Gomes dos Santos and Daniel Couto Gatti. Ludic Learning Canvas: Preparing, Playing, Gaming, Assessing, and Learning
	Paper 74 - Diego Rodrigues, Sílvia Araújo, Beatriz Rosa Pinheiro dos Santos, Ildeberto Rodello, Ieda Damian and Luciana Morilas. Toward Intelligent Research Workflows with Open Large Language Models and Retrieval-Augmented Generation	Paper 48 - Renato Manzan de Andrade, Daniel Couto Gatti, Fernando Correa Grisi and Lawrence Koo. Organizational Governance Dimensions for Responsible Agentic AI Deployment
	Paper 68 - Túlío Ferreira Leite da Silva, Adelino Gala and Francisco S. Marcondes. Post-Semiotic Fragments: A Lifecycle Framework for Meaning in Large Language Models	Paper 53 - Cristina Oliveira da Fonseca, Daniel Couto Gatti and Luiz Carlos Zeferino. Inclusive and Protective Agentic Web: Cognitive Proxies, Accessibility by Design and a Federation of Situated Knowledges in the Brazilian Context
	Paper 62 - Katia Regina Conrad Lourenço, Karina Vaneska Pereira de Carvalho and Alipio Casali. A Semiotic-Pragmatic Framework for Evaluating Generative AI and Sign Language Technologies in Deaf Education: A Deaf Curriculum Perspective	Paper 47 - Roxana-Teodora Maftciu-Scai, Mihai Oşan and Flavia Micota. Evolving Ensembles of Interpretable Dispatching Rules for Dynamic Flexible Assembly Scheduling
	Paper 64 - Vatter Pinho. Evaluating and Governing Semantic Fiscal Agents	Paper 13 - Abdullah Saado and Gokhan Bora Esmer. Simulation-Based Feasibility Analysis of an Embedded FSR-Based Sleep Bruxism Detection System