

IEEE URUCON 2026					
Cronograma de Presentaciones Técnicas - ORAL SESSIONS					
DIA 1 - Lunes 16/11/2026					
Sesión	Sala	Inicio	Fin	Título	Autores
PES-1	1	10:00	10:20	Operational Impacts of Distributed Energy Resources on the Transmission Grid: A Brazilian Case Study	Laice Neves de Oliveira
		10:20	10:40	MILP Model for Volt-VAR Optimization on Reduced Distribution Networks with Eliminated-Node Voltage Estimation	Andrei Ferreira da Luz
		10:40	11:00	Injection-Domain Learned State Estimation for Harmonic Distribution Networks: Accuracy and Feature Attribution	Markus de Koster
		11:00	11:20	Dynamic Performance Assessment of Reduced Switching-State FCS-MPC for a Five-Level NPC Shunt Active Power Filter	Oscar Paredes
		11:20	11:40	Comparison of Grid-Following and Grid-Forming Control for Offshore Wind Farms Connected to Isolated FPSO Platform Grid	Gabriel Führ
		11:40	12:00	Two-Level Co-Design Methodology for off-Grid Renewable Hydrogen Plants: Coupling Dynamic Stability Validation and Techno-Economic Sizing	José Ignacio Afonso Varela
COMP-1	2	10:00	10:20	A Hybrid Deep Learning and Computer Vision Pipeline for Large-Scale Bus Stop Detection, Classification, and Geolocation	Cristina Mayr
		10:20	10:40	Identifying Healthcare Disparities Using Machine Learning on Large Datasets	Ravishankar Rao
		10:40	11:00	Temperamento: Canonical Text-Score Translation and Transposition Invariance in an Executable MusicXML Notation	Tomas Laurenzo
		11:00	11:20	Event-Conditional Calibration of Conformal Prediction Intervals for Urban Stream Nowcasting: Implications for High-Water Early Warning	Federico Daniel Morán Fretes
		11:20	11:40	Entity-Aware Evaluation of OCR Systems for Historical Document Transcription	Gregory Randall
		11:40	12:00	Towards a Quality Framework for AI-Assisted Authoring of Augmented Reality Assembly Instructions: Research in Progress from the KIARA Project	Yannick Klein
PES-2	1	13:20	13:40	Geographic Distribution of Renewable Generation as a Driver of Power System Flexibility Requirements: A Data-Based Assessment of the Uruguayan Power System	Eliana Cornalino
		13:40	14:00	Regional Automatic Generation Control Under Inertia Heterogeneity: A Paraguay-Argentina/Uruguay Interconnection Case Study	Juanita Arévalos
		14:00	14:20	A Newton-Raphson Power Flow Method Extension for Including Remote Voltage Bus Control Modeling	Francisco Damasceno Freitas
		14:20	14:40	BackSAV - Automatic PSSE Case Reconstruction from SCADA Historical Data	Rafael Bruno
		14:40	15:00	Estimation of the Mean Conductor Temperature of Overhead Transmission Lines Based on Synchrophasor Measurements	Facundo Nuñez
COMP-2	2	13:20	13:40	Explainable Toxicity Prediction Through XAI and Large Language Models	Magdalena Cabrera
		13:40	14:00	How Model-Driven Software Engineering Shapes Modern Enterprise Application Integration: A Systematic Review	Rafael Zancan
		14:00	14:20	Vision-Language Models for Semantic Understanding of Dynamic Objects in Autonomous UAV Simulation	Hiago Sodre
		14:20	14:40	Does Charge Conditioning Survive Distribution Shift? Measuring Conditioning Collapse in Foundation Atomistic Models on PFAS Defluorination	Diego Jaure
		14:40	15:00	Tunable Maze Complexity via Growing Trees	Dhruv Sethi

IEEE URUCON 2026					
Cronograma de Presentaciones Técnicas - ORAL SESSIONS					
DIA 2 - Martes 17/11/2026					
Sesión	Sala	Inicio	Fin	Título	Presentador/a
IM-1	1	8:00	8:20	Design and Evaluation of a 1-3 Piezocomposite for Acoustic Cavitation Sensing	Nicolás Pérez
		8:20	8:40	Assessment of the Influence of Acoustic Impedance on Ultrasonic Transmitted Signal Energy	Andres Echarri
