

Time	Wednesday February 21, 2018			Thursday February 22, 2018			Friday February 23, 2018		
	Auditorium Guillermo & Sofia Jenkins (UDLAP)			Auditorium Guillermo & Sofia Jenkins (UDLAP)			Auditorium Guillermo & Sofia Jenkins (UDLAP)		
	Left Room	Central Room	Right Room	Left Room	Central Room	Right Room			
08:15-08:45	Registration								
08:45-09:00	Opening Ceremony - Central Room Presenter: Dr. Juan Horacio Espinoza								
09:00-09:30	Plenary Talk Experiences Learned from Developing Bio-medical Instruments in Taiwan Dr. Chi-Hung Hwang Instrument Technology Research Center (ITRC), Narlabs. Central Room Chair: Dr. Juan Manuel Ramirez			Plenary Talk Diffuse Light and Computing for Brain Imaging Dr. Felipe Orihuela-Espina National Institute of Astrophysics, Optics and Electronics (INAOE) Central Room Chair: Dr. Juan Horacio Espinoza			Plenary Talk The Biochemist Strikes Back Dr. Julio Lenin Domínguez Ramírez Universidad de las Américas Puebla Central Room Chair: Dr. Gibrán Etcheverry		
09:30-10:00									
10:00							Best Paper Award & Congress Closing		
Morning	Power Electronics I	Intelligent Systems I	Signal Processing	Electronics	Data Classification	Robotics and Mechatronics I			
Sessions	Chair: Dr. Pedro Bañuelos	Chair: Dr. Gerardo Ayala	Chair: Dr. Roberto Rosas	Chair: Dr. Rubén Alejos	Chair: Dr. Juan Carlos Galan	Chair: Dr. Gibrán Etcheverry			
10:00-10:30	24. A Sensorless Passivity-based Control for PMSM	4. Implementation of a multi-environment learning/teaching platform to improve the dental education quality	12. Identification and classification of eyes movement using EEG signals	23. Vadose zone hydraulic conductivity monitoring by using an arduino data acquisition system	13. Classification of artificial near-side cracks in aluminium plates using a GMR-based eddy current probe	9. Modeling a Robotic Arm with Conformal Geometric Algebra in a Brain-Computer Interface			
10:30-11:00	52. Input Current Ripple Cancellation by Interleaving Boost and Cuk DC-DC Converter	19. A Framework for Design and Development of Persuasive Mobile Systems	22. Consensus Socialization: A contribution to the Assessment Method Center based on the use of a smartpen and the Fast Fourier Transform	28. High-level design of a 2nd order DT-SDM via SIMSIDES and its FPAAs implementation	67. Driver Intent Data Analysis & Classification	14. A Method for Lane Recognition using Active Contours Model in Vehicular Roads			
11:00-11:30		43. An interactive ecosystem based on Borda voting schemes and serious games to support the discovery of aggressiveness and inhibition traits on scholar children	63. A Computational Tool for Analyzing The Turning Kicks in Martial Arts	39. Volume Optimization of Liquids for Dielectric Permittivity Measurements at Microwave Frequencies	75. Classification of network anomalies in flow level network traffic using Bayesian networks	16. Performance Comparison of 2D Slam Techniques Available in Ros using a Differential Drive Robot			
11:30-11:45	Coffee Break								
11:45-12:00				"Congress Official Photograph Taking All Participants are Welcome! Auditorium Front Entrance"					
Morning	Power Electronics II	Intelligent Systems II	Communications	Human Computer Interaction	Biomedical Engineering	Robotics and Mechatronics II			
Sessions	Chair: Dr. José Luis Vázquez	Chair: Dr. Daniel Vallejo	Chair: Dr. Oleg Starostenko	Chair: Dra. Ofelia Cervantes	Chair: Dra. Rocío Salazar	Chair: Dr. César Martínez			
12:00-12:30	54. The Resonant DC-DC Multilevel Boost Converter	56. Performance analysis of superimposed training-based cooperative spectrum sensing	3. Novel Microwave Dixel for Front-End Integration	10. Development of a Brain Computer Interface Interface using multi-frequency visual stimulation and deep neural networks	34. Characterization of intralipid-10% in the range of 400-700 nm using Light Emitting Diodes	53. A Deep Learning Approach Towards Autonomous Flight in Forest Environments			
12:30-13:00	55. Quadratic Buck-Boost Converter with Positive Output Voltage and Continuous Input Current	62. Algorithmic Music Composition Based on Artificial Intelligence: A Survey	49. Performance comparison of routing protocols in VANETS under black hole attack in Panama City	15. The Identity of the Protagonist in Brain-Computer Interfaces: A User-Centered Design Approach	40. Distance-frequency relation in a two dimensional cochlear model by mechanical resonance	65. Autonomous Flight Using RGB-D SLAM with a Monocular Onboard Camera Only			
13:00-13:30	61. Interleaved Resonant Switched Capacitor Voltage Multiplier	69. Multivariate features selection from demographic and dietary descriptors as caries risk determinants in oral health diagnosis: data from NHANES 2013-2014	59. Intelligent Wireless Network Deployment for Search and Rescue Situations	21. Virtual learning environment for children with disabilities: a proposal based on MOODLE and content management with Over the Top (OTT) technology	57. Multispectral light source for endoscopic procedures	73. Direct Torque Control of a PMSM-Drive for Electric Vehicle Applications			
13:30-14:00		72. Data repository of mobile applications for people with disabilities in the area of communication and language using data mining techniques	68. Feasible under extremely low frequency classical electromagnetic radiation by magnetized planets	47. Deep Fraud. A fraud intention recognition framework in public transport context using a deep-learning approach	60. Low-Cost Microcontrolled Based Wireless Heart Rate and Oxygen Saturation Monitor				
14:00-16:00	Lunch on Your Own								
16:00-17:00	Plenary Talk Correct-by-construction data manipulation Dr. Alberto Pardo Instituto de Computación, Universidad de la República, Montevideo, Uruguay Central Room Chair: Dra. Ofelia Cervantes			Plenary Talk Using Ontology and Ontology Networks in Information Systems Dra. Regina Motz Instituto de Computación, Universidad de la República, Montevideo, Uruguay Central Room Chair: Dr. José Luis Zechinelli					
17:00-19:00	Programming ABB robots using RobotStudio M.Sc. Eduardo López Room: LA-116 5:00pm - 7:00pm		Swift Coding Day Workshop Room: iOS Lab CE106 5:00 pm - 8:00pm	Mobile Applications for iOS Dr. Gerardo Ayala Room: iOS Development Lab 5:00 pm - 7:00pm					
19:00-21:00				UX Nights Auditorium Guillermo & Sofia Jenkins (UDLAP) 7:00 pm - 9:00 pm					
21:00-01:00				CONIELECOMP '18 COCKTAIL Salón Aquihuaac Posada Señorial Hotel					