



EIRCON 2020 - Universidad Autónoma del Perú

Wednesday October 21th

10:00	10:30	Participants Check In (...) / Authors Check In (...)				
ROOM 1						
10:30	11:00	OPENING CEREMONY				
11:00	12:00	Keynote conference - "¿Por qué tenemos tan pocas ingenieras de software?" International Systems Engineering Conference Name: PhD. Perla Velasco Elizondo Afiliation: Universidad Autónoma de Zacatecas				
12:00	13:00	Networking Break				
13:00	14:30	Time for Lunch				
ROOM 2			ROOM 3			
14:30	14:50	Session 1	Paper # 17	Session 2	Paper # 15	
14:50	15:10		Paper # 28		Paper # 22	
15:10	15:30		Paper # 32		Paper # 23	
15:30	15:50		Paper # 33		Paper # 43	
15:50	16:10		Paper # 35		Paper # 49	
16:10	16:30		Paper # 40			
16:30	16:50					
16:50	17:10				Session 4	Paper # 2
17:10	17:30	Session 3	Paper # 38	Paper # 10		
17:30	17:50			Paper # 58		
17:50	18:30	Free time				
ROOM 1						
18:30	19:30	Keynote conference - "Investigación e innovación en la arquitectura" International Architecture Conference Name: Mg. Alberto Tejada Herrera Afiliation: Rostov Academy of Architecture and Art Russia				
19:30	20:30	Keynote conference - "Retos constructivos de gasoductos en la geografía peruana" International Conference on Civil Engineering Name: Ing. Rafael Alfonso Solano Magdaniel Afiliation: Universidad Texas A&M de Estados Unidos				

Papers by Topics/Areas	
	Smart IoT Systems & Applications
	Artificial Intelligence, Machine Learning, Cognitive Computing, and Avanced Analytics
	Virtual and Augmented Reality
	E-learning and Education
	Public Health Informatics
	Industrial and Systems Engineering
	Industrial automation and control

Thursday October 22th

09:00	09:30	Participants Check In (...) / Authors Check In (...)			
		ROOM 1			
09:30	09:45	Poster #1			
09:45	10:00	Poster #2			
10:00	10:15	Poster #3			
10:15	10:40	Poster #4			
10:40	11:00	Networking Break			
11:00	12:00	Keynote conference “Retos geotécnicos en la construcción de carreteras en el Perú” International Conference on Civil Engineering Name: Ing. Rafael Menéndez Acurio Affiliation: Universidad Texas A&M de Estados Unidos			
12:00	13:00	Networking Break			
13:00	14:30	Time for Lunch			
		ROOM 2		ROOM 3	
14:30	14:50	Session 5	Paper # 50	Session 6	Paper # 55
14:50	15:10		Paper # 70		Paper # 65
15:10	15:30		Paper # 71		Paper # 66
15:30	15:50		Paper # 78		Paper # 83
15:50	16:10		Paper # 99		Paper # 90
16:10	16:30		Paper # 88		
16:30	16:50				
16:50	17:10			Session 8	Paper # 12
17:10	17:30	Session 7	Paper # 13	Session 8	Paper # 18
17:30	17:50		Paper # 34		Paper # 47
17:50	18:30	Free time			
		ROOM 1			
18:30	19:30	Keynote conference: Modelos de auto-organización Aplicados a Redes Complejas International Conference on Industrial Engineering Name: Ing. Arles Ernesto Rodríguez Portela, Ph.D Affiliation: Universidad Konrad Lorenz-Colombia			
19:30	20:30	Keynote conference: “Mecatrónica en tiempos de pandemia: la ingeniería al servicio de la sociedad” International Systems Engineering Conference Name: M. en C. Sandra E. García Hdez Affiliation: Campus Morelia, Tecnológico de Monterrey			

Papers by Topics/Areas	
	Smart IoT Systems & Applications
	Artificial Intelligence, Machine Learning, Cognitive Computing, and Avanced Analytics
	Virtual and Augmented Reality
	E-learning and Education
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	Industrial and Systems Engineering
	Industrial automation and control