		8:40	9:00	Numerical Optimization of Inlet Geometry for Improved Energy Utilization in a Piezoelectric Ultrasonic Particle Focusing System	Agesinaldo Matos Silva Junior
		9:00	9:20	Exploring recurrence plots and the road toward Deep Learning for ground-based solar spectral irradiance monitoring in Peru	Luis A. Conde
		9:20	9:40	Prototype for Experimental Evaluation of a Phase-Change Material for PV Heat Recovery	Luciano Becker
BIO-1	2	8:00	8:20	Dynamic Characterization of Muscle Elasticity During Vertical Jump by Surface Wave Elastography	Yamil Abraham
		8:20	8:40	Biomechanical Tissue Characterization System: Determination of Stiffness, Young's Modulus, and Hysteresis	Liliana Jorquera
		8:40	9:00	Development of a Portable Device System for Relative Positioning and Movement Estimation in Gait Analysis	Nicole Imbert
		9:00	9:20	FeelBack: Sensory Orthosis with Vibration Module for Distal Symmetric Diabetic Polyneuropathy	Lenna Zuriel Guevara Guillén
		9:20	9:40	Three-Dimensional Gait Analysis in a Patient with Bilateral Developmental Hip Dysplasia and Severe Limb Length Discrepancy: Effect of Orthopedic Compensation	Julia Isabel Iturriaga
PES-3	1	10:00	10:20	A Chained Gaussian Copula Stochastic Model for Energy Systems Operation with High Renewable Integration	Vanina Camacho
		10:20	10:40	MOP-CP: A Stochastic Mixed-Integer Optimization Model for Short-Term Hydrothermal Scheduling	Juan Mauriz
		10:40	11:00	A Reinforcement Learning Approach to Long-Term Hydrothermal Dispatch Considering Non-Conventional Renewable Energy Sources	Florencia Roque
		11:00	11:20	Battery Storage in MOP: A Stochastic Power System Operation Model	Rodrigo Porteiro
		11:20	11:40	Modeling Interruptible Demand with Deferred Energy Recovery in MOP: A Stochastic Operation Planning Model	Magdalena Iruiria
		11:40	12:00	Optimal Operation of a Green Hydrogen Plant Integrated to the Uruguayan Power System	Ruben Chaer
COMP-3	2	10:00	10:20	Evaluation of Post-Quantum-Algorithms on a Rasperry Pi Web Server	Andreas Ahrens
		10:20	10:40	Quantum Matching Preclusion of Odd Complete Graphs	Arnav Malhotra
		10:40	11:00	Evidence-Gated Thermal Model Selection for Quantum-Computing Refrigeration	Arnav Malhotra
		11:00	11:20	Open-Source Predictive Maintenance System for AC Induction Motors Using LSTM Neural Networks and Low-Cost Embedded Hardware	Juan Pedro de Leon
		11:20	11:40	Template-Constrained Code Generation and Natural-Language Readback for Voice-Commanded Drone Control	Shigeru Kashiwara
		11:40	12:00	Parkwise: A Low-Cost Edge-AI System for on-Street Parking Monitoring Using TinyML	Santiago Pérez
PES-4	1	13:20	13:40	Early Detection of Wind Turbine Main-Bearing Damage Using SCADA Data: A Comparison of Population-Based Statistical Methods, Neural Networks, and Vibration Monitoring	Roque Veloz
		13:40	14:00	Aging of Wind Turbines Through Degradation and Reliability Analysis: A Case Study	María Eugenia Fedele
		14:00	14:20	Preparing for Renewable Energy End-of-Life: Lessons from U.S. Wind and Solar Decommissioning Infrastructure	Silvana Ovaitt
		14:20	14:40	Lifetime Assessment of Second-Life Electric Vehicle Batteries for Residential Battery Energy Storage Systems Under Different Operating Scenarios	Bruno Frankenstein
		14:40	15:00	Life Cycle Assessment of Green Hydrogen Supply Chain via LOHC: Uruguay-Europe Case Study	Vitória Olave
CTRL-1	2	13:20	13:40	A ROS 2 Approach to Processor-in-the-Loop Validation and Magnetorquer Characterization for a CubeSat Attitude Determination and Control System	Juan Julio Inca Centeno
		13:40	14:00	Robust Gain-Scheduled Control for Depth of Hypnosis Regulation During Anesthesia	Nicolás Faedo
