ID	Conference	Track	Schedule
73	PLATANO: Intelligent Technological Support Platform for Azuay province Farmers in Ecuador	TR01 WEB APPS - PP2	Monday 14th IMAX 12:30 - 13:30
6	Wireless Sensor Network Prototype for Condition Monitoring of Holding Furnaces in Aluminum Casting Plant	TR02 IOT - PP1	Monday 14th Teatro Digital 12:30 - 13:30
3	Mobile Positioning for IoT-based Bus Location System Using LoRaWAN	TR02 IOT - PP2	Monday 14th Teatro Digital 12:30 - 13:30
40	Smoke Detection in Video using a Raspberry Pi	TR02 IOT - PP3	Monday 14th Teatro Digital 12:30 - 13:30
60	Energy Demand Assessment for water in the residential sector in Mexico	TR03 ATTENDING SOCIAL NEEDS - PP1	Monday 14th IMAX 16:00 - 17:50
76	Perspectives of distributed and off-grid systems for the delivering of electricity to rural areas	TR03 ATTENDING SOCIAL NEEDS - PP2	Monday 14th IMAX 16:00 - 17:50
17	Financing of Photovoltaic Systems for low consumption users	TR03 ATTENDING SOCIAL NEEDS - PP3	Monday 14th IMAX 16:00 - 17:50
41	Plant Location, Inventory Levels and Supply of Products to Areas Affected by a Natural Phenomenon	TR03 ATTENDING SOCIAL NEEDS - PP4	Monday 14th IMAX 16:00 - 17:50
22	The Exoskeleton: Electro Stimulating Rehabilitation	TR03 ATTENDING SOCIAL NEEDS - PP5	Monday 14th IMAX 16:00 - 17:50
5	Internet of Things: Low Cost Monitoring BeeHive System using Wireless Sensor Network	TR04 IOT - PP1	Monday 14th Teatro Digital 16:00 - 17:50
1	Low Cost CO Detector Integrated with IoT	TR04 IOT - PP2	Monday 14th Teatro Digital 16:00 - 17:50
8	Low Cost Greenhouse Monitoring System Based on Internet of Things	TR04 IOT - PP3	Monday 14th Teatro Digital 16:00 - 17:50

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54	Development of a Monitoring System for CO_2 with Android	TR04 IOT - PP4	Monday 14th Teatro Digital 16:00 - 17:50
50	Electronic Dispositive for Measure Corrosion Rate	TR04 IOT - PP5	Monday 14th Teatro Digital 16:00 - 17:50
24	Analysis of HfO_2 effect on the electrical performance of a-SiGe:H TFTs using numerical simulations	TR05 MICRO & NANOTECHNOLOGY - PP1	Tuesday 15th IMAX 10:00 - 11:30
71	Design and characterization of liquid nanocapsules of rosemary oil (Rosmarinus officinalis L.)	TR05 MICRO & NANOTECHNOLOGY - PP2	Tuesday 15th IMAX 10:00 - 11:30
30	Matrix array of CMOS photodetectors for brain transillumination	TR05 MICRO & NANOTECHNOLOGY - PP3	Tuesday 15th IMAX 10:00 - 11:30
59	Design and Modeling of a Microfluidic Device with Potential Application for Isolation of Circulating Tumor Cells	TR05 MICRO & NANOTECHNOLOGY - PP4	Tuesday 15th IMAX 10:00 - 11:30
72	Data Fusion of Physical Variables as Bearing for the User Thermal Comfort Analysis in Closed Environments	TR06 ONLINE PAPERS - PP1	Tuesday 15th Teatro Digital 10:00 - 11:30
49	Inrush Current Discrimination In Power Transformer Using Discrete Packet Transform Technique	TR06 ONLINE PAPERS - PP2	Tuesday 15th Teatro Digital 10:00 - 11:30
13	Development of a prototype for ocular monitoring with infrared light	TR06 SIGNAL PROCESSING - PP2	Tuesday 15th Teatro Digital 10:00 - 11:30
35	EOG-based interface and speech recognition to control a wheelchair for patients with severe spinal cord injuries	TR06 SIGNAL PROCESSING - PP3	Tuesday 15th Teatro Digital 10:00 - 11:30
47	Design and implementation of a third-order Chebyshev bandpass microstrip filter with coupled lines for digital television	TR06 SIGNAL PROCESSING - PP4	Tuesday 15th Teatro Digital 10:00 - 11:30
44	An iterative method of constant slope for solution of nonlinear equations in electrical power systems	TR07 POWER & ENERGY SYSTEMS - PP1	Tuesday 15th IMAX 16:00 - 19:00
27	Detection of misalignment in motor via transient current signature analysis	TR07 POWER & ENERGY SYSTEMS - PP2	Tuesday 15th IMAX 16:00 - 19:00

