Registration Form

One Week Workshop On
"POWER ELECTRONIC TECHNOLOGIES AND OPPORTUNITIES"
(Sponsored by TEQIP - III)
18 - 22, December 2017

Name :_ _

Category: □Industry □R&D □Acad. □Scholar

Address for Correspondence:_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _
_ _
_ _

Email (Mandatory):_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Tel/ Mobile No:_ _

Accommodation required : □Yes □No
(*Provided Subject to availability)

Registration Fees □Rs. 5000 □Rs. 2000 □Rs. 1000

DD No. and Date:
Bank/ Branch :

I declare that the details furnished above are correct to the best of my knowledge and belief. I also undertake to abide by the rules and other conditions prescribed during the workshop at A.U College of Engineering, Visakhapatnam.

Signature of participant

Signature of Principal/
HOD with stamp

Organizing Committee

Chief Patron
Prof. G. Nageswara Rao
Honorable Vice Chancellor Andhra University
Patron
Prof. P.S. Avadhani
Principal, AU College of Engineering (A)
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Head, Dept. of Electrical Engineering

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Dr. R. Vijaya Santhi

Address for Correspondence:

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Call for Participation

One Week Workshop
on

"POWER ELECTRONIC TECHNOLOGIES AND OPPORTUNITIES"

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PETO-2017

Organized by:
DEPARTMENT OF ELECTRICAL ENGINEERING

AU COLLEGE OF ENGINEERING (A)
ANDHRA UNIVERSITY
VISAKHAPATNAM-530003, A.P INDIA

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)

Andhra University, a premier institute of higher learning in India, was established in 1926. Andhra University College of Engineering (A), Visakhapatnam, is one of the campus colleges of the University. At the time of its inception in 1955 it was a department of engineering with Civil, Mechanical and Electrical Engineering as the main branches. In 1966, the College of Engineering became a constituent college of Andhra University. AUCE(A) is spread over 167 acres. The college of engineering (Autonomous) consists of 12 engineering and 4 basic Sciences departments, one interdisciplinary research centre offering 15 undergraduate and 28 Post graduate Engineering programs. All the departments of the college runs research programs leading to PhD degrees.

DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering was started in 1955 as one of the three constituents of the Department of Engineering in Andhra University and grown to the status of full Department in 1969. Currently department offers a UG programs in Electrical and Electronics engineering and PG programs in Power Systems & Automation, Control Systems Engineering and Power Electronics & Drives. The Department offers full time and part time Ph.D. programs to promote research activities in the areas related to Electrical Engineering.

ABOUT THE WORKSHOP

The technology of power electronics has practically attained maturity after four decades of dynamic evolution. In future, there will be tremendous emphasis on power electronics applications in the areas of industrial, residential, commercial, transportation, aerospace, military and electric utility systems. In the coming decades, we expect to see increasing emphasis on application-oriented R&D in system modularization, analysis, modeling, real time simulation, design and experimental evaluations. Power electronics will have increasing impact not only in global industrial automation and high efficiency energy systems, but also on energy conservation, renewable energy systems, and electric/hybrid vehicles. The resulting impact in mitigating climate change problems due to man-made environmental pollution is expected to be considerable.

Power electronics deals with conversion and control of electrical power with the help of switching mode power semiconductor devices, and therefore, the efficiency of power electronics based equipment can be very high (98-99%). With the advancement of technology, the cost of power electronic components is decreasing, size is becoming smaller and the performance is improving. The application of power electronics is expanding in industrial, commercial, residential, aerospace, military, transportation and utility systems. Saving of energy by using power electronics gives direct financial benefit. The extra cost of power electronics can be recovered in a period depending on the cost of electricity.

In view of the energy and environmental challenges imposed on the society, the One week workshop will give an insight into issues and applications of power electronics, present trends and research opportunities in industrial and commercial environments. Development of modern electrical drives and their aid in applications using PE components will be another objective of the program. Eminent experts from premier institutions within the country will be delivering lectures at the workshop. Researchers and students look forward to formulate their own research problems or solving their existing ones as an outcome of this workshop through keynote and guest lectures and interaction with experts in the field.

TOPIC FOR DISCUSSION INCLUDE

- Introduction to Energy, Environment and Power Electronics
- Developments in Power Electronics Technologies
- Modeling of Electrical Drives and their Industrial Applications
- Power Electronic Technologies for Drive Controls
- Trends in Renewable Energy Systems with Use of Power Electronics
- Soft Computing Models of Power Electronics and Drive Systems
- Research and Entrepreneur Opportunities With Power Electronic Technologies

RESOURCE PERSONS

The faculty from eminent institutions and from industry will deliver lectures in this work shop.

LECTURE NOTES

To fully realize the objectives of the course, the Lecture notes/slides will be made available to the Participants. In addition, simulation example files and documentation files, used during the course will be made available to the participants.

REGISTRATION FEE

Registration fee has to be paid in the form of DD drawn in favor of 'N. Prema Kumar, PETO-2017', payable at Visakhapatnam.

Participants from Industry : Rs 5000/-
From Academic Institutions : Rs 2000/-
Research scholars/PG Students: Rs 1000/-

The filled in registration form with payment details along with DD may be sent to :

The Coordinator,
PETO-2017,
Dept. of Electrical Engineering,
AUCE (A), Andhra University
Visakhapatnam - 530003.