



# 2016 IEEE FIRST INTERNATIONAL CONFERENCE

on

## Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016)

4-6 JULY, 2016, Delhi Technological University, Main Bawana Road, Delhi-110042, India

Conference URL: [www.icpeices2016.in](http://www.icpeices2016.in)

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## CALL FOR PAPERS

### Background:

The IEEE PELS-IES and IEEE PES-IAS Delhi chapter are organizing First IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES) from July 04 – 06, 2016 at Delhi Technological University, Delhi, India. IEEE Conference will have paper presentations, tutorials and exhibition.

### About DTU:

Delhi Technological University (DTU) was established in 1941 as Delhi Polytechnic. In the year 1965, it was renamed as Delhi College of Engineering, the college was under the Delhi Administration, Govt. of India and affiliated to the University of Delhi since 1952. In July 2009 DCE was upgraded to a state university and renamed as Delhi Technological University. It offers courses towards Bachelor of Technology (B.Tech.), Master of Technology (M.Tech.), Doctor of Philosophy (Ph.D.) and Master of Business Administration (MBA). The University also offers B.Tech. (Evening) program for Diploma holders in employment.

### Conference Theme:

**Applications of Control Systems and Power Electronics for sustainability of Energy Systems:** The conference will provide an opportunity to the practicing engineers, academicians and researchers to meet in a forum to discuss various issues in power electronics, solid state devices and its switching techniques, applications in drives, electric traction, fuzzy control, neural network control, evolutionary control, smart grid, HVDC, power system operation, FACTS, microwave, instrumentation etc. In view of the changing scenario under restructured power system and advancement in soft computing techniques, the conference aims to put together the experts from the relevant areas to disseminate their knowledge and experience for working towards intelligent control, smart grid and energy sustainability in the years to come.

### Areas to be covered, but not limited to-

Authors are requested to send their original papers based on research work/field experience in the categories listed below.

### Track 1- Application of Power Electronics in Power Systems

Power Quality, Smart Grids, HVDC, FACTS, micro-grids, Protection, Energy efficiency, Distributed Generation, Power System Stability and Control, Power electronics converters Multi-Level Converters and Inverters, Active and Passive Filters, Wind Power, Solar PV, Tidal, wave and hydro power, Hybrid Energy Systems, Super Capacitors and other energy storage devices.

### Track 2- Applications of Power Electronics in Machine Control

Applications of Power Electronics in home appliances, industry and aerospace, Biomedical Power Electronics, Automobile Applications, Modeling and Simulation in Power Electronics, Topologies, Analysis and Design of Switch Mode Power Supplies, Hard Switching and Soft Switching Converters, Telecommunication Power Supplies, Analysis and design of Electrical Machines such as PMSM, BLDC, Induction motor & Synchronous motor.

### Track 3- Soft Computing Techniques and Machine Control

Fuzzy Logic, Neural Networks, Genetic Algorithms, Particle Swarm Optimization, Firefly Algorithm, Biography based Optimization, Bacterial Foraging Algorithms, Ant Colony Optimization, Swarm Intelligence and their applications in Processes, electrical machines control and power system optimization.

### Track 4- Control & Instrumentation

Classical Control, Robust Control, Adaptive Control, Stochastic Control, Nonlinear Control, Optimal Control, Intelligent Control, Mechatronics, Robotics, Analog and Digital Electronics, Digital Signal Processing, FPGA and Microcontrollers, Communication, Smart Sensor, Measurement, OP-AMP, Microwave, Antenna Control, Satellite and Wireless Control.

### Deadlines:

Submission of full paper : Feb 28, 2016  
Notification of acceptance of paper : April 30, 2016  
Submission of camera ready manuscript : May 15, 2016  
Last date for Pre-Registration : May 15, 2016  
Date of Conference : July 04-06, 2016

**Note: The Accepted papers, which will be presented in the conference (numbered 37778 in the IEEE Record) by duly registered authors, shall be uploaded to IEEE Xplore.**

Paper submission shall be through EDAS link <https://edas.info/newPaper.php?c=21709>

20% of presented papers at conference are intended to be recommended for further peer review for inclusion in IEEE Transactions on Industry Applications.