General Programme Iberamia 2026

19th Ibero-American Conference on Artificial Intelligence

Tue 17 Nov.26			Wed 18 Nov.26	Thu 19 Nov.26	Fri 20 Nov.26
		9:00	***Registration***	***Registration***	***Registration***
WORKSHOPS **(Google Maps)** * **HERIT-AI** * **EMORA** * **METAHEUR**		9:00 – 10:30	**Tech Sessions** WM1, WM2, WM3	**Tech Sessions** TM1, TM2, TM3	**Tech Sessions** FM1, FM2, FM3
		10:30 – 11:00	**Coffee Break**	**Coffee Break**	**Coffee Break**
		11:00 – 12:30	***Plenary Talks*** **Machine Learning in Biomedicine** *Prof. Alberto Paccanaro* _____ **The Identification and Design of Antimicrobial Peptides as AI Challenges** *Prof. Carlos A. Brizuela*	***Plenary Talk*** ***Iberamia'26 Career Recognition Award*** **Constrained Decision-Making in the Age of Generative AI.** ***Prof. Miguel A. Salido***	***Plenary Talk*** **AI for Child Protection** ***Prof. Ana L. Sandoval*** _____ ***Closing Session***
		12:30 – 14:30	**Lunch**	**Lunch**	
14:00 – 18:00 **TUTORIAL** Protección Integral en el Entorno Digital *Prof. Ana Sandoval* *Facultad Politécnica (FPUNA)*	**14:00 – 18:00** Exposición Proyectos IA Aplicados *Centro de Innovación TIC* *Facultad Politécnica (FPUNA)*	14:30 – 16:00	Tech Sessions WT1, WT2, WT3	Tech Sessions TT1, TT2, TT3	
		16:00 – 16:30	Coffee Break	Coffee Break	
		16:30 – 17:30	Tech Sessions WT4, WT5, WT6	Tech Sessions TT4, TT5, TT6	
19:00 **IBERAMIA'2026 Opening Session** **Reception & Social Event** *Google Maps*			**18:15** **Social & Cultural Event**	**Gala Dinner & Awards Best Papers** Gran Hotel del Paraguay, Calle de la Residenta, 906 Google Maps	

Venues:

- **Plenary and Technical Sessions** will take place in **Facultad de Ciencias y Tecnologia** in the Campus Santa Librada of the ***Universidad Católica «Nuestra Señora de la Asunción» (UCA)***, Asunción, on November 18, 19, and 20: View it on **Google Maps**

- **Workshops** and ***Tutorials*** will take place in ***Facultad Politécnica***, of the campus of the ***Universidad Nacional de Asunción (UNA)***, which is located in San Lorenzo (next to Asunción) on Tuesday, November 17, 2026: View it on **Google Maps**.

- **Openning Session, Reception & Social Event** will take place in *Universidad Comunera (UCOM) – Planta baja. Monseñor Bogarín 284 – Barrio Recoleta (Asunción).* ***Google Maps***

Social Activities:

- **Openning Session:** *19:00, Universidad Comunera (UCOM) – Planta baja. Monseñor Bogarín 284 – Barrio Recoleta (Asunción).* ***Google Maps***

- **Reception & Social Event**: *Paraguayan culture & Welcome Cocktail* (After Opening Session)

- **Social & Cultural Event:** *18:15. Guided tour of the historic center*.

- **Gala Dinner:** Gran Hotel del Paraguay, Calle De la Residenta 906 **(**esquina con Padre Pucheau), en el tradicional barrio Las Mercedes de Asunción. Acceso en ***Google Maps***.

- **Iberamia Assembly (members only)**: 14:30, Thu, 19 November.

TECHNICAL SESSIONS

Note: Each presentation will consist of a 15-minute presentation and 5 minutes for optional comments. We ask authors and session chairs to ensure that these limits are strictly observed, in order to keep to the scheduled program of activities.

