

DAY 1 - INTERCON 2024: WEDNESDAY 6 OF NOVEMBER							
Hour	C2 - F301	C2 - F302	C2 - F305	C2 - F402	Bedoya C2 A (Auditorio)	C2 - F403	C2 - F404
08:00 - 09:00	REGISTER						
09:00 - 10:00							
10:00 - 10:30							
10:30 - 11:00							
11:00 - 11:30	ID:1 - Wilder Nina Choquehuayta, Miguel A. Lazo Moscosos and Pedro E. Sánchez Ancori - Hardening to improve the Security of Financial Institutions - Miguel Angel Lazo Moscoso	ID:5 - Daniel Echegaray-Apac, Renzo Arroyo-Andrade, Alvaro Aures-Garcia and Daniel Subauste-Olden - Digital education platform with interactive curricular content for public schools in rural Peru - Daniel Jesús Echegaray Apac	ID8 - Diego Fernando Rojas Pacheco, Sergio Daniel Yataco Vásquez and Victor Parasi - Technological model for the prevention of leaks of medical records based on blockchain technology in the Peruvian health sector - Diego Fernando Rojas Pacheco	ID:10 - David Huamani-Injante, Rodrigo Cuenca-Mayuri, Alvaro Aures-García, Luz Cano-Zapata, Neil Cervantes-Contreras and Adelaída Balvin-Landeo - Development of a video game for teaching good project management practices to undergraduate students, using the agile scrum methodology and gamification techniques. - David Huamani Injante	Dr. Elias Giordano Dante Angel - "Biomecánica y Robótica Aplicada: Innovación Tecnológica al Servicio de la Sociedad"	Homologation of competitions	Technology Fair (Companies) and Students
11:30 - 12:00	ID:13 - Pablo Salas Cardenas, Paul Serna-Torre and Patricia Hidalgo-Gonzalez - The Importance of an Optimal Integrated Operation of Electrical and Natural Gas Systems during Gas Rationing - Pablo cesar salas cardenas	ID:16 - Anyela Aquino Velasquez, Wilder Calderon Montoya and Luis Montes Bazalar - Performance Evaluation of Planar Array Antennas by Applying Tapering Techniques for LEO Satellite Communication Using MATLAB Simulations - Anyela del Pilar Liseth Aquino Velasquez	ID:21 - Robert A. Alvarado-Lugo, Jean P. Lujan-Leon, Susan Coaguila Agurto, Percy W. Lovon-Ramos, Luis Torres Obando and Jessenia Cardenas Campana - Performance comparison of AWS IoT connected dataloggers in glacier environments: Campbell CR1000X vs. ESP32 Open source - Robert Alfredo Alvarado Lugo	ID:23 - Carolina Ribeiro Aucélio, Marco Aurelio Ferrare Trovó and Francis Arody Moreno Vasquez - On the Dynamic Response of Static Var Compensators in Faulted Transmission Systems - Francis Arody Moreno Vásquez			
12:00 - 12:30	ID:24 - Edgard Yacila, Robeto Furukawa and Santiago Baldeon - Design of a medical training simulator for laparoscopic appendectomy with haptic grip and touch feedback - Roberto Sumiyoshi Furukawa Fukuda	ID31 - Anthony Valladolid Ballon, Jesus Gregorio Flores Oscanoa, Richard Kevin Revilla Segovia, Brayán Yoryy Astete Flores, Daniel Lavayen Farfan and Carlos Fosca Pastor - Design and implementation of a low-cost non-invasive modular kit for wheelchair motorization in developing countries - Jesus Flores Oscanoa	ID:32 - Sleiter Ramos-Sanchez and Mark Clemente-Arenas - Application of the Finite-Difference Time-Domain Method in presence of Dispersive medium - Ramos Sanchez, Sleiter Sanchez	ID:35 - Tais Arrunategui Matos, Gerard Calderón Anyosa, Diego Romario Huaracaya Nuñez, Marcelo Aguilar Arriaga, Johan Asto Olivera, Yerik Illanes Vilca and Jesús Matias Vilca - Design and manufacture of a vital signs monitor with real-time data transmission - Tais Lissette Arrunategui Mato			