		14:00	14:20	Robust Control-Oriented Modelling for Wave Energy Converters via l_1/l_∞ Set-Membership	Nicolás Faedo
		14:20	14:40	Hybrid Control of a Knee Rehabilitation Device: Implementation and Evaluation	Lucas Handalian
		14:40	15:00	Programming Robots Through Natural Language: An Agentic AI Approach to Learning from Demonstration	Hugo Tadashi Muniz Kussaba

IEEE URUCON 2026					
Cronograma de Presentaciones Técnicas - ORAL SESSIONS					
DIA 3 - Miércoles 18/11/2026					
Sesión	Sala	Inicio	Fin	Título	Presentador/a
IM-2	1	8:00	8:20	LabVIEW-Based Signal Acquisition and Processing System for Power Quality Diagnosis Using FFT and CMWT	Juan Bautista Tiscordio Bruno
		8:20	8:40	Cumplimiento de Detectores de Tensión MT con la Norma IEC 61243-1	Germán Bardier
		8:40	9:00	A Standard Calibration System for Embedded Current Transformers	Rogelio Sandler
		9:00	9:20	Synthetic Inductor as a Calibration Standard for High Inductance Values	Leonardo Trigo
		9:20	9:40	Upgraded Nanovoltmeter Calibration System for Voltages down to 1 µV	Leonardo Trigo
BIO-2	2	8:00	8:20	EUGENIO: A Low-Cost Medical Auscultation Simulator	Juan Luis Castagnola
		8:20	8:40	Benchmarking Machine-Learning Pipelines for Immune-Related Toxicity Prediction from Clinical and Cytometric Data in a Uruguayan Patient Cohort	Candela Giménez
		8:40	9:00	ABDOPRE 2.0 to Noninvasively Reduce Intra-Abdominal Pressure, for Technology Transfer	Ignacio Oliveira
		9:00	9:20	Pancreatic Tumor Classification Using Morphological Descriptors and Recurrent Neural Networks: An Exploratory Analysis	Emilia Fender
		9:20	9:40	LTspice Thorax Simulator to Obtain Tomographic Images of Low-Resistance Area Simulated Edema	Paulina Tucci
PES-5	1	10:00	10:20	Validation of Satellite-Based Global Solar Irradiance Estimates in Southern Brazil	Felinto Sérgio Firmeza e Silva
		10:20	10:40	Impact of Irradiance Database Choice on PV Generation Estimation: A Case Study in Uruguay	Josefina Andrade
		10:40	11:00	Residential PV Grid Parity and Policy Scenarios in Peru: Multi-Regional Evidence from Field Performance Data	Vlada Pleshcheva
		11:00	11:20	Clipping-Resilient PV Performance Assessment Using Non-Parametric Effective DC Power Estimation	Jan Amaru Töfflinger
		11:20	11:40	Evaluation of Satellite-Derived Irradiance Using Multiple Sensors in a Single-Axis Tracking PV Plant	Belén Espino
		11:40	12:00	Comparación del desempeño de dos plantas fotovoltaicas de 50 MW en el noroeste de Uruguay: paneles fijos vs. seguimiento de un eje	Sandino Reherrmann
EDU-1	2	10:00	10:20	An Experimental Study of LLM-Assisted Learning in an Undergraduate Electrical Engineering Course	Germán Capdehourat
		10:20	10:40	Sustainable and Responsible STEM Education Through Software-Defined Radio	Claudina Rattaro
		10:40	11:00	A Non-Expert Protocol for Evaluating Accessibility of Tangible Educational Technologies	María Josefina Martínez-Calero
		11:00	11:20	Diagnosis of Student Participation and Barriers in Undergraduate Energy Engineering Research	Gabriela Gonzalez Troche
		11:20	11:40	New Concerns on Engineering Education in the New AI Scenario	José Dias Pereira
		11:40	12:00	An Immersive VR Laboratory with an AI Tutor for Teaching Electric Fields in Engineering Education	Nicolás Sapriza
COMM-1	1	13:20	13:40	Gr-PON: A GNU Radio-Based G-PON PCBd Demodulator	Lucas Inglés
		13:40	14:00	A Standalone Nios II Migration Methodology for FPGA-Based Embedded Systems	Daniel Abisaid Hernández Hernández
		14:00	14:20	Wi-Fi HaLow Usage for Distributed IoT Sensing: A Palm Monitoring Case Study	Guillermo Regueira