Wednesday 18, November

9:00 - 10:30 Registration

9:00 - 10:30 Technical Sessions

Session: WM1 - Learning, Data, and Generative Models. Room-1
Chair: *Goreti Marreiros*

- **Benchmarking ML Models for Antibiotic Bioactivity Prediction**. *Norris, J., Galeano, D.*
- **Ensemble Approaches for Behavior Forecasting of Energy Prosumers: A Comparative Study Using LSTM and XGBoost**. *Pauls Toews, M., Pinto Roa, D., Colbes Sanabria, J.*
- **A deep complexity analysis in binary and multiclass image classification problems** *Moctezuma Ochoa, D., Lancho Martin, C.*
- **Hybrid AI Framework for Thermal-Aware Energy Management in HESS under Uncertainty.** *Cubillos, X., Lamas Samanamud, G., Santos, L., da Rocha Ilardino, C., Antunes,*
- **SemanticFedAvg: Byzantine-Robust Federated Learning with Multi-Signal Detection and On-Chain Trust.** *Botelho, R., Marreiros, G., Conceição, L.*

Session: WM2 - Language, Communication, and Interaction. Room-2
Chair: *Hugo Peixoto*

- **A Privacy-Preserving LLM-Based Conversational Agent for Bidirectional Text–SQL–Text Clinical Data Interaction**. Peixoto, H., Almeida, M., Sousa, R.
- **A RAG-based Framework for Automatic Generation of Grammatical Transformations in Guarani** *Franco Burgos, M., Sosa, A., Gómez Adorno, H., Chiruzzo, L.*
- **Active Learning for Spanish Natural Language Inference on a Heterogeneous Multi-Domain Corpus** *Ortiz-Ruiz, D., R. Portela, J., Manrique Piramanrique, R.*
- **Clinical Automatic Speech Recognition for Low-Resource Languages: A Scoping Review of Challenges, Systems, and Research Gaps**. *Sousa, R., Peixoto, H., Abelha, A.*
- **Exploring User Perceptions of AI-Personalized Children's Storybooks: Insights from High School Students** *Vílchez-Lizano, E., Martínez Porras, A., Ugalde, D.*

Session: WM3 - AI for Society, Ethics, and Sustainability. Room-3
Chair: *Cesar Analide*

- **Development of Strategies to Train Deep Convolutional Models with Small Datasets from an XAI Perspective** Pérez Corona, C., Ramírez-Cruz, J., Pedroza-Méndez, B., González-Meneses, Y.
- **Explainable Diagnosis of Tool Wear in CNC Operations: A Comparative Analysis of SHAP and LIME on a Random Forest Classifier** Ribeiro, J., Analide, C., Silva, F.
- **Explainable Prediction of Orthopaedic Surgical Duration: A SHAP-Based Analysis**Lopes, J., Lobo, A., Duarte, J., Vieira Torres Santos, M., Guimarães, T.
- **Human-Supervised Generative AI in Obstetric EHRs: A Multidimensional Evaluation Framework for MedGPT/ObsCare** Bernardi, F., Bischoff, F., Ferreira, A., Ribeiro, I., Lima, V., Almeida, R., Rodrigues, D., Crista, V., Souza, J., Conceição, L., Marreiros, G., Correia, R., Freitas, A.
- **Use of Artificial Intelligence Approaches for Clinical Coding Automation of Hospital Data: A Systematic Literature Review** Souza, J., Bischoff, F., Duarte, D., Yamaguti, V., Ramalho, A., Freitas, A.

10:30 – 11:00 Coffee Break

11:00-12:45 Plenary Talks.

- **Machine Learning in Biomedicine: From Disease Gene Prediction to Drug Generation.** *Prof. Alberto Paccanaro*
- **The Identification and Design of Antimicrobial Peptides as AI Challenges**. *Prof. Carlos A. Brizuela*

12:45-14:30 Lunch

14:30 – 16:00 Technical Sessions

Session: WT1 - Learning, Data, and Generative Models. Room-1
Chair: *Alberto Freitas*

- **A Cascaded Edge AI Pipeline for Real-Time Detection and Sex Classification of Aedes aegypti on an IoT Mosquito Trap**. Pin, L., Martinez, M., Stalder, D., Schaerer, C., Reckziegel, A., González-Brítez, N., Ferreira, M.
- **Evaluating Topological Descriptors for Breast Ultrasound Image Classification**. Meza, N., Ortiz, I.
- **Generative Modeling of Spatially Distributed Objects Using a Regression Conditional WGAN**. Silva-Silverio, A., Gómez-Gil, P., Sánchez-Argüelles, D.
- **Stress-Aware Depth Supervision for Dynamic Urban Scene Reconstruction with 3D Gaussian Splatting** Chiuyari Veramendi, W., Osório, F.
- **Multi-Objective Layout Upgrade Optimization in a Real-World Onshore Wind Farm** * *Macedo, C., Meloca, L., Thom de Souza, R., Camila Lapasini Leal, G., Ruiz Aylon, L.*

