

Time	Wednesday February 25, 2015			Thursday February 26, 2015			Friday, February 27, 2015
	Room Acozac	Room Cholula	Room Temetzin	Room Acozac	Room Cholula	Room Temetzin	
08:45-09:00	Opening Ceremony - Room Acozac						
09:00-09:30	Plenary Talk Creating Cognitively-Aware Decision Support Technology Prof. Cleotilde González Carnegie Mellon University Room Acozac Chair: Dr. Alfredo Sánchez Huitrón			Plenary Talk The Use of FPGAs in Data Acquisition Systems Dr. Sergio Vergara Limon Benemérita Universidad Autónoma de Puebla Room Acozac Chair: Dr. Gibrán Echeverry Doger			
Morning Sessions	Networks Chair: Dr. Vicente Alarcón	Communications Chair: Dr. Roberto Rosas	Soft Computing I Chair: Dr. José Luis Zechinelli	Power Electronics & Chair: Dr. Pedro Bañuelos	Robotics Chair: Dr. Daniel Vallejo	Biomedical Engineering Chair: Dr. Rubén Alejos	Tutorials
10:00-10:30	RECORDED TALK Paper #44 Impacts of Radiowave Propagation over TCP in Mobile Networks	Paper #15 Experimental transmission of digital signals in a fiber-radio scheme under external modulation at 2.0	Paper #9 CloudTB: A Quick and Reliable Testbed for Virtual Machine Based Cloud Computing Systems	Paper #7 Impact of Adverse Weather Conditions on Failure Rates of 154 kV Power Transmission Lines	Paper #47 Characterization of Two Force Sensors to be Used in a Robotic Hand	Paper #51 System for Application of Contrast Therapy and Transcutaneous Electrical Nervous Stimulation	Mechatronic Systems Modelling with Matlab and Simulink CN-115 Prof. David Báez López Universidad de las Américas Puebla PC-based bioinstrumentation CN-113 Edgar Guevara, PhD Universidad de las Américas Puebla
10:30-11:00	RECORDED TALK Paper #5 Hierarchically Distributed Architecture for Large-scale Integrated WAMPAC System	Paper #3 An Evaluation of QoS for intensive video traffic over 802.11e WLANs	Paper #36 Optimization Design of a Low Power Asynchronous DES for Security Applications Based on Balsa	Paper #53 Autotuning of P/PI Fuzzy Gains for a Rapid Control of a Brushless Motor in an Hybrid System	Paper #38 Decision Making for Obstacle Avoidance in Autonomous Mobile Robots by Time to Contact and Optical	Paper #50 High Sampling Rate Datalogger for the Characterization of Acceleration Signals on the	
11:00-11:30	RECORDED TALK Paper #10 Truthful Load-aware Service Selection: A Mechanism Design Method	Paper #16 Analysis and design of a reconfigurable antenna for ISM and GSM bands for cognitive radio applications.	Paper #58 A pattern-based approach to activity design in creative work supported by surface computing	Paper #48 Energy Efficiency of an Electric Arc Furnace with SVM-RFE	Paper #52 Curve fitting using polygonal approximation for a robotic writing task	Paper #24 Brain Computer Interface based on SSVEP for Controlling a Remote Control Car.	
Afternoon Sessions	Coffee break			FPGAs Chair: MS Eduardo López	Soft Computing II Chair: Dra. Ofelia Cervantes	Image Processing Chair: Dr. Oleg Starostenko	
11:30-11:45	Plenary Talk Big Visual Data for Dynamic Monitoring of Physical World Prof. Jenq-Neng Hwang University of Washington Room Acozac Chair: Dr. Roberto Rosas Romero			Paper #6 An FPGA Correlation-Edge Distance Approach for Disparity Map	Paper #32 Multivariate or Univariate Model Analysis For Indoor Location Systems: A Comparison	Paper #1 Low-complexity Pruned 8-point DCT Approximations for Image Encoding	
12:15-12:45				Paper #11 Neural Encoding and Spike Generation for Spiking Neural Networks implemented in FPGA	Paper #34 Quality control of mezcál combining multivariate analysis techniques and Raman spectroscopy	Paper #46 Tool calibration with an optical tracker for skull milling	
Afternoon Sessions	Computer Science Chair: Dr. Gerardo Ayala	Modelling Chair: Dr. José Luis Vázquez	Electronics Chair: Dr. David Báez	Paper #23 Test Bed for Low-Cost Measurement of AM/AM and AM/PM Effects in RF PAs based on FPGA		Paper #8 Hilbert vs. exponential Kernel functionals for Nonlocal Means image filtering	
12:45-13:15	Paper #31 An algorithm to approximate the chromatic number of graphs	Paper #49 Modeling and Simulation of an Electronic Circuit for Synchronizing Multi-Scroll Chaotic Oscillators	Paper #30 UniMESH: The Light-Weight Unidirectional Channel Network-on-Chip in 2D Mesh Topology	Round Table - Room Acozac Name: La Electrónica en Puebla Honored: Dr. José Miguel David Baez López Moderator: Dr. Ofelia Delfina Cervantes Villagómez Guests: - Dr. Bernardo Reyes Guerra, ITESM-Puebla - Dr. Guillermo Espinosa Flores-Verdad, INAOE - Dr. Jaime Cid Monjarraz, BUAP			
13:15-13:45	Paper #43 Author Attribution Using A Graph Based Representation	Paper #17 Modeling, Simulation, and Construction of a Furuta Pendulum Test-Bed	Paper #20 Sensing-Throughput Optimization for Cognitive Radio Networks under Outage Constraints and Hard Decision				
13:45-14:15	Paper #60 Computing Stable Semantics of AF by 0-1 Integer Programming		Paper #26 New Approximation for Cosine Wave Mapping Function to Transistor Level Circuit				
14:15-16:00	Lunch on your own						
16:00-17:00	ZigBee Wireless Sensor and Control Network BI-104 & BI-105 Ata Elahi, PhD	Raspberry Pi CN-112 Prof. Daniel Vallejo Universidad de las Américas Puebla	The Fundamentals of Android Mobile Applications Development CN-115 Prof. Gerardo Ayala San Martín Universidad de las Américas Puebla	Electrical Power Systems IA-122 David Romero, M.S. ETAP México	Raspberry Pi CN-112 Prof. Daniel Vallejo Universidad de las Américas Puebla	The Fundamentals of Android Mobile Applications Development CN-115 Prof. Gerardo Ayala San Martín Universidad de las Américas Puebla	Electrical Power Systems IA-122 David Romero, M.S. ETAP México
17:00-18:00	Southern Connecticut State University						
18:00-19:00							