
Bogota, Colombia
28 – 30 October 2015
## Special Session on Computational Intelligence – Session 1 (Computational Intelligence 1)

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   Jose Castellanos and Leonardo Gonzales

ID 31 - Simulation of Social Problems using System Dynamics
   German Mendez Giraldo, Lindsay Alvarez Pomar and Eduyn Lopez Santana

ID 39 - Transport Infrastructure load and the safety food in the city of Bogota
   Javier Arturo Orjuela Castro, William A. Casilimas G and Milton Mauricio Herrera R.

Special Session on Control (Control)

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   Vinicius Falchetto, Janito Vaqueiro Ferreira and Ruben Dario Hernandez Beleño

ID 17 - Estimation of longitudinal and lateral tire forces in a commercial vehicle
   Carlos Reyes, Olmer Garcia, Pablo Siqueira Meirelles and Janito Vaqueiro Ferreira

ID 48 - Urban Traffic control in the city of Medellín: A PID control approach
   Laura Maria Norena, Anna Maria Sarrazola, Andrés Acosta, Alejandro Marquez, Jairo J Espinosa and Jorge Espinosa

Session on Miscellaneous topics (Miscellaneous)

ID 36 - Navigating through the Linking Open Data cloud datasets: preliminary ideas of a visual search tool based on its defined domains
   David Martín Moncunill, Paulo Alonso Gaona-García and Enayat Rajabi

ID 64 - Development of a Mobile Application in Augmented Reality to Improve the Communication Field of Autistic Children at the Neurorehabilitar Clinic
   Fabian Steven Garay Rairan, Wilson Rodríguez Arias and Wilmer Pérez Betancourt

ID 66 - Strategic planning of information from research and volcano monitoring institutions in Latin America
   Cristhian Lombana Criollo, Adán Beltrán Gómez, Natalie Ortiz, Guerrero, Hugo Delgado Granados

Special Session on Computational Intelligence – Session 2 (Computational Intelligence 2)

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   Nychol Bazurto, Helbert Espitia and Carlos Martínez

ID 45 - Identification of a Permanent Magnet Synchronous Generator using neuronal networks
   Helbert Espitia and Guzmán Díaz González

ID 62 - Some considerations on adaptive stop tables for TransMilenio services
   Sergio Rojas-Galeano
Special Session on Optimization (Optimization)

ID 15 - Local and Global Path Generation for Autonomous Vehicles Using Splines
  Randerson A. Lemos, Olmer Garcia and Janito Vaqueiro Ferreira

ID 18 - A mixed integer optimization model to designing of selective collection routing for domestic solid waste
  Yesica Xiomara Daza Cruz, Johana Andrea Patiño Chirva and Eduyn Ramiro Lopez Santana

ID 30 - A Random Algorithm for Designing the System Matrix in Compressive Spectral Imaging by Homogenizing its Structure
  Camilo Noriega, Yuri Mejía and Henry Arguello

Special Session on Statistics (Statistics)

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  Pedro Mariño and Alex Zambrano

ID 46 - Geostatistics applied to study particulate matter PM10 in Mexico City for, January 2014
  Natalia Ospina and Diana Avellaneda

ID 61 - Geostatistical Modeling For Temperature Anomaly In Season The El Niño Phenomenon of El Niño in the Department of Boyaca – Colombia
  Camilo Florez and Jennyfer Martinez

Special Session on Networks (Networks)

ID 14 - Failure Modeling in a WDM Optical Burst Switched Network
  Elkin Fabián Aguas Martínez, Juan Sebastian Calderón Ríos and Gustavo Adolfo Puerto Leguizamón

ID 27 - Communication System for a Soil Monitoring Network at Valle del Cauca
  Melissa Eugenia Diago Mosquera and Javier Ali Carbonell González

ID 50 - Next generation networks under the SDN and OpenFlow protocol architecture
  Roberto Ferro, Yesid Diaz and Carlos Martinez

ID 58 - Measurement Infrastructure on Microgrids Using Wireless Sensors
  Fernando Bernal, Natalia Cancino and Elvis Eduardo Gaona García

Special Session on Simulation (Simulation)

ID 19 - Conceptual design of multi-agent system for load balancing in queueing networks: a review of concepts and techniques
  Eduyn Ramiro Lopez Santana, Gustavo Flore and Germán Andrés Méndez Giraldo

ID 29 - Configuration of Propagation Models for Computational Simulation of Different Telecom. Services
  Trady Alexander Avila Vargas, Javier Enrique Arévalo Peña, Jorge Guillermo Barrera Medina, Juan David Zapata Pulido and Martha Liliana Suárez Peñaloza

ID 41 - Design of a Model of Emerging Joint Actions in Human Social Systems based on the Interaction between Agents
  Luz Esperanza Bohórquez Arevalo and Jorge Eliécer Posada Pinzón
**Session on Electrical Engineering (Electrical Engineering)**

ID 1 - Review of NTC 2050 and NFPA 70 on their section dedicated to equipments for electrical vehicles recharge systems

*Hector Ortega and Javier Rosero*

ID 11 - Instrumentation and control of a DC motor right through the ubidots platform

*Jackson Steward Rios Sastoque, Cesar Augusto Romero Molano and Diego Esteban Molina Molina*

ID 23 - Three-phase multilevel inverter with Selective Harmonic Elimination.

*Luis David Pabón Fernández, Jorge Luis Díaz Rodriguez and Marco Alfredo Jaimes Carvajal*

ID 12 - Comparative analysis between definitions of unbalance voltage

*Alex Rodriguez, Fabian Martínez Fuentes and Adolfo Andres Jaramillo Matta*