Session: WT2 - Language, Communication, and Interaction. Room-2
Chair: *Luis Conceição*

- **Instructional Video Content Curation and Analysis using Knowledge Graph and Retrieval-Augmented Generation** Fernández Del Carpio, A., Mamani Anccasi, C., Casas Soto, D., Aragón Alvaro, A., Berrios Butrón, J.
- **Named Entity Recognition in the Paraguayan Agronomic Domain: A Comparative Study of Transformer Models with Automatic Speech Recognition Integration** Takeuchi, K., Fernandez, E., Sosa Cabrera, G.
- **Audio Deepfakes as a Challenge for Forensic Voice Comparison** Martínez-Sánchez, J., López-Escobedo, F.
- **Static versus Adaptive Feature Selection in Reinforcement Learning for Stock Trading: A Multi-Market Re-evaluation of ATTRPO** *de Borba Nardes, G., Wolf, D.*

Session: WT3 - Agents, Robotics, and Intelligent Environments. Room-3
Chair: *Leonardo Bermón*

- **An Agentic-AI-Assisted Development Environment for Building High-Quality Software: Model, Skills, Plugins and MCP Servers Configuration** *Duque-Mendez, N., Castro_botero, S., Collazos-Escobedo, B.*
- **Automated Fraud Detection in Public Procurement Using Multi-Agent Systems** *Marchi, J., Mazzo Heitor, M.*
- **Development of a Chatbot for Generating User Stories in Agile Software Projects** *Bermón Angarita.L, Duque-Mendez, N., Ceballos, M.*
- **Mitigating Catastrophic Forgetting in Continual Reinforcement Learning for Autonomous Driving via Mixture-of-Experts and Policy Distillation** *H. Reyna, A., Gustierrez Neves, V., Pachêco Gomes, I., Wolf, D.*

16:00 – 16:30 Coffee Break

16:30 – 17:30 Technical Sessions

Session: WT4 - Core Artificial Intelligence. Room-1
Chair: *Júlio Paredes*

- **Early Training Regimes in Neural Networks: A Leakage-Controlled and Statistically Robust Empirical Characterization** *Paredes, J.*
- **Multi-Dimensional Weighted Agreement** *Serrano-Pérez, J., Sucar, L., del Burgo, C.*
- **Beyond Boolean State Fluents** *Cabrera Rojas, A., Avilés, H., Derkinderen, V., Cozman, F.*
- **The Autocorrelation Mirage: Dependence-Aware Evaluation for Panel-Expanded Event Forecasting** *Moradi-Jamei, B., Tavasoli, A., Shakeri, H.*

Session: WT5 - Language, Communication, and Interaction. Room-2
Chair: *Júlio Martínez-Sánchez*

- **Evaluating Local Large Language Models for Pedagogical Diagnosis of VHDL/FPGA Compilation and Synthesis Errors** *Alcantara-Concepcion, T., Lomas-Barrie, V., Gómez Adorno, H., Villarreal, R.*
- **Hybrid AI for Lexicographic Knowledge Extraction** *Sierra, G., Espinoza Urzúa, E., Lázaro, J., Ojeda Tueba, S.*
- **Machine learning algorithms depict relevant patterns in texts written by patients with aphasia** *Neme, A., Aguilar, A., Murphy, P.*
- **Analyzing Memory Usage and Training Performance of Quantized Large Language Models using QLoRA** *Sastre, I., Campo, J., Rosá, A., Moncecchi, G., Dufrechou, E., Pedemonte, M.*

Session: WT6 - Agents, Robotics, and Intelligent Environments. Room-3
Chair: *Manuel Rodrigues*

- **Immersive indoor navigation with Mixed Reality and voice assistance on Meta Quest 3** Cruz Garcia, D., Garcia Gonzalez, S., Álvarez Sánchez, A., Villarrubia Gonzalez, G.
- **Improving Warehouse Environments through a Computer Vision and Load Optimization Framework for Automated Package Management** Álvarez Sánchez, A., Cruz Garcia, D., Garcia Gonzalez, S., Villarrubia Gonzalez, G.
- **Intelligent Management Framework for Shopping Cart Fleets Using Multimodal Data Fusion** Garcia Gonzalez, S., Cruz Garcia, D., Álvarez Sánchez, A., Villarrubia Gonzalez, G.
- **Stereo Vision Pipeline with Millimeter-Level Accuracy for 3D Localization of Pharmaceutical Objects in Robotic Pick-and-Place Systems** Churlis, M., Alcaraz, F., Casco, J.