		14:20	14:40	Unveiling the Autonomous System Graph of the Internet from the BGP AS PATH Attribute	Carlos Martinez-Cagnazzo
		14:40	15:00	Opportunistic Networks Model and the Network Reliability Problem	Jorge Visca
CTRL-2	2	13:20	13:40	Transient State Preservation of a Dissipative Qubit via Lyapunov Control	Ilan Sabaj
		13:40	14:00	Adjacency-Based Spectral Proxy Control of Mobile Communication Agents	Mariana del Castillo
		14:00	14:20	Wind-Speed-Sensorless Fuzzy-Logic Maximum Power Point Tracking for a PMSG-Based Wind Energy Conversion System	Agesimaldo Matos Silva Junior
		14:20	14:40	Control-Oriented Modeling of a Vanadium Redox Flow Battery System	Mateo Zappettini
		14:40	15:00	Reduced-Order Modeling of a Solid Oxide Fuel Cell via Steady-State-Based Moment Matching	Valentin Mateo Graselli
PES-6	2	16:30	16:50	Economic Aspects of Mobility: The Transition Toward Decarbonization of the Transport Sector and Its Impact on ANCAP, UTE and the General Revenues of the State	Mariana Scala Fleitas
		16:50	17:10	Multi-Frequency Hosting Capacity Analysis of MV Distribution Network for EV Fast Charging Stations	Jorge Enrique Cárdenas Bravo
		17:10	17:30	A Comparative Assessment of Adaptive and Fixed-Pickup Strategies Based on Pre-Fault Currents and Relay Operating Times for High PVDG and EV Penetration Scenarios	Antônio Barbosa Neto
		17:30	17:50	Hybrid Solution for Fast Charging: Grid and Reused Battery Integration	Sebastian Bibiloni
		17:50	18:10	Control-Oriented Thermal Model Reduction of LiFePO4 Battery Packs via Moment Matching	Benjamin Gubkien

#	Topico	Título	Presentador/a
1	PES	Optimal Gap Filling in Data Series Using the CEGH Model	Ruben Chaer
2	PES	Mingo-RL: A Reinforcement Learning Tool for Generation Expansion Planning in the Uruguayan Power System Using Surrogate Models	Guillermo Dück
3	PES	Integrating Transmission Network Constraints into MOP: A Stochastic Power-System Operation Model	Brandon Martinez
4	PES	Modeling Natural Gas Constraints in SimSEE for Multi-Country Stochastic Dispatch: The Vaca Muerta Impact	Ruben Chaer
5	PES	Optimal Dispatch Considering Voltage and Transmission Network Loading Restrictions	Martina Monticelli
6	PES	Does Renewable Curtailment Influence Future Electricity Prices? Evidence from the Spanish Day-Ahead Market	Diego Fernández Saborido
7	PES	Annual-Horizon Hourly Load Forecasting for CNEL-EP Guayas-Los Ríos Using SCADA and Weather Data	Jordy Lima Poma
8	PES	Georeferenced Feeder-Level Assessment of Electric Service Continuity Using GIS-Integrated Power Utility Data: A Brazilian Case Study	Andrei Ferreira da Luz
9	PES	Random Forest and Linear SVM Variants for Recall-Oriented Non-Technical Loss Detection with Leakage-Free Threshold Selection	Alexandre Augusto Angelo de Souza
10	PES	Evaluation of Grid Support Technologies for Reverse Power Flow Mitigation in Boundary Transformers Under Different DG Penetration Scenarios	Cristian Felipe Ardila Duran
11	PES	Performance Evaluation of Generalized Alpha Plane-Based Line Current Differential Protection for AC Transmission Lines Adjacent to an LCC-HVDC System	Luiz Eduardo Paranhos Gouvea
12	PES	Disposición en tresbolillo de sistemas de barras rígidas. Análisis matemático de las fuerzas electromagnéticas producidas por cortocircuitos trifásicos.	Horacio M. Frene
13	PES	Hybrid Time-Frequency Approach for Real-Time Detection of Supraharmonic Emissions in High-Frequency Power Converters from 2 kHz and 150 kHz	Nandinii Barbosa-Cendejas
14	PES	Hybrid Nonisolated Multiport DC-AC Converter Based on a PWM-Switched-Capacitor DC-DC Stage	Cindy Jireth Ortiz Gamba
15	PES	Flying-Capacitor-Assisted Three-Level Rectifier for Bipolar Applications	Wilmar P. Castiblanco
