



Delhi- Section



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INTERNATIONAL CONFERENCE

on

POWER ELECTRONICS, CONTROL & AUTOMATION (ICPECA-2019), 16-17 Nov 2019

IEEE Conference No # 47973

Organized by

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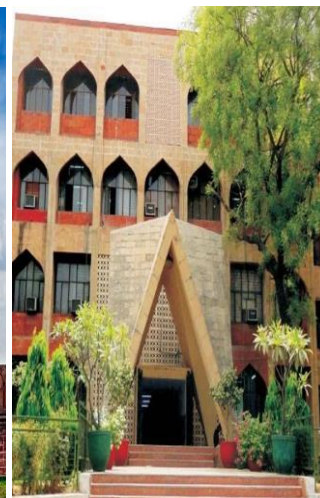
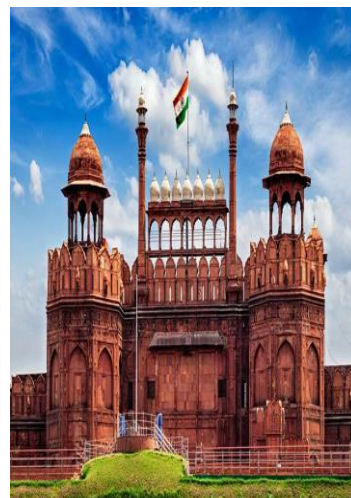
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The Department of Electrical Engineering at the Faculty of Engineering & Technology of Jamia Millia Islamia, New Delhi is one of the premier electrical engineering education and research departments of the Country and is also one of the SAP departments of UGC. Since its inception in 1985 along with the inception of Faculty of Engineering & Technology of Jamia Millia Islamia, New Delhi, it has grown leaps and bounds and continuously striving for excellence. The faculty members at Department of Electrical Engineering lead by examples and are highly motivated to achieve excellence in research and development and publish their research in internationally peer reviewed journals, patenting their research findings, and bringing generous research grants from Govt. research funding agencies like AICTE, MHRD, MNRE, UGC, DRDO, DST, DOE etc. to upgrade the research facilities at the department and to provide innovative solutions to engineering problems. Many faculty members have received prestigious national and international awards for their contributions. As per the SCOPUS data, the h index of the department is 37, total no of citations is 7299 till date.

ABOUT THE CONFERENCE (ICPECA-2019)

Power electronics is one of the most emerging and important area of electrical engineering. The focused research is needed in the area of power electronics and its applications. Controlling techniques i.e. Intelligent and conventional control techniques are other important research area which has application in power electronics and in other areas of electrical engineering. Measurement and monitoring are the key concept using IoT, Computer based networks for automation of Power electronics related applications and in other areas of electrical engineering.

Considering the above, the conference paper submission area is divided in three following tracks, but not limited to:

TRACK 01: POWER ELECTRONICS & ITS APPLICATION

Power Electronics & Its application in Power system, Power electronics & Energy Conversion, Electric Machines & Drives, Renewable Energy Systems, Energy Storage and Battery Management, Electric Vehicle, Converters for Charging Station, Reliability of Power Electronic Converters, Fault Analysis, Smart grid technologies, Emerging

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technologies in power electronics, Grid Interface technologies, Thermal performance of power electronics Converters, Solid-state energy conversion includes electronic power conversion systems for mobile, wireless, and other applications, local generation and co-generation, HVDC Transmission, FACTS, principles of sustainable energy technologies and systems, advancement of the theory and practice of electrical and electronic engineering in the development, design, manufacture and application of electrical systems, apparatus, devices, and controls to the processes and equipment of industry

TRACK 02: CONTROL & MEASUREMENT IN POWER ELECTRONICS & AUTOMATION

Control Techniques for Power Electronics and Power System, Process Control, Controller algorithm, Multi Variable and advance control, Modelling , simulation and identification, Process measurement and device, Intelligent Control System, Machine Learning, Process optimization, Robust and adaptive control, Industrial automation and case studies, Model predictive control, Embedded System Control, Data acquisition system and Real time measurement, Internet of things, Methodologies for medical instrumentation, use of sensors-actuators-transducers-sensor fusion, Virtual measurement system, Intelligent Control

TRACK 03: APPLICATION OF IMAGE PROCESSING AND COMPUTER NETWORKING IN POWER ELECTRONICS & AUTOMATION

Imaging informatics and Artificial Intelligence, Image process application, image process based measurement and control, On Chip Signal or image processing, Medical image analysis, Processing and Image visualization, Remote sensing and Unmanned Autonomous Vehicles Wireless Image Transmission & Cyber security, Multimedia Retrieval in Spectral Imaging, Real life Imaging Applications. Wireless Adhoc and Sensor Networks, Heterogeneous Wireless Networks, Mobile Networks & Wireless LAN, Network Based Applications, Network Security Trust, & Privacy, Self-Organizing Networks and Networked Systems Virtual & Overlay Networks, Personal and wearable networks Embedded networks, Vehicular networks, Smart Grid communication, Underwater sensor networks, Green networking, Smart Grid and Cyber Security.

IMPORTANT DATES

Paper Submission Last Date : 30th May 2019

Notification of Decision : 15th July 2019

Registration : 20th August 2019

Camera Ready Paper : 22th August 2019

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