Friday October 23th

10:00	10:30	Participants Check In (...) / Authors Check In (...)				
ROOM 1						
10:30	11:15	<p>< Ç v } š } v (Œ v W ^ } Æ] • š] v } } v o u] } š v } o • P] } W , o u } • š U / U μ š } u š v } o } P _ _ W } v v] v } } v o / v P v] Œ _ / v μ • š Œ] o</p> <p>Name: Ec Raúl Vizcarra Chirinos Affiliation: Arquitecto de Soluciones BPO en Corporación Sapia</p>				
11:15	12:00	<p>Keynote conference: "Latinoamerican Smart Cities: Caso Perú" National Architecture Conference Name: Mg. Arq. Carmen Isabel Santillán Sarmiento Affiliation: Universidad César Vallejo</p>				
12:00	13:00	Networking Break				
13:00	14:30	Time for Lunch				
			ROOM 2	ROOM 3		
14:30	14:50	Session 9	Paper # 39		Session 10	Paper # 61
14:50	15:10		Paper # 53			Paper # 67
15:10	15:30		Paper # 57			Paper # 77
15:30	15:50		Paper # 73			Paper # 80
15:50	16:10		Paper # 45			Paper # 85
16:10	16:30					Paper # 110
16:30	16:50	Session 11	Paper # 96			
16:50	17:10		Paper # 103			
17:10	17:30		Paper # 112			
17:30	17:50			Session 12	Paper # 86	
17:50	18:30					Paper # 97
Free time						
ROOM 1						
18:30	19:30	<p>< Ç v } š } v (Œ v W ' • š] • v < μ] % } • • Œ Œ } o o } t > _ Œ ^</p> <p>International Systems Engineering Conference Name: Mg. Carlos Alberto López Hermoza Affiliation: SAP Solutions Project Leader at Everis a NTT DATA Company - Chile</p>				
19:30	19:35	CLOSING CEREMONY				

Papers by Topics/Areas	
	Smart IoT Systems & Applications
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ID	Authors	Paper Title	Presenter	Sesion	Date	Time	
2	Alfredo Junior Chiara Sotomayor and Laberiano Andrade-Arenas	Mobile application oriented to the attention of blood donors in the medical centers of northern Lima	Alfredo Junior, Chiara Sotomayor	4	21-Oct	16:50 - 17:10	
10	Antonio Casquero Jiménez and Jorge Pérez Martínez	5G networks in eHealth services in Spain: remote patient monitoring system	Antonio Casqueros Jiménez	4	21-Oct	17:10 - 17:30	
12	Jimy Oblitas	Terahertz Time-domain Spectroscopy (THz-TDS) for classification of blueberries according to their maturity	Jimy, Oblitas	8	22-Oct	16:50 - 17:10	
13	Ramón Johny Pretell Cruzado, Tatiana Freda Llajaruna Céspedes, Gian Pierre Fabrizio Bohorquez Coria and José Luis Herrera Salazar	Geobook: Mobile App with Augmented Reality for Learning Geometry	Ramón Johny Pretell Cruzado	7	22-Oct	17:10 - 17:30	
15	Fiorella Andrea Alejos Yarasca and Santiago Domingo Moquillaza Henríquez	Intelligent System Based on Wavelets for Automatic Facial Emotion Recognition	Fiorella, Alejos	2	21-Oct	14:30 - 14:50	
17	Erik Papa Quiroz, Alvaro Cuno, Wilber Ramos Lovón and Ever Cruzado	ECC usage on X.509 digital certificates	Erick, Papa	1	21-Oct	14:30 - 14:50	
18	Miguel Angel Cano Lengua and Erik Alex Papa Quiroz	A Systematic Literature Review on Support Vector Machines Applied to Classification	Miguel Angel Cano Lengua	8	22-Oct	17:10 - 17:30	
22	Ricardo Manuel Arias Velásquez and Jennifer Vanessa Mejía Lara	Varicella zoster early detection with deep learning	Ricardo Manuel, Arias Velasquez	2	21-Oct	14:50 - 15:10	
23	Diego Jesús Lozano-Mejía, Enrique Paul Vega-Uribe and Willy Ugarte	Content-Based Image Classification for Sheet Music Books Recognition	Willy, Ugarte Rojas	2	21-Oct	15:10 - 15:30	
28	Ricardo Manuel Arias Velásquez and Jennifer Vanessa Mejía Lara	E-mobility and PV Solar challenge in Peruvian radial distribution feeders	Ricardo Manuel, Arias Velasquez	1	21-Oct	14:50 - 15:10	
32	Ramón Johny Pretell Cruzado, Jose Luis Herrera Salazar, David Israel Nicolás Quispe and Josué Martin Nicolás Quispe	Mobile App for the Promotion of Home Services	Josue Martin, Nicolas Quispe	1	21-Oct	15:10 - 15:30	
33	Elmer Rodrigo Aquino Larico, Jose Manuel Ramos Cutipa and Leonidas Vilca Callata	Effect of dust and rain on the performance of a photovoltaic system at more than 3800 m altitude	Elmer Rodrigo, Aquino Larico	1	21-Oct	15:30 - 15:50	
34	Ramón Johny Pretell Cruzado, Davis Huaytan Huamán, Jimmy Rodas Capa and Mirtha Jesus Quipas Bellizza	IdeAR: Augmented Reality Applied to Reading Comprehension Stories	Davis Hugo Cesar, Huaytan Huaman	7	22-Oct	17:30 - 17:50	
35	Christian Augusto Romero Goyzueta, Jose Emmanuel Cruz de la Cruz and Cristian Delgado Cahuana	OpenVProxy: Low Cost Squid Proxy Based Teleworking Environment with OpenVPN Encrypted Tunnels to Provide Confidentiality, Integrity and Availability	Christian Augusto, Romero Goyzueta	1	21-Oct	15:50 - 16:10	

