Martes 10 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
7:30 - 8:00	**Registro de participantes**		
8:00 - 8:30	**Inauguración: Eduardo Alfonso Crissien Borrero - Rector; Henry Maury Ardila - Vicerrector de Ciencia, Tecnología e Innovación; Luis Hernández Callejo - Director Congreso CITIES.**		
8:30 - 8:45	"Innovación Tecnológica para el Aprovechamiento del Potencial Eólico en Zonas Costeras de Colombia: Avances y Resultados Parciales de Investigación", Adalberto Ospino Castro		
8:45 - 9:00	Mompox Inteligente: Referente a nivel nacional de Smart City e innovación: Nohora Mercado Caruso - Secretaría TIC Departamento de Bolívar		
9:00 - 9:15	Sergio De La Rosa Montiel, Belem Gabriela Hernández Jaimes, Víctor Hugo Pacheco Valencia, Felipe Bonilla-Sanchez and Elmer Iván Sánchez Rabadán	36 - Leadership Style Classification Using Artificial Intelligence: A Smart Cities Perspective	Social Sustainability (Track Chair: Oscar Izquierdo Monge)
9:15 - 9:30	Maria Clara Gómez Álvarez and Gina Maestre-Góngora	67 - Design Thinking and Generative AI for Sustainability-Oriented Software Engineering Education	
9:30 - 9:45	Fanny Lizbeth Carrillo Jiménez and Cassandra Pescador Canales	94 - Renewable Energy: An Ethical Evaluation	
9:45 - 10:00	Susana Gómez Redondo, Lilian Johanna Obregón and Anabel Paramá Díaz	109 - School embedded in the territory: a STEAM inquiry proposal for ecological and socio-educational sustainability in rural contexts	
10:00 - 10:15	**Receso para café**		
10:15 - 10:30	Gabriel Silva Atencio	12 - A Framework for Co-Optimizing API Design and Cloud Deployment to Minimize Carbon Emissions	Smart Environment (Track Chair: Pedro Moreno Bernal)
10:30 - 10:45	Ruby Sheila Gines Palestino, José María Rivera Villanueva, Lidia Elena Chiñas Rojas and Agileo Hernández Gordillo	23 - Sustainable technology based on the green synthesis of Co-BTC for the treatment of industrial wastewater in smart and sustainable cities	
10:45 - 11:00	Paola Risso, Elvio Fernandez and Eduardo Ortigoza	46 - Solid Waste Management in Universities: A Systematic Review (2020 - 2025)	
11:00 - 11:15	Jorge López-Rebollo, Junior A. Calvo Montañez and Gustavo Hernández-Herráez	73 - Operational Early Warning System for Urban Flood Anticipation Integrating Remote Sensing and Numerical Weather Prediction: The Case of Ávila, Spain	

Martes 10 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
11:15 - 11:30	Carlos Julio Hernández Pérez and Jorge López-Rebollo	77 - Urban Flood Hazard Assessment In El Portal, Spain: 2D Hydrodynamic Modelling Validated Through Remote Sensing	
11:30 - 11:45	Angela Grijalba Castro and Leonardo Ramirez Lopez	90 - Modelo de planeación inteligente para ciudades emergentes: Integridad sistémica de sostenibilidad y resiliencia	
11:45 - 12:00	Lorena De Los Santos, Juan Sebastian Blandon and Yesica Ramirez Flores	111 - Sensor-Based Forecasting of Urban Heat Island Intensity for Smart Cities	
12:00- 13:00	**Almuerzo**		
13:00 - 13:15	Ángel Hernández Jiménez, Oscar Izquierdo-Monge, Marta Lafuente Cacho, Paula Peña-Carro and Gabriely Amarilys Silva-Adrián	22 - Inercia Virtual vs. Control Droop: Evaluación del Desempeño en la Estabilización Dinámica de Redes Eléctricas de Alta Tensión	Smart industry & Smart Grids (Track Chair: Diego Rossit)
13:15 - 13:30	Jesús del Carmen Peralta-Abarca, Diego Rossit and Daniel Rossit	39 - From Lean 4.0 to Lean 5.0: A Systematic Mapping of Information and Decision Logic with an Ibero-American Perspective	
13:30 - 13:45	Axel Ríos, Nicolás Goycoechea, Sergio Nesmachnow and Diego Rossit	85 - Surrogate-assisted multiobjective optimization of a circular-economy process for methyl lactate production	
13:45 - 14:00	André Bermond, Jorge Antunes and Vanessa Guimarães	155 - Decision Support Systems in Supply Chain Control Towers: A Network DEA Approach	
14:00 - 14:15	Marco Zunino and Sergio Nesmachnow	156 - Smart City Logistics: Evolutionary Wave Order Picking in High-Throughput Warehouses	
14:15 - 14:30	Maria Jose Campoverde, Alejandro Dupont Guerrero, Andres Felipe Valle Gonzalez, Alberto Redondo Plaza, Mario Eduardo Carbonó Dela Rosa, José Ignacio Morales Aragonés and Luis Hernández Callejo	14 - Laboratory Test Bench for Multispectral Inspection and Defect Detection in Photovoltaic Cells	

Martes 10 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
14:30 - 14:45	Roberto Flores, Nadia Lara, Belem Gabriela Hernández-Jaimes, Rogelio Sotelo-Boyás and Raúl Misael Velázquez-Medina	27 - Cybersecurity for industrial chemical plants in smart cities	
14:45	**Fin de actividades**		

Martes 10 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
7:30 - 8:00	**Registro de participantes**		
8:00 - 8:30	**Inauguración del evento en el auditorio principal**		
8:30 - 9:00			
9:00 - 9:15	Diego Alberto Godoy, Enrique Marcelo Albornoz, Gian Cortese and Julián Alejandro Lange	7 - An Automatic Parking Management System Using Computer Vision and the YOLO Neural Network	Urban informatics (Track Chair: Alberto Redondo Plaza)
9:15 - 9:30	Gisella Luisa Elena Maquen Niño, Luis Fernando Cerna-Bances, Julián Gabriel Arnao Zambrano, Ivan Adrianzén-Olano, Jessie Leila Bravo-Jaico and Roger Ernesto Alarcón García	18 - A Web-Based Real-Time Translation System for Peruvian Sign Language Using a Soft-Voting Ensemble of Machine Learning Models	