12:30 - 13:00	ID36 - Alexis Quispe Delgado, Eiber Flores Sana, Alexander Hilario Tacuri and Alberth Tamo Calla - Computational Tool for Assessing and Comparing Indoor Localization Methods - Alberth Ronal Tamo Calla	ID:37 - Oscar Ramos, Andrés Obludzyner and Fabio Zaldivar - A Survey on Large Language Models for Motion Generation from Text - Andrés Obludzyner Melzi	ID:41 - Rodrigo Toconas Ocaña, Sergio Andres Mego Peñaranda and Victor Parasi - Smart shopping carts: Reducing checkout queues with RFID and AWS facial recognition - Rodrigo Toconas Ocaña	ID42 - Jhomax Torres, Diego Carpio and Victor Parasi - Model to Predict Inventory Demand in Retail SMEs Using CRISP-DM and Machine Learning - Jhomax Ricardo Torres Medina			
13:00 - 15:00	FREE TIME TO GO OUT FOR LUNCH						
15:00 - 15:30	ID49 - Gabriel Araújo Almeida Figueiredo, Irlete Pereira Mota Alves, Tadeu Felix dos Santos, Andrés Ortiz Salazar and Elmer Rolando Llanos Villarreal - Implementation of Vector Speed Control in a Split-Winding Three-Phase Bearingless Induction Motor - Andres Ortiz Salazar	ID:50 - Rosa Felix, Gabriel De la Puente and Alejandro Silva - Development of a Chatbot Powered by Artificial Intelligence to Diagnose and Improve Stress and Anxiety Levels in University Students - De la Puente Bozzo, Gabriel Eugenio	ID:51 - Victor Cruz and Marco Quispe - Evaluation of population exposure to radiofrequency fields in microenvironments in the cities of Lima, Cusco and Pucallpa in Perú, using a personal exposimeter - Victor Manuel Cruz Ornetta	ID:53 - Maria Carrasco, Jeanpaul Garcia and Roberto Montero - Implementation of security controls for the treatment of malware using breach Attack Simulation - Jean Paul Garcia Chanchahuana	Dr. Mark Donny Clemente Arenas - "Aplicación de los algoritmos de optimización en el desarrollo de antenas planares"	Aprende Creando: Taller Tecnológico	Technology Fair (Companies) and Students
15:30 - 16:00	ID:54 - Mauricio Salazar, Danushka Bandara and Gissella Bejarano - Evaluating Model Compression Techniques for On-Device Browser Sign Language Recognition Inference - Mauricio Dario Salazar Espinosa	ID:60 - Alejandrina Nelly Huaracaya Junes, Jeremy Jared Alcalá Ocxas and Fabian Kevin Chagua Martin - AI Chatbot with Emotional Recognition for an Improved Customer Service Experience - Jeremy Jared Alcalá Ocxas	ID62 - Luis Eduardo Tejada Vicente, Dana Fernanda Rosado Olden and David Mauricio Sánchez - Prediction of Telecommunications Customer Churn Based on Hybrid Machine Learning and Deep Learning Algorithms - Luis Eduardo Tejada Vicente	ID:65 - Jesús Mercado, Lizbeth Garibay and Eduarthe Paucar - Architectural model based on TOGAF to attend to the admission of families in a shelter - Lizbeth Victoria Garibay Ayma			
16:00 - 16:30					KEYNOTE INTERCON : Dr. Iván Danilo García Santillán - "Redes Neuronales Convolucionales en el campo de la medicina, agricultura y seguridad"		
16:30 - 17:00					Opening Ceremony		
17:00 - 17:30							
17:30 - 18:00							
18:00 - 18:30							
18:30 - 19:00							
19:00 - 19:30							
19:30 - 20:00							

DAY 2 - INTERCON 2024: THURSDAY 7 OF NOVEMBER

Hour	C2 - A503	C2 - A603	C2 - A601	Bedoya C2 A (Auditorio)	PASAJE -Bedova
08:00 - 09:00	REGISTER				
09:00 - 10:00					
10:00 - 10:30					
10:30 - 11:00				RAS Perú - Autonomous Minisumo Contest	RAS Perú - Lines Follower Contest