38	Ricardo Yauri Rodriguez and Milton Rios Julcapoma	Implementation of a sensor node for monitoring physiological signals with Websocket communication and data visualization in a node.js server over the Internet	Ricardo, Yauri	3	21-Oct	17:10 - 17:30	
39	Ricardo Yauri Rodriguez, Jinmi Lezama and Milton Rios Julcapoma	Wireless Low-Energy mote Based on Fuzzy Algorithms for Environments Quality Monitoring Applications	Ricardo, Yauri	9	23-Oct	14:30 - 14:50	
40	Michel Zarzosa Rojas, Darwin Auccapuri Quispetupa and Juan Paco Fernandez	Design and development of a multi-protocol and multi-function Datalogger for measuring hydric balance in a forest environment	Darwin, Auccapuri	1	21-Oct	16:10 - 16:30	
43	José Oviden and William Ipanaqué	Model predictive control with PWA models	Jose, Oviden	2	21-Oct	15:30 - 15:50	
45	Gisela Cujilema, Diego Avila-Pesantez, Alberto Arellano-Aucancela and George E. Figueras-Benitez	Evaluation of Nodes Location Mechanisms in Underwater Wireless Sensor Network using Aqua-sim NG	Gisela, Cujilema	3	23-Oct	15:50 - 16:10	
47	Carlos Ojeda, Jorge Reyes and Luis Paiba	An ergonomic electromechanical actuator for tower clamping systems for risk and fatigue reduction	Jorge Reyes	8	22-Oct	17:30 - 17:50	
49	Edgar Diaz Amaya, Manuel Maza Cortez and Herbert Melendez Garcia	Blockchain-based Website Solution for Controlling the Authorized Sale of Drugs in Peru	Herbert Antonio, Meléndez García	2	21-Oct	15:50 - 16:10	
50	Antonio Criollo, Miguel Mendoza, Eduardo Saavedra and Gustavo Vargas	Design and Evaluation of a Convolutional Neural Network for Banana Leaf Diseases Classification	Eduardo, Saavedra	5	22-Oct	14:30 - 14:50	
53	Michel Chino Quispe, Hector Miyashiro Asato and Jorge Luis Arizaca Cusicuna	Adaptive control of the transmitted power in a wireless link using SNR estimation algorithms on the SDR platform	Michel, Chino Quispe	9	23-Oct	14:50 - 15:10	
55	Gerson La Rosa Lama and Ismael Sánchez	Hybrid models based on mode decomposition and recurrent neural networks for streamflow forecasting in the Chira river in Peru	Ismael, Sanchez	6	22-Oct	14:30 - 14:50	
57	Paul Palacios, José Cornejo, Walter Castillo and Milton V. Rivera	Design of T-EVA: Wearable Temperature Monitoring System for Upper Limbs during Extravehicular Activities on Mars	Paul, Palacios	9	23-Oct	15:10 - 15:30	
58	Jimmy Armas, Eduardo Alberto Francia Bacilio and Joseph Steven Perez Rosas	Mobile solution to optimize process for healthcare delivery referral in pediatric patients with presumptive cancer diagnosis	Eduardo Alberto, Francia Bacilio	4	21-Oct	17:30 - 17:50	
61	Isabel del Pilar Moscol Albañil, Gleen Peltroche Saavedra, Victor Augusto Ruesta García and José Abelardo Sanchez Gonza	Prediction of the main quality parameters of fishmeal to automate the drying process using hyperspectral imaging and artificial neural networks	Gleen , Peltroche Saavedra	10	23-Oct	14:30 - 14:50	
65	Edson Rodrigo Fernandez Cornejo, Ricardo Cajo Diaz and William Ipanaqué Alama	PID Tuning based on Classical and Meta-heuristic Algorithms: A Performance Comparison	Edson Rodrigo, Fernandez Cornejo	6	22-Oct	14:50 - 15:10	