Martes 10 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
9:30 - 9:45	Antonio Alfonso Barreda Luna, Jorge Armando Ramírez Díaz, Juvenal Rodríguez-Reséndiz and Ilse Cervantes Camacho	64 - Where fatality enters the record: auditing insurer, transit-authority and prosecutor data against the geography of road deaths in two Mexican states	
9:45 - 10:00	Geraldine Margarita Pomares Meza, Andrés Mauricio Vélez Pereira and Eliana Lizeth Vergara Vásquez	95 - Process-Conditioned Precipitation Frequency Analysis for Data-Informed Urban Flood Planning: A Systematic Review	
10:00 - 10:15	**Receso para café**		
10:15 - 10:30	Amin Yahya-Khotbehsara and Carlos Meza	103 - Quantifying Photovoltaic Potential and Obstruction Penalties in Historic Urban Canyons	Urban informatics (Track Chair: Amy Zulema Velasco Bonilla)
10:30 - 10:45	Angie Lorena Arango, Johannio Marulanda and Peter Thomson	107 - A Big Data Framework for Wind Data Analysis: Application to the Colombian Pacific Region	
10:45 - 11:00	Diego Alberto Godoy, Javier Díaz and Luis Marrone	108 - Integrated Open-Source SDI–BI Architecture for a Road Safety Observatory	
11:00 - 11:15	Alfredo Raya, Marco Antonio Solís Zavala, Antonio Ulises Sáenz-Trujillo, Galileo Tinoco-Santillán and Itzel Luviano Soto	126 - Ground Truth from Above: Pairing a Custom Quadrotor with Image Based Regression for Particulate Matter Estimation in Morelia	
11:15 - 11:30	Antonio Ulises Sáenz-Trujillo, Itzel Luviano Soto, Juan Anzures-Marin, Geovani Carlo Flores-Fernández, Alfredo Raya and Galileo Tinoco-Santillán	127 - Automatic Detection of Dampness and Cracks on Rooftops via Computer Vision and YOLOv8 from Drone-Captured Images	
11:30 - 11:45	Rodrigo Hernández-Barba, Patricia Martín-Castillo and Jamal Toutouh	147 - The Málaga Reservoir Dataset: An Open Resource for Data-Driven Water Management	

Martes 10 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
11:45 - 12:00	Francisco José Sedeño and Jamal Toutouh	149 - Multi-Objective Evolutionary Semi-Supervised Learning for Resource-Aware Smart City Classification	
12:00- 13:00	**Almuerzo**		
13:00 - 13:15	Jamal Toutouh, Renzo Massobrio, Sergio Nesmachnow and Sergio Pérez	152 - From Static Design to Adaptive Operation: Optimization Across the Sewer System Lifecycle	Urban informatics (Track Chair: José Ignacio Morales Aragonés)
13:15 - 13:30	João Luiz Rosso Izidoro, Gabriela Rocha Roque, Carlos Antônio Ferreira, João Mota Neto and Marcos Antonio Jeremias Coelho	140 - Comparison of Neural Networks for Horizontal Road Marking Recognition Aimed at Autonomous Mobility	
13:30 - 13:45	Alexis Tcach, Rodrigo Castro and Esteban Mocskos	162 - Performance Study of the CB-AQM Class-Based Packet Prioritization Scheme in Relevant Disaster Area Network Scenarios	
13:45 - 14:00	Camilo Pereira, Cristian Rueda, Cristian Ruiz and David Romo-Bucheli	167 - Modelos de Aprendizaje Profundo Basados en Grafos para la Predicción Espacio-temporal de la Calidad del Aire	
14:00 - 14:15	Sinuhé Ginés Palestino, Eduardo Roldán Reyes, Marcela Quiroz Castellanos and Paulo Nazareno Maia Sampaio	5 - A New Adaptive Search Mechanism of the Firefly Algorithm for Optimizing the K-means in Clustering Analysis of High-Dimensional Data	Other developments (Track Chair: José Ignacio Morales Aragonés)
14:15 - 14:30	Caio Lucarelli, Bruna Fontes and Joyce Correna Carlo	17 - Thermal Activation of Shape-Memory Auxetic Metamaterials	
14:30 - 14:45	Martín Berguer, Javier Baliosian, Andrés González, Sergio Nesmachnow and Diego Rossit	45 - Multiobjective Optimization of the Trade-off Between Performance and Fatigue in Youth Football	
14:45	**Fin de actividades**		

Miércoles 11 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
7:50 - 8:00	**Bienvenida**		
8:00 - 8:15	Leonardo Perez Cortes	44 - EANMOB: plataforma de movilidad compartida hiperlocal para comunidades organizacionales	Smart Mobility (Track Chair: Vanessa de Almeida Guimarães)
8:15 - 8:30	Emilio Reyes-Schade, Samuel Padilla-Llano, Felipe Orellana Muñoz and Ayman Imam	81 - (Re)qualification and Articulation of Consolidated Urban Territories: A Research by Design Approach to the Relationship between Public Space and Surface-Guided Public Transport in Barranquilla	
8:30 - 8:45	John Barco-Jiménez	89 - A hybrid consumption model for small electric river boats: analytical physics, recurrent neural residual correction, and selection of the analytical base	
8:45 - 9:00	Carolina Durán Negrete	101 - Regulating the Ecosystem, Not Just the Vehicle: A Proposed Minimum Regulatory Framework for the Deployment of Connected and Automated Vehicles in Smart Cities	
9:00 - 9:15	Said Mercado Teran, Rafael Campos Amezcua and Eder Gibrain Ricoy Zárate	117 - Estudio de factibilidad energética de un sistema de recuperación de energía de un vehículo eléctrico	
9:15 - 9:30	Adriana Novoa, Daniel J. Vargas, Rubén Saborido, Gabriel Luque and Jamal Toutouh	124 - Predictive Multi-Objective Parking Routing in Urban Areas	
9:30 - 9:45	Juan Anzurez, Alfredo Raya, Manuel Elías Pech-Dzul, Jorge Daniel Ríos-Arranaga, Nandinii Barbosa-Cendejas and Israel Luna-Reyes	129 - A Comparison of LMI-Based PDC and Fuzzy Sliding Mode Control for Trajectory Tracking of a Differential-Drive Robot: Performance and Certified Region	