Thursday 19, November

9:00 – 10:30 Registration

9:00 – 10:30 Technical Sessions

Session: TM1 - Learning, Data, and Generative Models. Room-1
Chair: *Ruben Fuentes*

- **A Machine Learning Approach for Predicting Broad-Spectrum Antivirals from Chemical Structure** *Russo, M., Galeano, D.*
- **Intelligent Breast Cancer Imaging System Using Convolutional Networks and Ant Lion Optimizer** Der Boghosian, R., Bosch, I.
- **VenomAI: A machine learning framework for predicting the effects of animal-derived proteins** *Gonzalez, M., Galeano, D.*

- **Physics-Aware Soft-Labeling for Disentangling Galaxy Structures** *Espínola Auada, A., del Burgo, C., Sucar, L.*
- **Surrogate-Assisted Micro Differential Evolution for Biomedical Hyperparameter Optimization** *Arriaga-Rangel, J., Valdez, F., Espinal, A., Guerra-Hernandez, E., Sotelo Figueroa, M.*

Session: TM2 - Language, Communication, and Interaction. Room-2
Chair: *Paulo Novais*

- **A Hysteretic Memory Architecture for Long-Running LLM Interaction: A Design Science Research Artifact** *Gala, A., Marcondes, F., Machado, J., Magalhães, J., Novais, P.*
- **An Analysis of the Performance of Large Language Models in Spanish NLI Datasets with Causal Relationships** *Perez Terán, N., R. Portela, J., Manrique Piramanrique, R.*
- **Comparing Large Language Models (LLMs) for Bilingual Guarani–Portuguese Translation** Dreissig, T., Tessele, V., Henrique Zavatini Feltrin, L., Albrecht Gava da Silva, M.
- **Neuro-Symbolic Pre-Argument Admissibility Control for LLM-Based Procurement Workflows** *Brito, L., Novais, P., Ribeiro, J.*
- **Time-blind by Design: Diagnosing Temporal Traceability in Transformer Representations** *Silva, J.*

Session: TM3 - AI for Society, Ethics, and Sustainability. Room-3
Chair: *Grissel Rodríguez-Roldán*

- **A ground-truth benchmark for explanation fidelity in mining haul-truck CO2-emission models** *Maidana, J., Reyes, M., Salinas-Letelier, N., Ruete, D., Salinas, O., Caroca, A.*
- **ADA: A Local Multi-Model Architecture for Safety Auditing in Gender-Based Violence Scenarios** *Sánchez-Moreno, V., Rodríguez-Roldán, G.*
- **Interpretable Machine Learning for Multi-Output Prediction of Mechanical Properties in Agar-Based biopolymer films** *Pérez Palmerola, D., León-Ovelar, L., Gregor, D.*
- **Interpretable Prediction of Biodiesel Cold Filter Plugging Point from FAME Composition Using Symbolic Regression** *Cantero Id, J., Alviso, D., Zárate, C.*
- **Wildfire Prediction in the Paraguayan Chaco:An Artificial Intelligence Approach.** *Moreno Schribertschnik, F., Palacios Riquelme, D., Arzamendia, M.*

10:30 – 11:00 Coffee Break

11:00-12:30 Plenary Talk *(Iberamia 2026 Career Recognition Award)*

- **Constrained Decision-Making in the Age of Generative AI.** *Prof. Miguel A. Salido*

12:30-14:30 Lunch

14:30 – 16:00 Technical Sessions

Session: TT1 - Learning, Data, and Generative Models. Room-1
Chair: *Martin Pedemonte*

- **Cascaded Deep Learning Framework for Zurich-McIntosh Sunspot Classification** *Benitez, C., Stalder, D., Cabral, J., Schaerer, C., Gomez, J., Nuñez, J.*
- **Day-Ahead Demand Forecasting for Paraguay's SIN: Diagnosing and Correcting Peak Underestimation in Gradient Boosting** *Fernández Velázquez, M., Stalder, D., Morales-Mareco, F., Salgueiro, L., Sauer, C.*
- **From Molecular Fingerprints to Transformer Embeddings: Predicting Small-Molecule Modes of Action** *Ruiz Samudio, F., Galeano, D.*
- **Lightweight Deep Learning for Drone-Based Readiness Assessment in Commercial Chrysanthemum Production** *Garzón, J., Betancur, D., Castañeda, O., Ocampo, J.*
- **Multiobjective Optimization of Water Distribution Networks Based on NSGA-II and EPANET: A Case Study in Uruguay** *Perez, J., Gamazo, P., Pedemonte, M.*