11:00 - 11:30	ID:67 - Jymmy Dextre, Rodrigo Calle and Ana Maria Lescano - Mobile application for classification of pine varieties in a forest nursery in Oxapampa using CNN - Rodrigo César Calle Castillo	ID:73 - Johan Quispe-Atencio, Elizabeth Fernandez-Aranzamendi, Patricia Castillo-Aranibar, Ebert San Román Castillo, Vicente Gonzalez-Posadas and Daniel Segovia Vargas - Vivaldi Antipodal slotted antennas design for brain anomaly detection systems - Johan Gabriel Quispe Atencio	ID:75 - David Chirme-Sisa, L. Walter Utrilla Mego, Julio Cesar Herrera-Levano and Roger Jesus Coaquira-Castillo - Modeling, simulation, design and comparative analysis of the PID and LQR controllers for a inverted pendulum - David Chirme Sisa	RAS Perú - RC/BT Minisumo Contest	RAS Perú - Mini humanoid Robot Contest
11:30 - 12:00	ID:76 - Cesar E. Segundo-Ormachea, L. Walter Utrilla Mego, Julio Cesar Herrera-Levano and Roger Jesus Coaquira-Castillo - Design and implementation of a water level controller in pumping chamber which is part of a wastewater treatment plant - Roger Jesus Coaquira Castillo	ID:80 - Kevin Gutierrez, Carlos Granados, Alvaro Aranibar, Yamir Ahon, Oscar Blas and Sebastian Cerron - Design of a Low-Cost Social Robot for Automated Triage in Primary Care - Alvaro Aranibar Roque	ID:81 - Juan Quispe, Jose Olliden, Francisco Alcantara and Verónica Rosero - Analysis of Machine Learning Methods for Fault Classification in Electric Systems with Distributed Energy Resources - Juan Carlos Quispe Huarcaya		EMBS USIL - Biomedical Innovation Challenge (Investigación)
12:00 - 12:30	ID:83 - River Quispe Tacas and Juan Paco Fernandez - Performance Analysis of a Wireless Network in the Peruvian Amazon - Juan Antonio Paco Fernandez	ID:84 - Alejandrina Nelly Huarcaya Junes, Rudy Gilmer Aliaga Linares and Zoilo Silva Alvarado - Predicting System for Nosocomial Infections in Peruvian Public Hospitals using Neural Networks - Rudy Gilmer Aliaga Linares	ID:86 - Angelo Taco and Franci Suni-Lopez - Self-adaptation of software services based on user profile - Angelo Rodrigo Taco Jimenez	RAS USIL - Soccer Robot Contest	
12:30 - 13:00	ID:87 - Omar David Valle Guzman, Olga Alejandra Ascue Bautista and Richard Nivaldo Copaja Cornejo - Blockchain based data transfer and protection framework for SMEs in Metropolitan Lima - Omar David Valle Guzmán	ID:89 - Soledad Espezuá, Fiorella Aguirre, Hillary Gonzales and Angela Zegarra - Mapping Inequality in the Healthcare System in Peru: Towards Equitable Hospital Care Distribution - FIORELLA ANDREA AGUIRE ZUMAETA	ID:93 - Sergio Huber Corilla Perez, Carlos Alberto Paragua-Macuri, Dairo Alejandro Sánchez Talledo, Marco Elias Yovera Cortez and Melecio Paragua Morales - Dispersion analysis of the energy consumption and carbon footprint of photovoltaic energy use through design of experiments (DOE) - Sergio Huber Corilla Pérez		
13:00 - 15:00	FREE TIME TO GO OUT FOR LUNCH				
15:00 - 15:30	ID:94 - Bryan E. Vela Noriega, Roberto Furukawa and Santiago Baldeon - Design and simulation of a hybrid vehicle for exploration of risks in underground mining - Roberto Sumiyoshi Furukawa Fukuda	ID:97 - Maria Jose Linares Velizarof and Moisés Nuñez Ochoa - Experimental Analysis of LoRa Technology Propagation Models for IoT Applications in Lima- Peru - Moisés Anibal Nuñez Ochoa	ID:100 - Kevin Celso Luque Gutierrez, Diana Luz Huallpa Apaza, Daniel Domingo Yanyachi Aco Cardenas and Juan Carlos Cutipa Luque - A propelled AUV simulator: A case of integration between Gazebo Harmonic and ROS 2 Iron - Kevin Celso Luque Gutierrez		Technology Fair (Companies) and Students