Miércoles 11 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
9:45 - 10:00	Luiz Henrique Moraes Silva, Gabriela Rocha Roque, Jovani Castelan, João Mota Neto and Marcos Antonio Jeremias Coelho	141 - Comparative Evaluation of Deep Learning Architectures for Autonomous Navigation in a Scale-Reduced Vehicle	
10:00 - 10:15	**Receso para café**		
10:15 - 10:30	Ricardo Carvajal-Arango, Gilberto Osorio-Gomez and Paula Escudero	13 - A Conceptual Agent-Based Model for Unmanaged Charging in Electric Freight Depots	Renewable energies in electrical systems (Track Chair: Carlos Enrique Torres Aguilar)
10:30 - 10:45	Wilmer Sandino Sandoval, Oscar Danilo Montoya Giraldo and Henry Ibañez Olaya	41 - Enhancing Power System Stability with Photovoltaic Integration Using Synchronous Condensers	
10:45 - 11:00	José de Jesús Ramírez Pradillo	75 - Multicriteria selection of wind turbines using a hybrid AHP-TOPSIS methodology for wind farm design.	
11:00 - 11:15	Siwoo Lee, Carlos Meza and Matthias Ebert	102 - Assessing Vehicle-to-Grid Capabilities for Improving Photovoltaic Plant Utilization Under Stochastic Electric Vehicle Availability	
11:15 - 11:30	Maria Alejandra Castro Rodriguez, Carlos Andres Ramos Paja and Elkin Edilberto Henao Bravo	137 - Adaptive capacitor for low-frequency ripple mitigation based on the NEC converter	
11:30 - 11:45	Amy-Zulema Velasco-Bonilla, Jesús Armando Aguilar-Jiménez, Alfonso García Álvaro, Luis Hernández-Callejo, Alberto Redondo-Plaza, José Ignacio Morales Aragonés, Víctor Alonso-Gómez, Ángel Zorita Lamadrid and El Amin Echchaouy	138 - Assessment of an anaerobic digestion system coupled with photovoltaic thermal collectors under different manure management strategies	

Miércoles 11 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
11:45 - 12:00	Carlos Arturo Cardenas Guerra	148 - Índice Ponderado de Integración de Renovables: una medida probabilística con agregación parcialmente no compensatoria del riesgo de interconexión por subestación	
12:00 - 13:00	**Almuerzo**		
13:00 - 13:15	Angel Soto Trejo and Dewar Rico-Bautista	68 - NeuroTAP: A Smart Public Health Screening Infrastructure Based on Edge AI and Ubiquitous Mobile Sensing	Smart Public Services (Track Chair: Lilian Johanna Obregón)
13:15 - 13:30	Eduardo Pereira, Gesem Rojas Bustos, Hugo Sánchez and Giannina Ortiz Quesada	99 - eBridge 4.0: Low-Cost Integrated Structural Health Monitoring System for Costa Rican Bridges Using MEMS Sensors, Computer Vision, and Time-of-Flight Sensors	
13:30 - 13:45	Juan David Duran Garzon, Marco Jose Lanziano Barrera, Fabian Ranulfo Cuesta Quintero and Dewar Rico-Bautista	128 - Scalable Design and Evaluation of a Reproducible LPWAN Architecture for Smart Waste Monitoring	
13:45 - 14:00	Antonio Carlos Sá de Gusmão, Débora Candeias Marques, Gisele Teixeira Saleiro and Vanessa de Almeida Guimarães	163 - Challenges of Urban Mobility and Its Influence on the Sustainability of Smart Cities in the Future	
14:00 - 14:15	João Luiz Jucá, Juliana Ulian, João Guilherme Ito Cypriano, Luiz Carlos da Silva and Bárbara Teruel	178 - Smart Street Lighting as a Living Laboratory: An IoT-Enabled Framework for Energy Management and Sustainable Governance	
14:15 - 14:30	Alfonso García Álvaro, Amy Zulema Velasco-Bonilla, Jesús Armando Aguilar-Jiménez, Luis Hernández-Callejo and Ignacio de Godos Crespo	119 - How does climatic variability affect the capacity of a PVT-based thermal disinfection system to meet mini-mum drinking-water requirements?	

Miércoles 11 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
14:30 - 14:45	John Barco Jiménez	135 - Forecasting Indoor CO2 in a Hospital Clinical Laboratory: Deep Learning Models Trained from Scratch versus Time-Series Foundation Models	
14:45		**Fin de actividades**	

Miercoles 11 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
7:50 - 8:00		**Bienvenida**	
8:00 - 8:15	Alberto Redondo-Plaza, Hugo Sánchez, Amy Zulema Velasco Bonilla, Andrés Valle González, Camila Andrea Urzola Guardia, Carlos Meza and Luis Hernández-Callejo	33 - Interactive Photovoltaic Laboratory Based on a Smart Power Optimizer	IoT and ubiquitous devices (Track Chair: Nadia Lara Ruiz)
8:15 - 8:30	Oscar Julian Llain Penaranda, Nicolas Cardenas Lopez, Anton Garcia Barreto, María Alejandra López Hurtado and Dewar Rico-Bautista	70 - A Smart Aquaculture Platform Based on IoT and LoRa for Real-Time Environmental Monitoring	
8:30 - 8:45	Leonardo Cardinale-Villalobos, Adrián Rodríguez-Murillo, Luis Diego Murillo Soto and Hugo Sánchez Ortiz	91 - Development and Validation of a Low-Cost IoT Sensing Node for Distributed Solar Irradiance Measurement in Smart Photovoltaic Applications	