77	Study of harmonic content and influence of common electrical appliances used in residential installations	TR07 POWER & ENERGY SYSTEMS - PP3	Tuesday 15th IMAX 16:00 - 19:00
53	Temperature detection system applied to an electrical substation in Lima Norte	TR07 POWER & ENERGY SYSTEMS - PP4	Tuesday 15th IMAX 16:00 - 19:00
25	Visual level optimization for a device for detecting clandestine connections in low voltage lines in Lima-Peru	TR07 POWER & ENERGY SYSTEMS - PP5	Tuesday 15th IMAX 16:00 - 19:00
12	Comparative study of competences in higher education students	TR08 ENGINEERING EDUCATION - PP1	Tuesday 15th Teatro Digital 16:00 - 19:00
33	Cross-sectional study of digital competences in the school trajectory of higher education students (E-skills)	TR08 ENGINEERING EDUCATION - PP2	Tuesday 15th Teatro Digital 16:00 - 19:00
64	Usability evaluation of Brain Computer Interfaces: Analysis of methods and tools	TR08 ENGINEERING EDUCATION - PP3	Tuesday 15th Teatro Digital 16:00 - 19:00
65	Graphical User Interface as a Preliminary Structural Design Educative Tool for a Vessel.	TR08 ENGINEERING EDUCATION - PP4	Tuesday 15th Teatro Digital 16:00 - 19:00
11	Proposal for a Computer System for Vocational Guidance with Data Mining	TR08 ENGINEERING EDUCATION - PP5	Tuesday 15th Teatro Digital 16:00 - 19:00
58	Analysis of energy consumption due to electrical charging gadgets within educational facilities	TR08 ENGINEERING EDUCATION - PP6	Tuesday 15th Teatro Digital 16:00 - 19:00
39	Towards team performance visualization in collaborative systems	TR08 ENGINEERING EDUCATION - PP7	Tuesday 15th Teatro Digital 16:00 - 19:00
70	A review on quantum dot solar cells: properties, materials, synthesis and devices	TR09 CLEAN ENERGIES - PP1	Wednesday 16th IMAX 10:00 - 11:30
68	Comparative of wind systems vs photovoltaic for the implementation in the electric network of Veracruz Port	TR09 CLEAN ENERGIES - PP2	Wednesday 16th IMAX 10:00 - 11:30
18	Comparison of Optimization Methods for Hybrid Renewable Energy Systems	TR09 CLEAN ENERGIES - PP3	Wednesday 16th IMAX 10:00 - 11:30

61	Production of biogas under thermophilic and mesophilic conditions of fruit and vegetable waste from the "Emiliano Zapata" market in Orizaba, Veracruz	TR09 CLEAN ENERGIES - PP4	Wednesday 16th IMAX 10:00 - 11:30
37	Evaluation of Wireless Network Based on ZigBee Technology Using XBee Modules	TR10 SENSOR NETWORKS - PP1	Wednesday 16th Teatro Digital 10:00 - 11:30
38	Zigbee Networks in Teaching Environments	TR10 SENSOR NETWORKS - PP2	Wednesday 16th Teatro Digital 10:00 - 11:30
55	A Portable and Wireless System for Monitoring Hand Tremors in Parkinson's Disease Patients	TR10 SENSOR NETWORKS - PP3	Wednesday 16th Teatro Digital 10:00 - 11:30
46	Fall recognition system: a review	TR10 SENSOR NETWORKS - PP4	Wednesday 16th Teatro Digital 10:00 - 11:30
14	Robotical Implementations of Collision-Free Path Planning for Terrestrial Systems using RGPPM	TR11 ALGORITHMS - PP1	Wednesday 16th IMAX 16:00 - 18:30
9	Decreasing False Positive Detection of Gaussian Watermarks by Means of Fractional Calculus Principles.	TR11 ALGORITHMS - PP2	Wednesday 16th IMAX 16:00 - 18:30
36	Indoor Fire Simulation with Avoidance Path Planning.	TR11 ALGORITHMS - PP3	Wednesday 16th IMAX 16:00 - 18:30
19	Numerical Analysis of an Offshore Pratol Vessel to work in the GoM Using the Finite Element Method	TR11 ALGORITHMS - PP4	Wednesday 16th IMAX 16:00 - 18:30
4	Vehicles Location using Probabilistic Broadcasting in Mobile Ad Hoc Networks	TR11 ALGORITHMS - PP5	Wednesday 16th IMAX 16:00 - 18:30
57	Scenario Creation with Room Labelling: Iterative and Recursive Comparison	TR11 ALGORITHMS - PP6	Wednesday 16th IMAX 16:00 - 18:30
66	Requirements Analysis for Tangible User Interfaces for Collaborative Use	TR11 ALGORITHMS - PP7	Wednesday 16th IMAX 16:00 - 18:30
62	Virtual and Remote Experimentation in Database Learning	TR12 ARTIFICIAL INTELLIGENCE & OTHER - PP1	Wednesday 16th Teatro Digital 16:00 - 18:30

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10	Virtual Motion Detection Method Using Fuzzy Logic for an Embedded System	TR12 ARTIFICIAL INTELLIGENCE & OTHER - PP2	Wednesday 16th Teatro Digital 16:00 - 18:30
42	DGA analysis of transformer using Artificial neutral network(ANN to improve reliability in Power Transformers	TR12 ARTIFICIAL INTELLIGENCE & OTHER - PP4	Wednesday 16th Teatro Digital 16:00 - 18:30
66	Implementation of fuzzy controller in different embedded systems	TR12 ARTIFICIAL INTELLIGENCE & OTHER - PP5	Wednesday 16th Teatro Digital 16:00 - 18:30
43	Programming logical controllers using remote labs and virtual reality	TR12 ARTIFICIAL INTELLIGENCE & OTHER - PP6	Wednesday 16th Teatro Digital 16:00 - 18:30
26	Implemented strategies for the saving of energy in a liquid sulfur tank: Case the maritime terminal of Coatzacoalcos, Mexico	TR13 ENERGY & MATERIALS - PP1	Thursday 17th IMAX 10:00 - 11:00
45	Exergetic analysis of a Brayton-Stirling combined cycle operated with biogas from a swine farm	TR13 ENERGY & MATERIALS - PP2	Thursday 17th IMAX 10:00 - 11:00
28	Patch antenna design for UHF RFID systems	TR14 FILTER SYSTEMS - PP1	Thursday 17th Teatro Digital 10:00 - 11:00
31	Bandwidth Adjustment of a Microwave Filtered Signal by using an Optical Bandpass Filter	TR14 FILTER SYSTEMS - PP2	Thursday 17th Teatro Digital 10:00 - 11:00

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