15:30 - 16:00	ID:101 - Christian Augusto Romero Goyzueta, Jose Emmanuel Cruz de la Cruz and Eudes Rigoberto Apaza Estaño - Regression Ensemble Techniques Bagging, Gradient Boosting and XGBoost to Predict the Power of Photovoltaic Systems in the High Andean Area - CHRISTIAN AUGUSTO ROMERO GOYZUETA	ID:102 - Rodrigo Bisetti and Soledad Espezuá - Spatiotemporal Analysis and Risk Profiling of Dengue in Lima and Callao: A Data-Driven Approach for Tailored Prevention Policies - RODRIGO ALONSO BISETTI ALCOCER	ID:103 - Nicolás Ismael Alayo Arias, Arely Fernanda Vega Peche and Rosmery Ramos-Sandoval - Investigating Patterns and Associations of Different Cancer Types in Peru: A Data-driven Approach - Nicolás Ismael Alayo Arias		
16:00 - 16:30	ID:104 - Ciara Mendez-Cruz, Camilo Silva-Cuzqui, Luz Vasco-Aredondo, Renzo Chan-Rios, Paulo Vela-Anton and Lewis De La Cruz - Proof of Concept: A TinyML-Based Image Classifier for Detecting Microplastics and Waste in Simulated Marine Environments - Ciara Solange Mendez Cruz	ID:107 - Ernesto Alonso Taypicahuana Loza, Jhon Antony Zelada Rodriguez, Anthony Dionicio Miranda Gil, Antero Castro Nieto and Samuel Gustavo Huaman Bustamante - UAV Onboard Hotspot Detection Using a Lightweight Thermal Camera and Embedded System - Ernesto Alonso Taypicahuana Loza	ID:108 - Claudia Castañeda and Oscar Ramos - Design of a Transtibial Prosthesis Prototype for Normal Walking Based on the Anatomical Measurements of an Average Peruvian Woman - Claudia Castañeda Vásquez		
16:30 - 17:00					Round table: Cibersecurity - USIL INTERNACIONAL 3 Personas
17:00 - 17:30					
17:30 - 18:00					

DAY 3 - INTERCON 2024: FRIDAY 8 OF NOVEMBER

Hora	C2 - F301	C2 - F302	C2 - F305	C2 - F402	Bedoya C2 A (Auditorio)	C2 - F403	C2 - F404			
08:00 - 09:00	REGISTER									
09:00 - 10:00										
10:00 - 10:30										
10:30 - 11:00										
11:00 - 11:30	ID:121 - Jose Bruno Gutierrez and Cesar Beltran Castañon - Comparative Evaluation of Machine Learning Classifier Algorithms for Electric Load Disaggregation Based on Average Power Signatures - Jose Luis Bruno Gutiérrez	ID:123 - Lucia Stefany Morales Perez, Carlos Alberto Paragua-Macuri, Dairo Alejandro Sánchez Talledo, Marco Elias Yovera Cortez and Melecio Paragua Morales - Development of an integrated web tool for assessing the energy consumption and carbon footprint of the photovoltaic cycle: A new perspective - Lucia Stefany Morales Pérez	ID:131 - Fabiola Gabriela Bosmans Flores, Valeria Yolanda Rodríguez Chacón, Ana Cristina Abarca Caqui, Madeleine Lourdes Palacios-Núñez and Linda Giovanna Pongo Alva - Artificial Intelligence and Industry: a bibliometric analysis - Valeria Yolanda Rodríguez Chacón	ID:132 - Diana Luz Hualpa Apaza, Kevin Celso Luque Gutierrez, Daniel Domingo Yanyachi Aco Cardenas and Juan Carlos Cutipa Luque - Modelling and LQG/LTR control of a propelled AUV in longitudinal dynamic - Diana Luz Hualpa Apaza	Dra. Ruth Esther Rubio Noriega - "Fotónica de silicio para aplicaciones de la siguiente generación"		Technology Fair (Companies) and Students			
11:30 - 12:00	ID:136 - Romina Cuique-Lopez, Angie M. Diaz, Nicole Unsihuay, César Albar C. and Lewis De La Cruz - Effect of Prolonged Smartphone Use on Trapezius and Neck Extensor Muscle Activity Using sEMG - Romina Daniela Cuique López	ID:137 - Brenda Maria Zavala Canales - Project Finance and Asset Management for Electric Transmission Lines in Peru - Brenda Maria Zavala Canales	ID:138 - Jhon Arotinco, Weizmann Gutierrez and Roberto Montero - Predictive model to avoid customer flight in insurance companies using Random Forest - Jhon Arotinco Quihui	ID:139 - Elmer Hugo Arellanos Tafur, Luis Humberto Dominguez Remigio, Moises Nuñez Ochoa and Jose Luis Ostos Marquez - Voice Recognition Acquisition and Storage System using VHDL and the DE1-SoC FPGA - Jose Luis Ostos Marquez						