Miercoles 11 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
8:45 - 9:00	Rodolfo Leonardo Sumoza Matos, Raúl Durán Díaz and Esteban Mocskos	161 - Enabling Fog/Edge IoT with Direct Gateway-to-Gateway LoRa Communication	
9:00 - 9:15	Yesid Enrique Castro Caicedo, Deiby Alejandro Ramírez Galvis, Juan David Castro Jiménez, Carlos Eduardo Sánchez Erazo and Carol Stephany Certuche Arenas	165 - Infraestructura experimental IoT para sistemas de péndulos interconectados: medición de la gravedad e integración de Inteligencia Artificial	
9:15 - 9:30	Arturo García-Amador and Ponciano Jorge Escamilla-Ambrosio	168 - From dense sensing to sparse deployment: knowledge distillation for smart city sensor reduction	
9:30 - 9:45	Ponciano Jorge Escamilla-Ambrosio, Elsa Rubio Espino, Alberto Jorge Rosales-Silva, José Antonio Barraza-Madrigal and Gilberto Lorenzo Martínez Luna	172 - Long-Term Field Evaluation of a LoRaWAN-Based Multi-Pollutant IoT Platform for Urban Air Quality Monitoring	
9:45 - 10:00	Gian Carlo Daraviña Peña, Críspulo Enrique Deluque-Toro and Edwan Anderson Ariza Echeverri	176 - Diseño e implementación de una torre hidropónica solar inteligente fabricada en 3D con IoT y análisis visual para agricultura urbana	
10:00 - 10:15	**Receso para café**		
10:15 - 10:30	Claudia Lorena Esquivel García	179 - Active Demand as an Energy Security Resource in the Face of El Niño: A Comparative Analysis of Electricity Regulation in Colombia and Brazil	Governance and Citizenship & Smart Economy (Track Chair: Jesús del Carmen Peralta-Abarca)
10:30 - 10:45	Eyko Medeiros Rios and Vanessa de Almeida Guimarães	122 - Urban freight transport governance: analysis of the Brazilian institutional arrangement	
10:45 - 11:00	Emir Yusuf Çiçekdemir, Mailyn Moreno-Espino, Juan Pavón and Susana Bautista Blasco	116 - Who Counts as a Citizen? A Measurement Artefact in LLM-Based Simulations of Polarization in Smart-City Policy Debates	

Miercoles 11 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
11:00 - 11:15	Diana Arenas	32 - A Corporate Governance Model for Artificial Intelligence Governance Based on Recovering Critical Technology Capabilities in Public Entities	
11:15 - 11:30	Miguel Ángel Juárez Merino	28 - Regulatory Autonomy and the Global Governance of Artificial Intelligence: Mexico amid the Technological Competition between the United States and China	
11:30 - 11:45	Gabriel Silva Atencio	10 - A Unified ITIL Framework for Energy-Efficient Data Centers: Governance for Sustainable Digital Infrastructure	
11:45 - 12:00	Stefanny Ximena Páez Bayona, Juan José García Torres, Byron Cuesta Quintero, Sonia Itatí Mariño, Duvan Andrey Márquez Pinzón and Dewar Rico-Bautista	132 - ASSURA: A Smart Education Platform for Academic Advising Using Artificial Intelligence and Transfer Learning	
12:00 - 13:00	**Almuerzo**		
13:00 - 13:15	Oscar Izquierdo, Daniel Varela Ramírez, Ángel Hernández Jiménez, Marta Lafuente Cacho, Luis María Arribas Paz and Gabriely Amarilys Silva-Adrián	153 - Evaluación de la Arquitectura de Comunicaciones para la Monitorización de una Microrred mediante Simulación de Eventos Discretos: el Caso del CEDER-CIEMAT	Real world experiences (Track Chair: Víctor Alonso Gómez)
13:15 - 13:30	Consuelo Gines Palestino, Eduardo Roldán Reyes, Sinuhé Ginés Palestino and Paulo Nazareno Maia Sampaio	25 - Selective Exploration of the Firefly Algorithm for the One-Dimensional Bin Packing Problem	
13:30 - 13:45	Juan Pavón and Sergio D'Antonio Maceiras	50 - Smart Villages frente a la despoblación rural: experiencias en España y Portugal y su diálogo con Latinoamérica	

Miercoles 11 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
13:45 - 14:00	Gisella Luisa Elena Maquen Niño, Alberto Andre Barboza Vera, Junior-Giancarlo Aurazo-Bustamante, Ivan Adrianzén-Olano, Jessie Leila Bravo-Jaico and Roger Ernesto Alarcón García	19 - DEVELOPMENT OF A MACHINE LEARNING MODEL BASED ON RETINAL IMAGES FOR THE EARLY DETECTION OF DIABETIC RETINOPATHY	
14:00 - 14:15	Irma Elizabeth Romero Arrioja, Luis Gerardo Montane Jimenez and Maria Teresa Cepero García	123 - Personalized Visualization in Smart Cities: A Systematic and Cross-Study Analysis of Adaptability Operationalization	Other developments (Track Chair: Víctor Alonso Gómez)
14:15 - 14:30	Claudia Renteria, Maria Mina and Jaime Velasco	142 - Metodología de Migración a Criptografía Poscuántica para una Plataforma de Telemedicina e IoMT	
14:30 - 14:45	John Barco Jiménez	143 - Verified and Mask-Guided Grad-CAM for Explainable Classification of Intracranial Hemorrhage on Computed Tomography	
14:45	**Fin de actividades**		

Jueves 12 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
7:50 - 8:00	**Bienvenida**		