Session: TT2 - Language, Communication, and Interaction. Room-2
Chair: *Ruben Manrique*

- **Do Tools Help for Low-Resource Morphology? Guarani Morphological Transformation with LLMs** *Paiva, E., Kehler Niessen, M., Agüero-Torales, M.*
- **Think Twice for Multi-Label Emotion Detection with Large Language Models in Spanish** *Ramírez-González, M., González-Pérez, F., Rodríguez-Roldán, G., Grave, I., Gómez Adorno, H.*
- **Beyond Classification: Quantification Methods for Sentiment Analysis in Product Reviews** *Ojeda, D., Luth, L., Ortega, J., Maletzke, A.*
- **Exploring Authorial Signatures in Brazilian Modernist Poetry through Stylometric Representations Using Machine Learning** *Santos, F., Ferreira, B., Castro, P., Santos, A.*

Session: TT3 - Core Artificial Intelligence. Room-3
Chair: *Gustavo Vazquez*

- **CHAVELA1: Evolving Parameter Self-Adaptation Through Structural Epistatic Screening** *Gomez, J., León Guzmán, E.*
- **Parallel Evolutionary Clustering withSelf-Adaptive Genetic Operators** *Tamayo Rivera, J., León Guzmán, E., Gomez, J.*
- **SMQ: Synthetic Score Meta-Learning for Multiclass Quantification** *Riveros Cardus, J., Maletzke, A., Zalewski, W.*
- **Towards Algebraic Counterfactual Explanations for Molecular Property Prediction with Hyperdimensional Computing** Cravero, F., Vazquez, G.
- **Classify, Count, and Calibrate: Extending Calibration to Binary Quantifiers** *Sachini Lorena, I., Maletzke, A., Zalewski, W.*

16:00 – 16:30 Coffee Break

16:30 – 17:30 Technical Sessions

Session: TT4 - Learning, Data, and Generative Models. Room-1
Chair: *Diego Stalder*

- **A Comparative Evaluation of Bio-Inspired Hyperparameter Optimization Algorithms for Software Defect Density Prediction** *Murillo Morera, J., Fuentes Fernández, R., Cambronero Delgado, A., Calvo Vargas, A., Jadán-Guerrero, J., Arias T, S.*
- **How Much Spatial Context Is Enough? A Patient-Level Comparison of 2D and 2.5D CNN Strategies for Pneumonia Classification in Chest CT?** *Maidana Enciso, C., Pinto Roa, D.*
- **Machine Learning Algorithms for Single-IMU Gait Segmentation** *Barboza Trivero, J., Brunetti, F., Stalder, D.*
- **Machine Learning Model to Estimate the Viability of Technological Products through Customer Satisfaction Prediction** *Gonzalez Diaz, E., León Guzmán, E.*

Session: TT5 - Language, Communication, and Interaction. Room-2
Chair: *Margarita Ruiz*

- **Behavioural Reliability of Fine-Tuned LLMs in Rasa CALM Hybrid Architectures** *Alves, A., Magalhães, R., Durães, D.*
- **Multilevel Psychiatric Risk Stratification from Spanish Clinical Narratives** *Ruiz Olazar, M., Aguilera, A., Scales, C., Sosa, F., Dure, F., Ihara, D., Barán, B., Ruiz Miranda, J.*
- **The Sentiment Data Triad Model – An Overview** *Belo, O.*
- **A Modular Discourse Analysis Pipeline for Spanish Academic Writing: Towards Formative Feedback Generation** *Aviña-Corral, M., Lopez-Lopez, A.*

Session: TT6 - Core Artificial Intelligence. Room-3
Chair: *Cèsar Ferri*

- **GClus: Enforcing Explicit Size Constraints in Graph Clustering through Structural Refinement** *Vallejo-Huanga, D., Castillo, K., Jimenez, Z., Ferri Ramírez, C., Martínez-Plumed, F.*
- **Multi-Attribute Similarity Join Using Weighted Hyperdimensional Representations** *Rychtenberg, B., Cravero, F., Vazquez, G.*
- **VAQAR: An Argumentation-Based Methodology for Explainable Veracity Assessment** *Morveli Espinoza, M., Nieves, J.*
- **Critical Averaging and the Politics of Statistical Representation** *Laurenzo, T.*

