

Time	Wednesday February 27, 2019			Thursday February 28, 2019			Friday, March 1, 2019			
	Auditorium Guillermo & Sofia Jenkins (UDLAP)			Auditorium Guillermo & Sofia Jenkins (UDLAP)			Auditorium Guillermo & Sofia Jenkins (UDLAP)			
	Central Room	Left Room	Right Room	Central Room	Left Room	Right Room				
8:15- 8:45	Registration									
08:45-09:00	Opening Ceremony - Central Room									
09:00-09:30	Plenary talk Towards Evidence Based Education and Learning with Learning Analytics Dr. Hiroaki Ogata Kyoto University Central Room Chair: Dr. Gerardo Ayala			Plenary talk Spiking neural models and its application in pattern recognition Dr. Roberto A. Vázquez Universidad La Salle México Central Room Chair: Dr. Roberto Rosas			Plenary talk From Author to Behavioral Profiling in Social Media Dr. Manuel Montes y Gómez Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE) Central Room Chair: Dra. Ofelia Cervantes			
09:30-10:00										
Morning sessions	Signal Processing and Pattern Recognition	Electronics and Communications	Artificial Vision	Robotics and Mechatronics	Signal Processing and Pattern Recognition	Electronics and Communications				
	Chair: Dr. Roberto Rosas	Chair: Dr. Pedro Bañuelos	Chair: Dr. Oleg Starostenko	Chair:Dr. César Martínez	Chair: Dr. Vicente Alarcón	Chair: Dr. Jorge Rodriguez				
10:00-10:30	61. Model Checking for Gaze Pattern Recognition	3. PWL Window Function for Nonlinear Memristive Systems	39. Algorithm of Weed Detection in Crops by Computational Vision	12. ADRC controller for weightlifter Humanoid robot	7. Generator of Synthetic Dopaminergic Signals	54. A 2.45-GHz circular polarization closed-loop travelling-wave antenna for cubesats	Best Paper Award & Congress Closing			
10:30-11:00	63. Prediction of Personality Traits in Twitter Users with Latent Features	6. RF/Microwave Energy Harvesting System in a Front-End using a Directional Filter	45. Tracking object using a TOF camera using the intensity and depth channel	23. A pendulum path tracking implemented in Hardware-In-the-Loop	38. Filters bank design based in the cochlear macromechanics for speech synthesis	57. Mono-Bit Quantizer Sigma-Delta Direct-Up Transmitter for UWB Using Simulink RF Blockset				
11:00-11:30	2. Novel Detection Methods for Securing Wireless Sensor Network Performance under Intrusion Jamming		68. Fall recognition system using feature selection and SVM: an empirical study	24. Decentralized Neural Block Control for a Robot Manipulator based in UKF training	52. Emotion Recognition using Facial Expressions in Children using the NAO Robot	15. Radiation Hardened High-Speed LVDS compliant Transceiver				
11:30-11:45	Coffee break									
11:45-12:00	Congress Official Photograph Taking All Participants are Welcome! Auditorium Front Entrance									
Afternoon sessions	Electronics and Communications	Biomedical Engineering	Intelligent Systems	Robotics and Mechatronics	Intelligent Systems					
	Chair: Dr. Rubén Alejos	Chair: Dr. Juan Horacio Espinoza	Chair: Dra. Jezabel Guzman	Chair:Dr. Jose Luis Vazquez	Chair: Dr. Jose Luis Zechinelli					
12:00-12:30	5. Wireless communication for railway applications: reactive and proactive protocols	4. Optical methods and image processing as a quantitative tool in photodynamic therapy: a proof of concept.	8. Prototyping an Augmented Reality Maintenance System for a Deep Well Vertical Turbine Pump	26. Flocking Model for Self-organized Swarm	22. Age and Gender Identification in Unbalanced Social Media	Design of custom prostheses Dr. Pablo Moreno Garibaldi Room CN103 12:30hr –15:00hr				
12:30-13:00	51. Experimental demonstration of transmission of High Definition Television signal using a microwave photonic notch filter	18. Image preprocessing to improve BAAR detection in smear microscopy to diagnose pulmonary tuberculosis.	13. Application of data fragmentation and replication methods in the cloud: a review	67. An Approach based on a Robotics Operation System for the Implementation of Integrated Intelligent House Services System	30. IoT-based panel for real time traffic data monitoring in Smart Cities: A case study in the Guadalajara Metropolitan Zone	Video game design using Reactive Programming Dr. Juan Carlos Galán Room BI 310 11:00hr – 14:00hr				
13:00-13:30	48. Energy Recycling Laboratory Experimental Test Bench for Three-Phase FACTS Devices Prototypes	34. Improvement of MRI images through heterogeneous interpolation techniques	16. Design topologies optimization in GPON networks based on population densities using k-means clustering algorithm		59. Differential Evolution Variants in Robust Optimization Over Time	Programming ABB robots using RobotStudio Mtro. Eduardo López Sánchez Room LA 116 13:00hr-15:00hr				
13:45-15:45	Lunch on your own									
16:00-17:00	Plenary talk Decentralized event-triggered leader-following consensus of VTOL-UAVs Dr. José Fermi Guerrero-Castellanos Benemérita Universidad Autónoma de Puebla Central Room Chair: Dr. Gibran Etcheverry			Plenary Talk Functional brain connectivity measured with non-invasive brain-computer interfaces Dra. Dania Gutiérrez Ruiz Centro de Investigación y de Estudios Avanzados (Cinvestav), Unidad Monterrey. Central Room Chair:Dra. Rocío Salazar						
17:00-19:00	Creating creators: Algorithms for music composition Mtro. Omar López Rincón Marco Antonio Gutiérrez Cárdenas Room:HU 314 17:00hr-19:00hr			State Machines on FPGA Mtro. Juan Antonio Arizaga Room: CN 115 17:00hr-19:00hr						
21:00-01:00	CONIELECOMP '19 COCKTAIL Posada Señorial Hotel									