Jueves 12 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
8:00 - 8:15	Jorge Nájera, Marcos Blanco, Juan Ignacio Pérez-Díaz, Gustavo Navarro, Eduardo Rausell, Valentín Urda and Marcos Lafoz	8 - Battery Sizing in Hybrid Energy Storage Systems for Hydropower Fatigue Mitigation under Reduced Initial SoH	Energy, energy efficiency and sustainability (Track Chair: Pedro Moreno Bernal)
8:15 - 8:30	Vitória Olave, Diego Rossit, Sergio Nesmachnow, José Pineda, Franciele Weschefelder and Mariana Corengia	159 - Multi-objective Optimization of Low Carbon Hydrogen Production Using a Hybrid Solar-Wind System	
8:30 - 8:45	Gabriel Silva Atencio	11 - Asymmetric Standardization and Governance in Bank-Fintech Ecosystems: An Architectural Framework for Symbiotic Value Creation	
8:45 - 9:00	Mario Eduardo Carbonó Dela Rosa, Luis Hernández-Callejo, Víctor Alonso-Gómez, José Ignacio Morales Aragonés, Alberto Redondo Plaza, Marcos Juanes San José, Amy Zulema Velasco Bonilla and Andrés Valle González	15 - Reconstructing Photovoltaic I–V Curves from Electroluminescence Images: Joint Deep Learning Across Mono- and Polycrystalline Cells	
9:00 - 9:15	Sofia Micaela Laskowski, Marcos Blanco, Jorge Nájera, Marcos Lafoz, Gustavo Navarro, Eduardo Rausell, Valentin Urda, José Ignacio Sarasúa and Juan Ignacio Pérez-Díaz	16 - Hybrid Energy Storage System Analysis for Frequency Regulation in Isolated Power Systems with High Renewable Penetration	
9:15 - 9:30	Carmen Amparo-Garcia, Amalia Palomar, Alberto Rey-Hernández, Julio F. San José-Alonso, Yolanda Arroyo, Milen Balbis-Morejón, Juan José Cabello Eras, Javier M. Rey-Hernández and Francisco Javier Rey	52 - Descarbonización del Sector Edificatorio: Hacia los Edificios Cero Emisiones (ZEB) y una nueva metodología simplificada del análisis de ciclo de vida, LCA.	
9:30 - 9:45	Rafael Espinoza-Navarro, Jesús Armando Aguilar-Jiménez, José Alejandro Suástegui-Macías, Nicolás Velázquez-Limón, Saúl Islas-Pereda and José Daniel Gámez-Avilez	57 - The building-energy nexus in rural electrification: Impact of rooftop photovoltaic shading and residential insulation on microgrid sizing	

Jueves 12 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
9:45 - 10:00	Jorge Arturo Del Ángel Ramos and Mariel Morales Martínez	65 - Evaluation of Thermodynamic and Kinetic Constraints in CO-Enriched Syngas Production from CO_2-Assisted Forest Biomass Gasification: Implications for Carbon Utilization and Biomass Valorization	
10:00- 10:15	**Receso para café**		
10:15 - 10:30	Rafael Torres-Navarro, Jeremy Marín Hernández, Luis Diego Murillo Soto, Carlos Segura Quirós and Carlos Meza	78 - Comparative Analysis of Radiative, Thermal, and Operational Variability in Photovoltaic Plants Using Principal Component Analysis	Energy, energy efficiency and sustainability (Track Chair: Diego Rossit)
10:30 - 10:45	Diana L. Ovalle-Flores, Rafael Peña-Gallardo, Carlos Soubervielle-Montalvo, Raúl Hernández-Molinar and Adalberto Ospino-Castro	86 - Environmental and Circularity Assessment of Small-Scale Distributed Generation Systems	
10:45 - 11:00	José Mauricio Rodríguez-Valencia, Carlos Enrique Torres-Aguilar, Iván Hernández-Pérez, Luis Enrique Ángeles-Montero, David Balladares-de-la-Cruz, Fermín Martínez-Solís and Erik Ramírez-Morales	96 - Design and construction of a compound parabolic collector with a solar tracker, applied to the degradation of water contaminants	
11:00 - 11:15	Eder Ricoy-Zárate, Rafael Campos-Amezcua, José A Zamora-Valdez and Erick Rosado-Tamariz	98 - Evaluation of DBD Plasma Actuators for Flow Control on a NACA 4412 Airfoil: Numerical and Experimental Study	
11:15 - 11:30	José Ignacio Morales Aragonés, Soraya Sangiao Barral, José María de Teresa Nogueras, Carlos Sánchez Azqueta, Víctor Alonso Gómez, Ángel Luis Zorita Lamadrid and Luis Hernández Callejo	157 - Ultrathin β-tungsten Films for Energy-Efficient Electronics	
11:30 - 11:45	Hugo Sanchez, Steven Jimenez Mesen, Carlos Meza and Joerg Sauerhering	105 - A Strategy for Campus Decarbonization Through Battery Storage and Zero-Export Photovoltaic Systems	

Jueves 12 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
11:45 - 12:00	José Carlos Pérez-Angles, Carlos Torres, Pedro Moreno, Diego Rossit, Sergio Nesmachnow, Edgar Vicente Macias Melo and Karla María Aguilar Castro	113 - Predicting Local Convective Heat Transfer on a Tilted Photovoltaic Panel with a CFD-Trained Machine Learning Surrogate	
12:00 - 13:00	**Receso para café**		
13:00 - 13:15	Galileo Tinoco-Santillán, Jorge El-Mariachet-Carreño, Alfredo Raya, Juan Anzures-Marin, Roberto Tapia-Sánchez and Antonio Ulises Sáenz-Trujillo	125 - Fuel Cell for Cruise, Battery for Manoeuvre Mission-Based Sizing of a Hybrid Powertrain for Lake Passenger Boats with Hydrogen from Invasive Biomass	Energy, energy efficiency and sustainability (Track Chair: Nacho)
13:15 - 13:30	José Alan Zamora Valdez, Eder Ricoy-Zárate and Rafael Campos-Amezcua	131 - Análisis conceptual para actuadores de plasma DBD en aerogeneradores de baja potencia	
13:30 - 13:45	Samanta López Salazar, Dong Li, Yang Ruitong and E. Simá	133 - Attribution-based prioritization of PCM-integrated roof retrofits across building archetypes under urban heat stress	
13:45 - 14:00	Armando J Taveras-Cruz, Alexander Olivo, Pedro Russell, Alexis Batista, Federico Serra, Deyslen Mariano-Hernandez, Giuseppe Sbriz-Zeitun, Fabio Andrade, Ramón Emilio De Jesús Grullón and Miguel Aybar	97 - AI-Based Protection Integrated with Real-Time Communication Systems: A Structured Review	
14:00 - 14:15	Jesús Armando Aguilar-Jiménez, Nicolás Velázquez-Limón, Saúl Islas-Pereda, José Alejandro Suástegui-Macías, Rafael Espinoza-Navarro and Amy Zulema Velasco-Bonilla	9 - Energetic analysis of a novel Solar-MED-ORC desalination and power generation system	
14:15 - 14:30	Diana Alexandra Murcia-Velasco, Adriana Correa-Guimaraes, Teresa Batista, Carmen Luisa Vásquez and Luis Manuel Navas Gracia	164 - Assessment of Multi-Cargo Terminal Operations: A Case Study of Sines Port with Primary Operational Data	

