

2015 International Conference on Computing Systems and Telematics (ICCSAT 2015)

Xalapa, Mexico
28 – 30 October 2015



IEEE Catalog Number: CFP15QAE-POD
ISBN: 978-1-4799-7640-9

TABLE OF CONTENTS

A System For Capture, Transmission And Mix Digital Audio	1
<i>P. Santos, A. Lobaina, F. Mountadi</i>	
Developing Of A Practical Teaching Method Of Digital Terrestrial Television Based On Software	5
<i>F. Mountadi, A. Lobaina</i>	
ON/OFF Protocol for the Life Extension of Low Energy Level Nodes in Wireless Sensor Networks	11
<i>C. Guzman-Medina, M. Rivero-Angeles, I. Orea-Flores</i>	
Parallel And Numerical Issues Of The Edge Finite Element Method For 3D Controlled-Source Electromagnetic Surveys.....	16
<i>O. Reyes, J. Puente, V. Puzyrev, J. Cela</i>	
An Optimized Collaborative Platform for Educational Cloud Computing in Application and Presentation Layers of OSI Model	22
<i>S. Ceballos, J. Leyva</i>	
A 910MHz=2.4GHz Easily Tunable Dual-Band Antenna for Power Harvesting and Sensor Networking Applications.....	27
<i>G. Zamora-Mejia, A. Diaz-Sanchez, J. Rocha-Perez, J. Martinez-Castillo</i>	
Social Networks: Generating Opportunities For Organizations And Users In Mexico.....	31
<i>M. Perez-Amezcua, M. Marquez, E. Fernandez</i>	
Digital Architecture to Implement a Piecewise-Linear Approximation for the Hyperbolic Tangent Function.....	36
<i>R. Callejas-Molina, V. Jimenez-Fernandez, H. Vazquez-Leal</i>	
Security Vulnerabilities of the Mexican Digital Invoices by Internet.....	40
<i>M. Chavez, F. Henriquez</i>	
Designing a Gateway IEEE1451-HL7 for E-health Telemonitoring Services.....	45
<i>R. Raul, C. Marfa, O. Dolores, V. Mabel, N. Ivan</i>	
REMMA Citizen Observatory: A Monitoring and an Alerting Real-Time System	51
<i>S. Rocha, A. Cristobal-Salas, N. Santes</i>	
A Sensor Network to obtain Real-Time Rain-Attenuation.....	56
<i>J. Cuevas-Ruiz</i>	
Reliability Analysis Sensors Based on Embedded System.....	61
<i>R. Leal, A. Lopez, A. Leobardo, H. May, J. Castillo</i>	
Design of an Advanced Telemetry Mission using CanSat	66
<i>E. Bautista-Linares, E. Morales-Gonzales, M. Herrera-Cortez, E. Narvaez-Martinez, J. Martinez-Castillo</i>	
Usability Test Of A SCADA System For Monitoring And Operating An Experimental Wind Rotor	70
<i>G. Toledo-T, R. Rosales-L, M. Hernandez, J. Arellano-P</i>	
A Flooding Routing Algorithm For A Wireless Sensor Network For Seismic Events	76
<i>J. Munoz, R. Gonzalez, A. Otero, L. Gazca, M. Huerta, G. Sagbay</i>	
UHF RFID Antennas Integrated On Flexible Substrate For Health Care Environments.....	82
<i>L. Lagunes-Aranda, A. Martinez-Lopez, J. Martinez-Castillo, C. Calderon-Aguirre, L. Morales-Mendoza, M. Gonzalez-Lee</i>	
Study of Failures in Interconnection Wires Between Basic Digital Gates.....	88
<i>S. Jimenez-Reyes, G. Zamora-Mejia, J. Cano-Martinez, L. Lagunes-Aranda, J. Garcia-Gervacio, J. Martinez-Castillo</i>	
The Development Of A Software Architecture For An Environmental Education Platform	93
<i>F. Iniguez-Lopez, K. Cortes-Verdin, G. Vega, J. Arriaga, A. Gonzalez</i>	
Global Model MOHYSE, A New Tool To Assess The Effect Of Hydro-Meteorological Phenomena In The Tropics	99
<i>S. Zavaleta, M. Gonzalez, R. Lopez, A. Poulin, M. Glaus, E. Bandala, E. Gonzalez</i>	
Management of Scientific and Technological Research.....	106
<i>C. Arellano, G. Ruiz, L. Segundo</i>	
Deploying Agents Assistance Collaborative Communities	112
<i>C. Carreto, G. Ruiz, R. Herrera</i>	
Optical Character Recognition Based on Phase Features	118
<i>J. Diaz-Escobar, V. Kober</i>	
Author Index	