66	Rosa Gonzales-Martínez, Javier Machacuay and Cesar Chinguel	Real-Time Detection Method of Persistent Objects in Radar Imagery with Deep Learning	Rosa, Gonzales-Martínez	6	22-Oct	15:10 - 15:30	
67	Jean C. Campos, José Manrique and William Ipanaque	Dynamic Modeling and Validation of a Refrigeration System and Cold Room for Fruit Preservation	José, Manrique Silupú	10	23-Oct	14:50 - 15:10	
70	Anthony Sanchez, Ronald Tinco and José Luis Herrera Salazar	A mobile application based on expert judgment and their influence on investigations	Anthony, Sanchez Ramos	5	22-Oct	14:50 - 15:10	
71	Johan Joseph Nuñez-Quispe, Johrdan Huamanchumo-León, Daryl Campusano-Solis and Leonardo Milián-Ccopa	Performance comparison between PD and PID Controller in an upper limb Exoskeleton by analyzing an arm trajectory modeled with Image Recognition	Johrdan, Huamanchumo	5	22-Oct	15:10 - 15:30	
73	Ronald Paucar Curasma and Herminio Paucar Curasma	Assessment and proposal of a network monitoring system based on free software	Ronald, Paucar Curasma	9	23-Oct	15:30 - 15:50	
77	Gustavo Jamanca Lino, José Cornejo, Paul Palacios and José Napán	Conceptual Design of ARIES Rover for Water Production and Resource Utilization on the Moon	Gustavo, Jamanca Lino	10	23-Oct	15:10 - 15:30	
78	Tony Chuquizuta, Hubert Arteaga, Jimmy Oblitas and Wilson Castro	Application of Machine Learning in the Discrimination of Citrus Fruit Juices: Uses of Dielectric Spectroscopy	Jimmy, Oblitas	5	22-Oct	15:30 - 15:50	
80	Miguel Angel Castillo-Guevara, Facundo Palomino-Quispe, Ana Beatriz Alvarez and Roger Jesus Coaquira-Castillo	Water stress analysis using aerial multispectral images of an avocado crop	Miguel Angel, Castillo Guevara	10	23-Oct	15:30 - 15:50	
83	Aron Lo, Victor H. Ayma and Juan Gutierrez-Cardenas	A Comparison of Authentication Methods via Keystroke Dynamics	Aron, Lo	6	22-Oct	15:30 - 15:50	
85	Wilbert Quispe-Huamani and Efrain Zenteno	Modular Low-cost RF Instrumentation to Detect Metal Ions in Water	Efrain, Zenteno	10	23-Oct	15:50 - 16:10	
86	Michael Alejandro Cabanillas Carbonell, Angello Joel Canchaya Ramos and Renzo Gómez Osorio	Mobile application with augmented reality as a tool to reinforce learning in pre-Inca cultures	Renzo Jean Carlo, Gomez Osorio	12	23-Oct	17:10 - 17:30	
88	Michael Alejandro Cabanillas Carbonell and Jacob Israel Molina Astorayme	Predicting academic performance using automatic learning techniques: a review of the scientific literature	Jacob Israel Molina Astorayme	5	22-Oct	16:10 - 16:30	
90	Celso De La Cruz Casaño, Miguel Cataño Sánchez, Freddy Rojas Chávez and Wagner Vicente Ramos	Defect Detection on Andean Potatoes using Deep Learning and Adaptive Learning	Celso, De La Cruz	6	22-Oct	15:50 - 16:10	
96	Elmer Escandon and Christian Flores	Clustering of sEMG signals on real-life activities using fractal dimension and self-organizing maps	Elmer, Escandon	11	23-Oct	16:30 - 16:50	

97	Roberto Nureña-Jara, Christopher Ramos-Carrión and Pedro Nelson Shiguihara Juárez	Data collection and Feature Extraction of 3D spatial features of gestures from static peruvian sign language alphabet for sign language recognition	Cristopher Lizandro, Ramos Carrión	12	23-Oct	17:30 - 17:50	
99	Estefani Almeyda, Jayro Paiva and William Ipanaqué	Pest Incidence Prediction in Organic Banana Crops with Machine Learning Techniques	Estefani Marie, Almeyda Almeyda	5	22-Oct	15:50 - 16:10	
103	Noe Vidal Salvatierra Cotrina, Renato Sakanishi Andonayre and Christian Flores Vega	Epileptic Seizure Prediction from Scalp EEG Using Ratios of Spectral Power	Noe , Vidal	11	23-Oct	16:50 - 17:10	
110	Johan Joseph Nuñez-Quispe, Jhony Huarcaya Nina and Sergio Torres Jara	Study and application of wind rose for vertical and horizontal axis wind turbine installation in Lima	Johan, Nuñez-Quispe	10	23-Oct	16:10 - 16:30	
112	Michael Alejandro Cabanillas Carbonell, Lucero Alvarado Miranda and Miguel Zea Palomino	Analysis of UV technologies for disinfection of public areas: a systematic review	Lucero Alvarado Miranda	11	23-Oct	17:10 - 17:30	

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