Jueves 12 de noviembre

Auditorio de Competencias

Enlace público en general:

https://teams.microsoft.com/meet/2225841373820787?p=NgJH1x23sfJMSUPOZx

Hora (UTC-5)	Participantes	Artículo / Panel	Track
14:30 - 14:45	Claudio Risso, Sergio Nesmachnow and Rodrigo Porteiro	166 - Renewable Energy Penetration and Electricity Spot Prices: A Hydrothermal Optimization Study	
14:45 - 15:00	Juan Insfran	171 - Adaptive Sequential Model Predictive Control with Imbalance-Driven Candidate Selection for Three-Level NPC Active Power Filters	
15:00 - 15:15	Luis Andrés Acosta Sánchez, Katherine Silvana Flores Almeida and Juan Carlos Lata	26 - Energy Efficiency of a Photovoltaic Panel: An Experimental Comparison of Two Cooling Techniques in the Ecuadorian Mountains	
15:15 - 15:30	João Pedro Martins Pereira, Lorraine Vaz Pessoa dos Santos dos Santos, Caio de Carvalho Lucarelli, Joyce Correna Carlo and Matheus Menezes Oliveira	104 - Thermal performance of PCM-enhanced office buildings under selective ventilation and hybrid control strategies: a comparative analysis between a tropical and a semiarid climate	
15:30	**Cierre: Baile Muestra Cultural**		

Jueves 12 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
7:50 - 8:00	**Bienvenida**		

Ney Balderramo, Iván Patricio Pazmiño Ordóñez, Hugo Adrian Pico Mera, Stedy Chesme Moreira, Steven Álava Alarcón, Gema L. Holguin Llerena, María G. Intriago Cedeño and Francisco J. Sánchez Sutil

Jueves 12 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
	Iván Patricio Pazmiño Ordóñez, Hugo Adrián Pico Mera, Stedy Chesme Moreira, Steven Álava Alarcón, Gema L. Holguin Llerena, María G. Intriago Cedeño, Francisco J. Sánchez Sutil, Bárbara Teruel Mederos and Ney Balderramo	30 - An Automatic Co-Simulation Framework for Optimal PMU Placement and Angular Transient Stability Assessment	Electric Systems (Track Chair: Carlos Rodrigo Baier Fuentes)
8:15 - 8:30	Carlos Santiago Vidal Martínez and Maximiliano Bueno López	54 - Design of a Reliability-Oriented Hybrid Microgrid for Rural Electrification in a Non-Interconnected Zone	
8:30 - 8:45	Carlos Alberto Fernández-Sierra, Antonio Vigueras-Rodríguez, Jonathan Muñoz-Tabora and Ángel Molina-García	55- Life Cycle Assessment of a 990 MW Commercial-Scale Floating Offshore Wind Power Plant: a Spanish Canary Island Case Study	
8:45 - 9:00	Fabio Castro, Joao Soares, Fernando Lezama, Jesus C. Hernandez and Zita Vale	80 - Geospatial Stress Testing and Repair of Committed Distribution Expansion Plan	
9:00 - 9:15	Conrado Fleck dos Santos, Mauricio Mendes da Silva, Sergio Frederico Pires Dias, Eder Bridi, and Francisco Sánchez Sutil	4 - Comparative Analysis of Operational Stress Patterns in Second-Life Lithium-Ion Batteries Across Stationary Energy Profiles	
9:15 - 9:30	Dennis Rivera, Jonathan Muñoz Tabora, Jesús C. Hernández	38 - Impact of Electric Vehicle Fast Charging on the Honduran National Interconnected System	
9:30 - 9:45	Cesar Augusto Vega Penagos, Guiselle A. Feo Cediel, Mario Flores Mangual, Fabio Andrade Rengifo and Miguel Aybar Mejia	47 - Photovoltaic-Battery Resilience in Practice: A Field-Validated Case Study in Puerto Rico	
9:45 - 10:00	Yuly V. Garcia, Cesar A. Vega Penagos, Fabio Andrade, Jesus C. Hernandez and Eduardo E. Espinosa	49 - Multi-Year Operational Assessment and Battery Degradation in a Campus Microgrid: A Case Study of the UPRM Solar House	
10:00- 10:15	**Receso para café**		

Jueves 12 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
10:15 - 10:30	Karol Daniela Lopez Rodriguez, Walter Gil Gonzalez and Oscar Danilo Montoya	58 - Distributed Secondary Control for Proportional Current Sharing in Islanded DC Microgrids	Electric Systems (Track Chair: Joao Andre Pinto Suares)
10:30 - 10:45	Eduardo Espinosa, Sebastian Neuman, Ricardo Lizana, Guillermo Ramírez, Ricardo León, Samuel Vergara, Carlos Baier, Federico Serra, Osvaldo Gonzalez, Jesus C. Hernandez, Miguel Aybar-Mejia and Fabio Andrade	69 - Comparison of Multi-Source and Multilevel Multi-Source Inverters for Urban Electric Traction: Waveform Quality and Efficiency with Si and SiC Devices	
10:45 - 11:00	Ezequiel Cedillos Panti, Mauricio Escalante Soberanis, Francisco Mendoza Vizcaíno, Miguel Aybar Mejía, Óscar Montoya Giraldo and Roberto Quintal Palomo	76 - Optimizing the operation of gas turbines as backup for renewable energies in the Island of Cozumel	
11:00 - 11:15	João Mota, Pedro Peters, Leonardo Willer, Walquiria Silva, Jesús C. Hernández, Tiago Soares and Bruno Henriques Dias	88 - Impacts of stochastic variable renewable generation on consumer-centric markets with shared energy assets	
11:15 - 11:30	Carlos Sans Tresserras, Miguel López García, Sergio Valero Verdú and Jesús C. Hernández	79 - Short-Term Electric Load Forecasting for Announced Demand Disruptions: The COVID-19 Lockdown Case	
11:30 - 11:45	Conrado Fleck dos Santos, Mauricio Mendes da Silva and Francisco Sánchez Sutil	87- Supervised Grid Connection and Islanded Operation of a synchronverter-based Battery Energy Storage System	
11:45 - 12:00	Richard E. Duarte, Esteban I. Marciel, Carlos R. Baier, Oscar Danilo Montoya Giraldo, Luis Grisales-Noreña, Jesus C. Hernandez and Eduardo Espinosa	110 - Virtual Synchronous Machine Control of a Grid-Forming Current-Source Inverter for Island Microgrids	
12:00 - 13:00	**Receso para café**		
13:00 - 13:15	Alejandro Colina, Teresa Liseras, Julio Pacher, Jorge Esteban Rodas Benítez, Osvaldo Julián González Barrios and Jesús C. Hernández	177 - Implementación de un Esquema de Control Predictivo para un Convertidor NPC Aplicado a Sistemas de Generación Basados en Fuentes Renovables en Esquema On-Grid	Electric Systems (Track Chair: Eduardo Enrique Espinosa Neira)