Friday 20, November

9:00 – 10:30 Registration

9:00 – 10:30 Technical Sessions

Session: FM1 - Learning, Data, and Generative Models. Room-1
Chair: *Hugo Peixoto*

- **Event-Centered Short-Term Forecasting of Urban Stream Levels Comparing Statistical, Machine Learning, and Deep Learning Models in the Mburicao Stream** *Morán, F., Vargas, E., Wehrle, A., Stalder, D.*
- **Hybrid Deep Learning and Geometric Facial Analysis System for Automatic Recognition of Facia Expressions in Primates** *Olmedo, G., Bryan Ismael, A., Andrango, A., Paredes, N., Martin-Solano, S.*
- **Citrus Pest Detection and Counting via Offline Knowledge Distillation from Vision Transformers to Lightweight CNNs** *Vázquez-Velázquez, V., Lomas-Barrié, C., Loeza-Kuk, E., Escalante-Ramírez, B., Lomas-Barrie, V.*
- **Decision Threshold Strategies in Transfer Learning for Glaucoma Detection from Class-Imbalanced Fundus Images** *Aguilera-Segoviano, E., Espinal, A., Sotelo Figueroa, M., Batres-Mendoza, P., Ornelas-Rodríguez, M., Rostro-Gonzalez, H.*
- **Quantum Machine Learning in Meteorological Forecasting: A Systematic Literature Review** * *Meloca, L., Macedo, C., Machado Paes, J., Ruiz Aylon, L., Mariani, V., Thom De Souza, R.*

***Sessi*on: FM2 - Applied AI and Technology Transfer. Room-2**
Chair: *Luis Mendes Gomes*

- **A Juliet-Trained Hybrid Evaluator for CWE Detection in AI-Generated Java Code** *idallet Monges, E., Sosa Cabrera, G.*
- **Artificial Intelligence in the Assessment of Lumbar Foraminal Stenosis** *Mendes Gomes, L., Lavado, A., Miliauskaitė, J., Fernandes, A., Moleirinho, S., Machado, J.*
- **Development and Validation of Prediction Models of Sexual Function in Patients with Localized Prostate Cancer** *Lobo, M., Bismarck, F., Aguiar, S., P., S., Pinto Ferreira, D., Castro, R., Pina-Vaz, T Martins, C., Carvalho, J., Quinta Gomes, A., Nobre, P., Freitas, A.*
- **Multimodal RAG for Portuguese Industrial Maintenance Manuals: An Ablation Study** *Freitas, C., Berton, L.*
- **SELENE: Hybrid Modular Architecture for Automated Assessment and Clinical Report Generation for Mental Health in Spanish** *Zarate, M., Godoy, J., Sosa Cabrera, G.*

Session: FM3 - AI for Society, Ethics, and Sustainability. Room-3
Chair: *Paulo Novais*

- **Comparative Evaluation of NLP Models for Multi-Label Classification of Child and Adolescent Rights Violation Reports in Paraguay** *Gonzalez, M., Silva, N., Rojas Moreno, R.*
- **Compositional Optimization of RAG Pipelines for Municipal Question Answering: An Empirical Study** *Cardoso, C., Barroso, J., Pereira, M., Gomes, R., Rodrigues, M.*
- **Criminal Sentence Prediction in Paraguay: A Comparative Evaluation of Classical Algorithms and Transformer Models** *Ferreira, F., Franco, B., Rojas Moreno, R., Amarilla Closs, C., Gómez-Adorno, H.*
- **Curriculum-Adaptive Hybrid Features for Accurate and Interpretable Academic Risk Prediction** Bogado Machuca, J., Martinez, R.
- **Intelligent Environmental Management: Anomaly Detection for Dissolved Oxygen in Aeration Systems in a WWTP** *da Cruz Pereira, J., Oliveira, P., Costa, N., Rodrigues, M., Novais, P.*

11:00-12:30 Plenary Talk

- **Artificial Intelligence for Child Protection / Inteligencia Artificial para la Protección de Menores.** *Pra. Ana Lucila Sandoval Orozco*