16	PES	Power Loss Prediction of Semiconductor Switches on HIL Devices	Victor Manuel Riva de Oliveira
17	BIO	A Low-Cost Myoelectric Transhumeral Prosthesis: Design and Preliminary Characterization	Renato Sosa Machado
18	BIO	Plantar Thermography Specification for Diabetic Foot Evaluation	Yamila Bermúdez
19	BIO	Quantification of PET/CT Heterogeneity Through Texture Characterization Metrics	Sofia Polentarutti
20	BIO	A Proposed Low-Cost Adaptation of the DINABANG Dynamometer for Achilles Tendon Shear Wave Tensiometry	Enzo Constanzo
21	BIO	3D Slicer Open-Source Volumetric Reconstruction from Standard 2D Ultrasound	Natalia Suarez
22	BIO	Step Length and Step Width from Two Foot-Mounted Inertial Sensors and a Single Range Channel	Diego Barboza
23	BIO	A multiparametric bone-on-a-chip platform enables integrated characterization of extracellular matrix and cellular remodeling in diabetic bone disease	Verónica Sosa-Castellano
24	BIO	Beyond Maintenance: Towards an Integrated Governance Model for Medical Technology Management in Clinical Engineering Departments	Pedro Brizuela Cabal
25	BIO	Development and Validation of a Diffusion-Based Optical Model for Non-Invasive Intra-Abdominal Pressure Monitoring Using Near-Infrared Reflectometry	Marcelo David
26	BIO	Control de Calidad Automatizado en Tomografía Computarizada mediante Procesamiento DICOM	Agustina Nappa
27	BIO	An Electrochemical Impedance Spectroscopy Platform for Corrosion Characterization in Active Implantable Medical Devices	Bruno Cuore
28	C&S	Hub de Electrónica y Semiconductores	Alfredo Arnaud
29	C&S	Long-Term Field Validation of a Solar-Powered Remote Station for Oceanographic Monitoring	Matias Garcia
30	C&S	NeuroSoC: Integration of the nRF5340 SoC into a Neurostimulation Platform	Mauricio Guerrero
31	C&S	An IoT Monitoring and Control Architecture for Indoor Mushroom Cultivation	Leandro Shiromizu
32	C&S	Low-Power Oceanographic Data Acquisition System with LTE-M Cellular Connectivity for Environmental Monitoring in Protected Areas	Rodrigo Bottero
33	C&S	Diseño de una plataforma experimental para ecualización activa de celdas de litio	Sebastián Ezequiel García
34	COMM	A 5G O-RAN Simulation Framework for Developing Monitoring and Reinforcement Learning xApps	Lourdes Conti
35	COMM	A 5G Testbed for Quality of Experience Assessment in Virtual Reality	Jose Joskowicz
36	COMM	Analysis of Slot Impact on Vivaldi Antennas for Millimeter-Wave and Sub-6 GHz Bands	Marco Coronato
37	COMM	A Distilled Water Based Patch Antenna	Benigno Rodríguez Díaz
38	COMM	RSSI-PDR Decoupling in a near-Ground ESP-NOW Long-Range Link with PCB Yagi-Uda Antennas for Rural Energy Telemetry	Fabio Schmitt Avelino
39	EDU	When Science Meets Art: From Computational Fluid Dynamics Simulation to Creative Technology	Blas Melissari
40	EDU	Bloco: An Accessible Tangible Programming System for Visually Impaired Students Powered by Large Multimodal Models	María Josefina Martínez-Calero
41	EDU	Perspectives of a Panel of Students, Mentors, and Faculty on the First-Semester Engineering Experience	Maite Korona
42	EDU	Integrating Open Source Ecosystems into Software Engineering Education Courses	Marcelo Guerra Hahn
43	EDU	From Learners to Co-Creators: The Remote Lab Challenge as a Co-Creative Approach to Developing Remote Laboratories	Bianca Griech

IEEE URUCON 2026			
Cronograma de Presentaciones Técnicas - POSTER SESSION #2			
DIA 2 - Martes 17/11/2026			
#	Tópico	Título	Presentador/a
1	PES	Python-Based Tool for Electrical Parameter Calculation of Submarine Power Cables in Offshore Power Systems	Flavio Lemos