Jueves 12 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
13:15 - 13:30	Oscar Casilla Santiago, Pedro Augusto Betancourt Paulino, Roberto Eduardo Quintal Palomo, Oscar Montoya-Giraldo, Armando Tavera, Deyslen Mariano-Hernández and Miguel Aybar	6 - Mitigation of operational constraints in transmission networks with high renewable penetration using BESS systems: Case study, Southern Zone of the Dominican Republic 2027	
13:30 - 13:45	Juan Pablo Peñaloza, Federico Martin Serra, Arnau Doria Cerezo, Eduardo Espinosa, Carlos Baier and Fabio Andrade	56 - Control of an Active Stabilizer for AC Grids Feeding Constant Power Loads	
13:45 - 14:00	Eduardo Martínez-Islas, Francisco Beltrán-Carbajal, Iván Rivas-Cambero and Jesús C. Hernández	151 - Analysis of the Vibration Response of a Belt Drive System Under Misalignment Conditions	
14:00 - 14:15	César Augusto Marín Moreno, Rubén Iván Bolaños, Óscar Danilo Montoya, Juan Diego Pulgarín Rivera and Jesús C. Hernández	120 - Economic Optimal Placement and Sizing of PV Systems and D-STATCOMs in Medium-Voltage Distribution Networks via the Crow Search Algorithm	
14:15 - 14:30	Vanessa Gonzalez-Alvarez, Miguel Chen Austin and Luis Aarón Martínez Figuero	150 - A Multiscale Assessment of Sustainability and Resilience in Tropical Social Housing under Historical and Future Climate Scenarios	
14:30 - 14:45	Mateus Caruso, Marilia Silva, Guilherme Sotelo, Bruno França and Jesús C. Hernández	158 - Operational Envelope for UAV Inspection of the Xingu--Rio UHVDC Corridor Using Open Data	
14:45 - 15:00	Gabriel Calderón, David Menjivar, Paola Ortiz, René Iván Ariza Rodríguez, Luis A. Martinez, Melissa Ruiz and Miguel Chen Austin	170 - Performance Simulation and Technical Evaluation of Building Integrated Photovoltaics (BIPV) in Tropical Climates: A Case Study in El Salvador	
15:00 - 15:15	Bárbara Teruel, Ubiratan Castellano, Maria Julia Miele, Luiz Carlos da Silva, Jesus C. Hernandez and Maria Carolina Ribeiro	115 - Low-Carbon Hydrogen for Smart and Sustainable Mobility in MERCOSUR: An Urban and Regional Transport Readiness Framework	

Jueves 12 de noviembre

Laboratorio de Simulación de Procesos Bloque 12, piso 2, salón 207

Enlace público en general:

https://teams.microsoft.com/meet/2793139561606407?p=D7WPyU9rVdOmsx5Dsn

Hora (UTC-5)	Participantes	Artículo / Panel	Track
15:15 - 15:30	Luiz Carlos da Silva, João Ito, Danusia Ferreira, Sérgio Ramos and Bárbara Teruel	118 - Living Lab para a Transição Energética em um Campus Inteligente e Sustentável: Experiência da UNICAMP	
15:30	**Fin de actividades**		

Sesión de pósters & ponencias en video

Poner el link YOUTUBE

Autores	Artículo	Tipo
Luis Fernando Grisales Noreña, Héctor Pinto Vega and Jesús C. Hernández	24- Intelligent Energy Management for Operational Cost Minimization in Wind-Based Microgrids via GNDO Optimizer	Póster
Jorge-Luis Mirez-Tarrillo, Mauro Paúl Amaro Pinazo, San Luis Baudilio Tolentino Masgo, Estefani Gabriela Mendoza Guerra and Félix Rustan Roca Subirana	173 - Relación entre distribución de Weibull y latitud de parques eólicos del Perú 2025	
Carmen Vasquez, Renato Andara, Sergio Ramos and João Soares	174 - Climate Resilience of Electromobility Infrastructure in Public Transport: A Comprehensive Review	
Saideep Reddy Musku, Arjun Reddy Janampally, Mahi Dumlum, Dharani Thota and Rashmi K	1 - Machine Learning Based Smart Fire Detection Device [CNN]	
Edwin Gerardo Acuña Acuña, Sacramento Cruz-Doriano and María Teresita de Jesús Chi-Chan	2 - Understanding AI Valuation Gaps: The Interplay of Complementary Assets, Real Options, and Market Sen-timent	

Sesión de pósters & ponencias en video

Poner el link YOUTUBE

Autores	Artículo	Tipo
Edwin Gerardo Acuña Acuña, Sacramento Cruz-Doriano and María Teresita de Jesús Chi-Chan	3 - From Compliance to Continuous Evidence: An Au-ditable AI Framework for Accreditation-Ready Online and Hybrid Engineering Programs	
Enthony Daniel Jirón Polanco	21 - The role of interpersonal skills in strategic decisionmaking in technology-based SMEs: a multiple case study in Costa Rica	
Olga Moraes Toledo, Joyce Correna Carlo, Caio de Carvalho Lucarelli and Matheus Menezes Oliveira	29 - Enhancing energy efficiency in Brazilian NZEB School Building considering the Impact of Climate Change	
Marta Lafuente Cacho, Oscar Izquierdo-Monge, Ángel Hernández Jiménez, Paula Peña-Carro, Beatriz Ramos-Hernández, Gabriely Amarilys Silva-Adrián and Carlos Barrera-del Amo	34 - Evaluación del efecto de la agregación temporal de datos en sistemas de energía eólica	
Juan Diego López-Arquillo, Cristiana Oliveira, María Cadenas Borges and José Serrano González	37 - Accelerating Peripheral Economies: How the Accelerate Future HEI Project Enabled a University-Led Blue Economy Ecosystem in an Outermost Region	
Karl Corporán-Ortiz, Miguel Aybar-Mejía, Máximo A. Domínguez-Garabitos and Deyslen Mariano-Hernández	40 - Marginal Energy Cost Forecasting in the Dominican Republic using Hybrid Volatility-Enriched AI and Foundation Models	
Ana Vázquez, Eduardo Ortigoza and Salustiano Vega	43 - Intelligent Waste Management Systems for Smart Cities: A Systematic Review of Logistics Optimization Models and Workload Integration	
Luis Ivan Ruiz Flores, Luis Cisneros Villalobos and Zakaryaa Zarhri	53 - From Legacy Tracks to a Smart Metropolitan Corridor: Reuse-First Electrification and Digital-Twin Planning for Mexico City–Cuernavaca	