12:00 - 12:30								KEYNOTE INTERCON : Dr. Jose Alberto Diaz Amado - "La Nueva Era de la Robótica: Percepción y toma de decisión en Sistemas Autónomos"		
12:30 - 13:00										
13:00 - 15:00	FREE TIME TO GO FOR LUNCH									
15:00 - 15:30	ID:140 - Marco Quispe, Javier Samaniego, Jorge Olivares, Mariano Chuchón, Marco Becerra and Saúl Inca - Transmission Loss Analysis of Indoor Building Materials in the 24-30 GHz Frequency Range - Marco Antonio Quispe Choquehuanca	ID:143 - Fernando Miguel Aurazo Alvarado, Emerson Maximo Asto Rodriguez and Fernando Javier Hurtado Butron - Identification and Estimation of the Taylor cone in electrospinning technique using the YOLO network - Fernando Miguel Aurazo Alvarado	ID:144 - Ines Katia Huaman Lima and E. Gladys Cutipa Arapa - Integration of Deep Learning Models and Explanatory Models to Optimize Maintenance of Mining Truck Engines - Ines Katia Huaman Lima	ID:146 - Glenn Lozano, Johan Baldeón, María Vanessa Vega Velarde and Ricardo Navarro - Dino Math Legacy: A Configurable Educational Video Game for Personalized Math Learning in Peruvian High Schools - Glenn Eduardo Lozano Tapia	Presentation IV: DIN Automatización Juan Carlos Hernostroza - "Hacia las soluciones del futuro: AR, IOT e IA en la era de la Industria 4.0"	Aprende Creando: Taller Tecnológico	Technology Fair (Companies) and Students			
15:30 - 16:00	ID:147 - Diana Isabel Cortez López, Anny Esmeralda Correa Diaz, Alejandra Valeria Chávez Yarangá, Jorge Guillermo Chavez Echajaya, Paco Aurelio Castillo Carreño, Nicole Alexandra Carrillo Aponte, Ariana Sasha Catañeda Andamayo, Maria Claudia Casanova Araujo and Michael Javier Cieza Terrones - INSPIRA: Telemonitoring system for patients with acute and chronic respiratory failure - Diana Isabel Cortez López	ID:149 - Soledad Espezua, Rodrigo Caballero and Edwin Villanueva - Enhanced Calibration Techniques for Low-Cost Particulate Matter Monitors - RODRIGO FERNANDO CABALLERO CHOCANO	ID:150 - Luis Velasquez and Sergio Aranda - Development and Implementation of an Interoperable and Flexible Supervisory Software for a Power Electric System in a Smart Grid - Luis Rodrigo Velasquez Viteri	ID:152 - Israel N. Chaparro-Cruz, Oliver I. Santana-Carbajal and Ebert F. Osco-Mamani - A Comparative Study of Convolutional Neural Networks for Oregon Diseases Classification in A Novel Dataset - Israel Nazareth Chaparro Cruz						
16:00 - 16:30	ID:153 - Ruben Callata Rosadio, Arturo Rojas Moreno and Dante Inga Narvaez - Real-Time Wireless Centralized Control of the Level-Temperature Process in a Multipurpose Tank - Dante Inga Narvaez	ID:156 - Oscar Ramos, Fabio Joaquín Zaldivar Benavides and Andrés Obludzyner - Kinematic Control for the Motion Generation of Robot Manipulators using MoMask LLM - Andrés Obludzyner Melzi	ID:158 - Benjamin Arriaga, Miguel Muñoz, Jose Ignacio Armas and Victor Andres Ayma Quirita - Monitoring and Analyzing SCO ₂ Concentrations and Vegetation Health in Lima, Peru Using Satellite Images - Miguel Alexis Muñoz Chavez	ID:160 - Joel Contreras Núñez, Piero Joel Contreras Calle and Jezzy James Huaman Rojas - Distributed photovoltaic microgeneration model to improve energy efficiency in residential supplies - Joel Contreras Núñez				Round table: Robotics and AI - USIL INTERNACIONAL - 3 Personas		
16:30 - 17:00										
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	CLOSING CEREMONY									