2	PES	Modeling and Simulation of Switchgear Dielectric Breakdown in Wind Power Plants	Antônio Leydson Pitombeira Xavier
3	PES	An Integrated Methodology for Wave Energy Resource Assessment and Onshore Converter Selection on the Uruguayan Coast	María Victoria Arduino
4	PES	Circular-Economy Pilot- Producing Green Hydrogen from Groundwater Seepage to Generate Green Thermal Backup Power	José Daniel Fernández Viñoli
5	PES	Proposed Hydrogen-Based Microgrid for Enhanced Electrical Resilience of a Water Treatment Plant: A Techno-Economic Analysis	Flavio Eduardo Soares e Silva
6	PES	Effect of the Applied Current on an Electrochemical Hydrogen Compressor and Its Impact on Energy Efficiency	José Pineda
7	PES	Separating Operational Exposure from Diagnostic Conditions in Second-Life Batteries: A Leakage-Aware Assessment of C/20 Capacity and HPPC/R0	Sérgio Frederico Pires Dias
8	PES	Dispatch- and Siting-Dependent Effects of Energy Storage on Losses in Distribution Systems with Distributed Generation	Emanuel Antunes
9	PES	Enabling Grid-Integrated Hybrid Battery Swapping Stations Through an Interoperable Communication Architecture	Henrique Horquen Martins
10	PES	Technical Impacts of Large-Scale Electric Vehicle Integration into Distribution Networks: A Systematic Literature Review	Mauricio Cordero
11	PES	What Changes are Expected in Energy Demand to Achieve a New Mobility?	Mariana Scala Fleitas
12	PES	Economic Feasibility Study of an Electric Mini Excavator: A Total Cost of Ownership Case Study	Justino Romano
13	PES	Energy Efficiency in Vehicle Assembly Plants: A Bibliometric Study of the Last 20 Years (2005 - 2025)	Joselyn Pazmay
14	PES	Integrated Diagnosis of Energy Efficiency, Asset Management, and ESG in a Shrimp Processing Industry	Letícia Maria de Andrade
15	PES	Variability of Nitrogen Oxides Emissions in Internal Combustion Engines for Electric Power Generation	Victoria Aguirre
16	COMP	Graph-Based Coverage Path Planning for Ground Robots in Row-Structured Agricultural Inspection	Emiliano Gonzalez
17	COMP	An InfluxDB-Based Architecture for Memory Efficient Management of Large Scale Power System Simulation Outputs	Matías Rama
18	COMP	Provenance Granularity and Executable Constraints in a Fragment-Based Computational Memorial	Tomas Laurenzo
19	COMP	Behind the Padlock: Exposing HTTPS Inspection to End Users	José Adrien
20	COMP	Making SQL Query Optimization Explainable	Bernardo Rychtenberg
21	COMP	Jabuti Monitoring System: An Event-Driven Middleware for Smart Contract Execution	Mailson Teles-Borges
22	COMP	From Prompt to State: Verifiable Grounding and Operative Replay for LLM-Mediated Control	Tomas Laurenzo
23	COMP	A Runtime Workflow for Ensuring Integrity, Correctness and Privacy in LLM-Based Q&A Agentic Systems	Juan Andrés Rodríguez
24	COMP	Reducing Annotation Cost in Weed Detection with Diffusion Augmentation and Deep Active Learning	Steven Estramil
25	COMP	Multimodal Cattle Weight Estimation: A Cost-Performance Analysis of Sensing Modalities, Camera Viewpoints, and Sensor Configurations	Luis E. dos Santos
26	COMP	Joint State of Charge and State of Health Estimation in Second-Life Lithium-Ion Batteries	Josefina Maria Duvidovich
27	COMP	Building-Footprint Segmentation in Geospatial Imagery with Contour-Length Regularization	Alfonso Irazabal-Levy
28	COMP	NEO X: Architecture of Self-Operating and Anti-Fragile National Systems	Adan Ramalho
29	COMP	From Bug Hunter to Customer Advocate: Integrating Quality Experience (QX) in Undergraduate Software Projects	Ana González Lamé
30	COMP	Beyond Accuracy: Auditability as a Model-Selection Criterion for Researcher-in-the-Loop Qualitative Research	Facundo Iraola Dopazo