Sesión de pósters & ponencias en video

Poner el link YOUTUBE

Autores	Artículo	Tipo
Reepalkumar Patel	60 - Leveraging OpenStreetMap and Remote Sensing Data for Financial Risk Assessment in Post-Disaster Recovery: A Comparative Analysis of Earthquake Impacts in T¨urkiye and Indonesia	
María Josë Briz	61 - Invisible Conflicts in Smart Cities: Digital Vulnerability, Dispute Suppression and Inclusive Conflict Management	
Daniel Rossit and Diego Rossit	62 - Value Stream Mapping of a Residual Forest Biomass Supply Chain: Lean Diagnosis and a Digitally Enabled Future State	
Diego Andres Robles Ropero, Maicol Steven Perez Leon, Marco Lanziano and Dewar Rico-Bautista	66 - Smart Hydroponics for Sustainable Cities: A Reproducible IoT Monitoring and Control Architecture	
Alexander Guerrero Avendaño and Dewar Rico-Bautista	71 - Smart Universities as Drivers of Sustainable Digital Transformation: A Review of Governance Models and Enabling Technologies	
Raúl Obed González-Amaro, Moisés Montiel, Pamela Estrellita Zúñiga-Bello, María Magdalena Morales-Guillén, María Abigaíl Velázquez-González and Omar Alejandro González Noriega	72 - Methodology for the Design and Modeling of Sustainable Modular Housing for the Climates of Ibero-America	
Luis Felipe Tamayo Cumbe, Yesid Enrique Castro Caicedo, Javier Sleyner Pardo Barrero, Jaime Andrés Trujillo López and Carolina Polania Leyton	82 - A Data Mining and Natural Language Processing Approach for Intelligent Maintenance in Smart Industry: A Case Study	
Pablo Humberto Hernández Peralta, Pedro Moreno Bernal, Outmane Oubram, Carlos Torres and Miriam Navarrete Procopio	83 - IoT-based system for monitoring environmental and soil variables for greenhouse tomato production	
Alejandra Granja-Delrío, Iván Cabria and Teodoro Calonge	84- Hydrogen-Based Transportation for Smart and Sustainable Cities	

Sesión de pósters & ponencias en video

Poner el link YOUTUBE

Autores	Artículo	Tipo
Cristian Daniel Aranda Hernandez, Karen Veronica Mancilla Solarte, Bryan David Yepes Ordoñez, Zulema Yidney Leon Escobar and Carol Stephany Certuche Arenas	92 - EDUINNOVA: Ecosistema digital universitario para la gestión de datos y la transformación inteligente del entorno académico	
Alejandro Hernandez Pineda, Adriana Lara Lopez, Jose Giovanni Guzman Lugo, Ruth Margarita Landa Hernandez and Oscar Hernandez Cervantes	93 - Representaciones evolutivas para ruteo peatonal con tres y cuatro objetivos: comparación con frentes exactos en Zacatenco	
Fabian Ranulfo Cuesta Quintero, Yorlin Andrey Arias Quintero, Juan Diego Mora Cabrales, Marco Jose Lanziano Barrera and Dewar Rico-Bautista	106 - An IoT-Based Beehive Monitoring Architecture for Precision Beekeeping in the Catatumbo Region	
Francisco Aquino-Flores, Pedro Moreno, Sergio Nesmachnow and José Hernández	112 - Synthetic data generation for public transportation travel times in Morelos	
Yessica G. Aragón, Pedro Moreno, Sergio Nesmachnow, Gustavo Medina-Angel and Juan Manuel Hurtado-Ramírez	114 - IoT platform for counting passengers in public transportation	
Carol Stephany Certuche Arenas, Yesid Enrique Castro Caicedo, Juan Pablo Satizabal Parra and Diego Andrés Mera Calambás	121 - Implementation of a Low-Cost IoT Prototype for Water Quality Monitoring in an Aquaponic Ecosystem as a Smart Urban Agriculture Solution	
J. Daniel Gámez-Avilez, Saúl Islas-Pereda, Nicolás Velázquez-Limón, Jesús Armando Aguilar-Jiménez and Rafael Espinoza-Navarro	134 - Evaluación anual del desempeño térmico-eléctrico del sistema CCP-TEG mediante la comparativa de módulos termoeléctricos bajo condiciones climáticas reales	
Clementina Rueda-Germán, Ivan Rivas-Cambero, José Humberto Arroyo-Núñez, Elba Antonio-Yañez and Roberto González-Reyes	139 - A dynamic strategy for vehicular speed control aimed at sustainable mobility	
João Luiz Rosso Izidoro, Gabriela Rocha Roque, Carlos Antônio Ferreira, João Mota Neto and Marcos Antonio Jeremias Coelho	140 - Comparison of Neural Networks for Horizontal Road Marking Recognition Aimed at Autonomous Mobility	
José Luis Cuya-Camara	146 - Vehicular Noise Pollution in Urban Environments: Health Evidence and Intelligent Monitoring Strategies	

Sesión de pósters & ponencias en video

Poner el link YOUTUBE

Autores	Artículo	Tipo
José Luis Cuya Cámara	154 - Real-Time Peruvian Sign Language Recognition Using YOLOv11 and MediaPipe for Accessible Public Services	
Edgar Beltrán-Alvarado, Jesús-Manuel Olivares-Ceja and Gerardo Flores-Vargas	169 - Reducing vehicular traffic by car sharing in Smart Cities	