

EDITORIAL

In November 2015, the *First International Conference on Technology and Electrical Engineering* (CITIE 2015) was held in the university library Aduanilla de Paiba, Bogotá D.C., Colombia. This special issue has its origins in the conference. The development of this international conference coincides with the issuance by the Ministry of National Education of Resolutions 16279 and 16280 of September 30, 2015, where, after a long wait, is awarded to the District University Qualified Registers for seven (7) years of academic programs in Media and Low Voltage Electrical Systems Technology articulated by propaedeutic cycles with the program Electrical Engineering, and Electrical Engineering program articulated by propaedeutic cycles with the program Media and Low Voltage Electrical Systems Technology. In this regard, the conference somehow becomes a celebration for the entire academic and administrative body that is part of the electrical area of the District University.

And the celebration went all out. The talks were given by distinguished people in their field. By the areas of control, robotics and computer science was counted with the visit of Prof. Steven LaValle at the University of Illinois at Urbana-Champaign (USA). During his lecture, Prof. LaValle speaks of the present and future of virtual reality, and officially presented the Oculus Rift, a small piece of technology that will completely revolutionize the world. In the area of telecommunications we had the Prof. Ignacio Castillo (Mexico), Distinguished Visitor Speaker Program at IEEE Computer Society, who shared his vision of smart city, particularly with the integration of Smart Grid.

The traditional fields of electrical engineering also played a large share of participation. Prof. Carlos Ramirez (Colombia)

at the Autonomous University of Colombia, professor awarded nationally on multiple occasions, brought to discussion the issue of demand response in electricity markets. By the side of industry, the Dr. Dario Perdomo Fontalvo (Colombia) senior project manager for the Generation Engineering Area at Empresas Públicas de Medellín EPM, shared his ideas on the reactive as complementary services. Prof. Ivan Valencia (Mexico), another professional with multiple awards, discussed the issue of energy audits. Prof. Andrés Romero (Argentina), professor, researcher and consultant for the IEE-UNSJ-CONICET and member of the Career of Scientific and Technological Research from the CONICET, raises the discussion on the management of electrical assets and risk assessment of power transformers parks. Finally, to complete the research areas of the conference, in terms of engineering education, the event was attended by Dr. Lucía Tarazona de Niño (Colombia), national and international consultant in the education and social sectors, who discussed the challenges of technical and technological education from the local and global point of views.

These topics are also reflected in a total of 23 lectures that were accepted, presented and discussed during the event, and whose papers shape this issue of the journal. These papers went through an evaluation process by national and international experts, which finally gave to the CITIE 2015 an acceptance rate of 62%.

Finally, we wish to thank the referees for their excellent and timely work evaluating the postulates manuscripts, the Faculty of Engineering and Technological Faculty of the District University, the Doctorate in Engineering, the Center of Scientific Research

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