31	COMP	Formalizing Extractability in Large Language Models	Matías Carrasco
32	COMP	Exploración del compromiso recall-precision en reetiquetado iterativo guiado por predicciones Out-of-Fold	Antonella Prado
33	COMP	Towards 100 FPS Real-Time Multi-Camera Markerless 3D Human Pose Estimation via Edge Devices: Accuracy as a Function of Camera Count and Geometry	Juan Ottonelli
34	COMP	Motor para la generación de calculadoras de análisis de riesgo clínico	Raquel Sosa
35	COMP	Audio-Based Unsupervised Anomaly Detection for Industrial Machines Using Deep Learning	Clara Echeverría
36	SP	Statistical Comparison of ResNet50 and VGG19 for Corn Leaf Disease Classification: Effects of Data Augmentation and Fine-Tuning	Romina Rodríguez
37	SP	RGB-D Based Computer Vision Pipeline for Vineyard Yield Estimation Using Geometric Feature Extraction and Machine Learning	Tomás Nieves
38	SP	Surrogate-Based Inversion of Oil-Air Interface Height from Through-Transmission Ultrasound	Agesimaldo Matos Silva Junior
39	SP	Seasonal Assessment of Urban Heat Islands in Durazno, Uruguay, via in Situ and Remote Sensing	Lorena De Los Santos
40	SP	Projection-Based Feature Learning from Ultrasonic Signals for Liquid-Liquid Interface Height Sensing	Agesimaldo Matos Silva Junior

IEEE URUCON 2026			
Cronograma de Presentaciones Técnicas - POSTER SESSION #3			
DIA 3 - Miércoles 18/11/2026			
#	Tópico	Título	Presentador/a
1	PES	Weather Regimes and Wind Droughts in Uruguay: A Synoptic Analysis	Santiago de Mello
2	PES	Evaluation of FARMS-NIT Solar Spectral Irradiance Estimates in Uruguay Using Band-Integrated Irradiance and Average Photon Energy	Juan Martín Pereyra
3	PES	Spectral Analysis of Solar Radiation Components During Overirradiance Events in Natal, Brazil	Alan Rodrigues de Sousa
4	PES	Meteorological Conditions Associated with Solar Overirradiance Events Across Distinct Climatic Regions of Brazil	Samira de Azevedo Santos Emiliavaca
5	PES	Characterization of Solar Resource Availability and Variability in Different Climatic Regions of Brazil Using Typical Meteorological Year (TMY) Data	Ana Cleide Bezerra Amorim
6	PES	A Method for Estimating Nation-Wide Photovoltaic Generation from Site-Specific Satellite-Based Solar Irradiance Data	Vivian Teixeira-Branco
7	PES	Modeling and Assessment of the Impact of Cloud Cover on Photovoltaic Solar Power Plants	Belén Espino
8	PES	Evaluation of Strategies for the Implementation of Artificial Intelligence Models for the Monitoring of the Performance of Photovoltaic Solar Parks	Facundo Rodríguez Nuin
9	PES	Automatic Soiling Detection System in Photovoltaic Panels Using Computer Vision	Agustina Piantkoski Gomez
10	PES	Desarrollo y validación de un sistema de detección de fallas en instalaciones agrofotovoltaicas	Lucas Schiavoni
11	PES	Field Evaluation of SunSpec Edge Telemetry as a Data Layer for Energy and Asset Management	Gabriel Antônio Massuyama
12	PES	Remote Characterization of Net-Exchange States and Power-Quality Events in Photovoltaic Prosumer Campuses: A Three-Site Study in the Brazilian Amazon with PGEN	Gabriel Antônio Massuyama
13	PES	Modeling, Simulation, and Techno-Economic and Environmental Feasibility Assessment of Photovoltaic Generation in a Brazilian Municipal Public Sector	Frederico Barbieri Lima Filho
14	PES	Analysis of Operational Scenarios and Mitigation of Photovoltaic Generation Impacts Using Battery Energy Storage Systems in a University Campus Microgrid	Cintia de Cassia Sousa Pereira
15	PES	Power Flow Simulation and Analysis Using the Newton-Raphson Method: Integration of a 4 MW/8 MWh BESS into an Industrial Facility with Photovoltaic Generation	Leticia Maria de Andrade
