

## Program Friday, October 21

9:00	Technical Session XXXIII: Power Systems IV	Country
#	Chair : Carolina Lagos (Chile), Hermom Leal ( Brazil)	
55	Diana Cevallos, Anabel Pilicita, Darwin Alulema, Darwin Aguilar, Derlin Morocho and Francisco Encalada. <i>Design and Implementation of a Prototype for Remote Monitoring of Electricity Consumption across a Zigbee Network with Xbee Modules</i>	Ecuador
20	Victor Vimos, Erwin Sacoto and Diego Morales. <i>Definición conceptual de Arquitectura: Implementación de una red de sensores usando dispositivos Arduino y aplicaciones multiplataforma mediante el estándar OPC UA</i>	Ecuador
124	Hermom Leal Moreira, Miguel Edgar Morales Udaeta, Jose Aquiles Baesso Grimoni and Gérman Israel Casillas Peña. <i>Analysis of Expansion Planning Model of the Electricity Sector of North America and your Applications in Smart Grids</i>	Brazil
108	Carolina Lagos, Guillermo Fuertes, Raúl Carrasco, Sebastián Gutierrez, Manuel Vargas and Rafael Rodrigues. <i>Facing the data analysis complexity for the energetic efficiency management at great copper mining, in Codelco Chuquicamata, Chile</i>	Chile; Brazil

9:00	Technical Session XXXIII: Power Electronics II	Country
#	Chair : Javier Muñoz (Chile), Marco Rivera (Chile)	
140	Rodrigo Aliaga, Javier Muñoz, Fausto Cadena and Johan Guzman. <i>Voltage Source Converter based STATCOM With Predictive and Fuzzy Control</i>	Chile
148	Usman Nasir, Marco Rivera, Sergio Toledo, Alessandro Costabeber and Patrick Wheeler. <i>A Review of Power Converters Topologies with Medium/High Frequency Transformers for Grid Interconnection Systems</i>	UK; Chile
110	Israel Casillas, Nelson Kagan, Juan Carlos Cebrian and Hermom Leal Moreira. <i>Voltage Regulators Allocation in Distribution Networks System Considering Energy Resources Distributed .</i>	Brazil

9:00	Technical Session XXXV: Artificial Intelligence	Country
#	Chair : Juan Vignerte (Argentina), Francisco Watkins (Chile)	
100	Juan Vignerte, Daniel Orlando Anaut, Carlos Agüero and Guillermo Di Mauro. <i>Optimal configuration of capacitor banks by ACO (Ant Colony Optimization)</i>	Argentina
17	Xinyu Wang, Da Chen, Tao Yang, Bo Hu and Jianqiu Zhang. <i>Action Recognition Based on Object Tracking and Dense Trajectories</i>	China
118	Carlos Catalán and Francisco Watkins. <i>Speech Recognition using Wavelet Coefficients and Mel-Frequency Cepstral Coefficients (Reconocimiento de Voz usando Coeficientes Cepstrales en las Frecuencias de Mel basados en Análisis Wavelets)</i>	Chile
33	Ivan Oliveira Lopes and Alexandre César Rodrigues Da Silva. <i>Robust Digital Watermarking by Image Decomposition</i>	Brazil

9:00	Technical Session XXXVI: Electrical Machinery II	Country
#	Chair : Mario Tapia (Chile), Magno Ayala (Paraguay)	
35	Luis Delfin Rojas Puron. <i>Neural networks based estimator for efficiency in VSI to PWM of induction motors drives</i>	Brazil
99	Mario Tapia, Alvaro Hoffer and Juan Tapia. <i>Analysis of the magnetizing current requirement of an axial flux squirrel cage induction machine</i>	Chile
130	Angie Daniela Vasquez-Calderon, Janire Guerrero-Parra and Hermann Raul Vargas-Torres. <i>MAQ MS: Modeling and Simulation Algorithm of Synchronous Machine Using Parallel Processing and Partitioned Solution.</i>	Colombia
147	Magno Ayala, Osvaldo Gonzalez, Jorge Rodas, Raul Gregor and Marco Rivera. <i>Predictive Control at Fixed Switching Frequency for a Dual Three-Phase Induction Machine with Kalman Filter-Based Rotor Estimator</i>	Paraguay; Chile