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ORGANIZING COMMITTEE

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Organizing Secretary : Vinod Kumar, Asst. Prof., CTAE

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ABOUT COLLEGE OF TECHNOLOGY AND ENGINEERING

The college of Technology and Engineering was established in 1964 and offers AICTE approved UG & PG courses in Electrical, Mechanical, Agricultural, Mining, CSE, ECE, IT and Civil Engineering. The department of Electrical Engineering presently offers B.Tech, M. Tech (Power Electronics) and PhD programs. The Department is also actively engaged in research consultancy and testing in the area of power electronics and power systems. Students passed out from the department are well placed through campus selection both in the core sector and as well as in software companies at National and International level. The department has excellent infrastructure and laboratories for practical know-how and research.

ABOUT UDAIPUR

Udaipur the City of beautiful tranquil water Lakes and the City of Dawn is one of the most natural beautiful city on the planet earth. It is a historic city and part of ancient capital city of glorious Mewar, the land of Maharana Pratap. It is also well known as The Venice of East, another Kashmir of India, and it offers one of the widest ranges of cultural heritage. The rich cultural, social and natural heritage, aesthetic beauty and ecological richness, so far preserved through the surrounding lakes, serene and opulent hilly range of the Aravalis and lush green vegetation and pleasant gardens and harmonious built forms present a unique condition of scenic beauty. The magical beauty of this Lake Pichhola allures the visitors again and again.

The famous temple of Shrinathji Nathdwara (50 KM), Chittorgarh Fort (110 KM), Ranakpur (90 KM), Kumbalgarh (90 KM) are other places of interest. Udaipur located on NH-8 and NH-76 east west corridor, both express highways, is well connected by daily Air India and Jet Airways flights from Delhi and Mumbai.

COORDINATOR

Dr. R. R. Joshi

Professor and Head

Department of Electrical Engineering

CTAE, MPUAT, Udaipur

rrjoshi_iitd@yahoo.com

9414430860(M), 0294-2470808(O)

ORGANIZING SECRETARY

Vinod Kumar

Assistant Professor

Department of Electrical Engineering,

CTAE, MPUAT, Udaipur

vinodcte@yahoo.co.in,

9414737334(M)



AICTE SPONSORED NATIONAL CONFERENCE

on

Optimal Use of Power Electronics
in Modern Power System &
Renewable Energy

7-8 March, 2014



CO-SPONSORS



TEQIP, GOI

Organized By

DEPARTMENT OF ELECTRICAL ENGINEERING

College of Technology and Engineering

Maharana Pratap University of Agriculture and Technology

Udaipur, Rajasthan (India)

website: www.ctae.ac.in

PREAMBLE

Power Electronic have contributed unprecedented applications from commercial to industrial, particularly converter technology has advanced to furnish controllable power factor with high power quality like matrix converter, high frequency AC link converter, multilevel converter. At the same time, the drive control technology, particularly direct torque and field control have revolutionized the fine position and speed control required in the industry. For bulk power transmission FACTS devices in HVAC and for long distance transmission HVDC & MTDC have been employed. Advanced converters interfacing techniques for various renewable energy sources like offshore wind power generation system, solar park, fuel cell for its effective uses. A tremendous effort is being deployed on the structural and as well as control level in order to get cost effective and optimized power electronics system that would enhance the reliability and the power quality in distributed generation, smart grid, and modern power system.

The objective of this conference is to provide an opportunity to the professionals, field experts, academicians, researchers and students to interact and exchange ideas, experience and expertise in the areas of power electronics and its application in power system. Besides this, participants will also be enlightened about vast avenues, current and emerging technological developments in the field of power electronics and its application in control of power system will be thoroughly explored and discussed.

THEMES

1. Advanced power semiconductor devices
2. Soft switching, multilevel converters, matrix converters, HFAC converters etc.
3. Integrated renewable systems
4. DSP & other intelligent controllers
5. Advanced batteries, energy storage devices and systems
6. Power quality devices and issues
7. Power management and energy efficiencies
8. Smart grid technologies, net metering, feed-in tariff
9. High voltage DC transmission lines
10. Power converters modeling, simulation and control
11. Electric machines in motion control and other

CALL FOR PAPERS

Original contributions from researchers are invited to share their work. Apart from regular paper presentations, poster presentations, key note addresses by experts, technical & book exhibition are also planned during the conference.

One copy of full length paper not exceeding six A4 pages should be submitted to Organizing secretary (vinodcte@yahoo.co.in) on or before **20th Feb. 2014**. After peer review process, papers would be selected for oral and poster presentations. Selected full length papers as approved by technical committee will be published in the proceeding.

PARTICIPANTS

Professionals from Engineering Departments, Industries, Consultants, Design Units, Research and Testing Laboratories, Educational and Research Institutes are invited to attend the programme

IMPORTANT DATES

Paper submission	:	Feb. 20, 2014
Notification of acceptance after review	:	Feb. 25, 2014
Final paper submission	:	March 3, 2014
Author's registration	:	March 7, 2014

REGISTRATION

Registration of delegates can be made in advance by remitting the registration fee as indicated below along with duly filled in Registration form.

Delegates/Participants from Educational

Institutions/ Industries	:	Rs. 1500.00
Students	:	Rs. 500.00

Registration fee is to be paid by Demand Draft drawn in favour "Dean, CTAE, payable at Udaipur (non-refundable)

The facility of subsidized stay arrangements for outstation participants will also be available in the University Guest House on prior information.

Optimal Use of Power Electronics in Modern Power System & Renewable Energy

(7-8 March, 2014)

REGISTRATION FORM

1. Name: _____

2. Designation: _____

3. Institute: _____

4. Address: _____

5. Contact Numbers (with STD code)

Phone (O) _____ (R) _____

Mobile: _____ Fax: _____

E-mail ID: _____

6. Title of the paper: _____

7. Co-authors: _____

8. Accommodation required: Yes / No

9. Conference registration fees:

D.D. No. _____ Date: _____

Bank: _____

Signature: _____

Date: _____