16	PES	Experimental Evaluation of Solar Carrot Drying (Daucus Carota L.) in Direct and Mixed-Mode Dryers Under Varying Irradiance Conditions	Ilaria Barbierato
17	PES	A Hybrid Dual-Axis Solar Tracking System for Solar Biomass Slow Pyrolysis	Francisco Masseillot Aranda
18	IM	SYLV-IA: Low-Cost Thermal Vision and Pattern Recognition for Autonomous Plant Stress Monitoring	Paulina Beltramelli
19	IM	Digitally Assisted Analog Front-End for Geophone Instrumentation	Elías D. Álvarez
20	IM	Digital Meter for Calibration of Standard Inductors	Leonardo Trigo
21	IM	Mechatronic Refurbishment and Experimental Verification of Cyclic Triaxial and Indirect Tensile Test Systems for Pavement Materials	Mauricio Negrin
22	IM	Characterization and Modeling of Noise in Electrochemical Gas Sensors	Rafael Puyol
23	IM	Numerical Evaluation of a Traveling Wave Acoustic Microparticle Separation Cell: Effect of Particle Radius and Inlet Velocity	Agesimaldo Matos Silva Junior
24	IM	Cyclic Mechanical Testing Using a Stepper Motor System for Granular Media and Photoelasticity	Camila Sedofeito
25	IM	Low-Cost Data Acquisition System and Software Suite for Standardized Vibration Testing	Juan Bautista Ochoteco Roca
26	IM	A Robust Image Acquisition Infrastructure in Remote Pasture-Based Dairy Systems	Denis Genero
27	IM	Development and Integration of a Soft Facial Skin for an Animatronic Robot	Julieta Sarasúa
28	IM	Design and Implementation of an Autonomous Two-Axis Solar Tracking System for the Paraguayan e-CALLISTO Station	Mauricio Romero
29	CTRL	BatiScan: Sistema de Relevamiento Batimétrico de Bajo Costo Basado en Vehículos No Tripulados	Estéfano Bargas
30	CTRL	Implementation of a single-screw extruder for the production of filament for 3D printing using recycled PET plastic	Belen Boado
31	CTRL	Desarrollo de un prototipo de un sistema automatizado de alimentación e hidratación para ganado con monitoreo remoto a medianos y pequeños productores.	Rodrigo Karlen
32	CTRL	Hardware-in-the-Loop (HIL) Simulator Prototype for Testing Hydraulic Turbine Speed Governors Based on the IEC 60308:2024 Standard	Miguel Duarte Cristaldo
33	CTRL	Model-Based Transparency Analysis of a Local 1-DoF Position-Force Bilateral Teleoperator	Maximiliano Silva
34	CTRL	Supervisory Model for Tire Dynamic Condition in a Racing Single-Seater	Mariana Lecor
35	CTRL	Model Predictive Control Based on Physics-Informed Neural Networks of an Articulated Robotic Arm	Rodrigo Baliosian
36	CTRL	A Parametric Workflow for the Design and Aerodynamic Optimization of Flying-Wing UAVs	Hiago Sodre
37	CTRL	Modelling of a convolutional neural network-fuzzy-based efficient diagnosis of slurry transport	Luis Delfin Rojas Purón
38	COMP	An Animatronic Robotic Platform with a Modular Framework for Human–Robot Interaction	Pablo Moraes
39	TEMS	Bioenergy Recycling in Sanitary Landfills: Assessment of Biomethane Potential for Decarbonizing Public-Sector Heavy-Duty Fleets	André Lucas Boniolo de Freitas
40	TEMS	Cleaner Production and Operational Efficiency in Automotive Manufacturing: A Bibliometric Assessment	Martina Anda Mayorga
41	TEMS	Machine Learning for Predictive Maintenance of Medical Devices: A Rapid Scoping Review of Methods, Data Sources, and Validation	Otoniel Lorenzo
42	TEMS	Health-System Vulnerability to Dengue: A Scoping Review of Indicators and Frameworks	Mayté Pereyra
43	TEMS	Separating Exploration from Construction: A Two-Cycle SDLC Model for Greenfield Projects with AI Coding Agents	Martin Mari
44	TEMS	From Technical Tool to Organizational Capability: A Case Study of GIS-Based Asset Management in the Oil and Gas Industry	Davor Labas