

## ABOUT THE UNIVERSITY

Andhra University is one of the oldest educational institutions in the country. Andhra University was constituted in the year 1926. The 86-year-old institution is fortunate to have Sir C.R. Reddy as its founder Vice-Chancellor, as the steps taken by this visionary proved to be fruitful in the long run. Former President of India Dr. Sarvepalli Radhakrishnan was one of its Vice-Chancellors who succeeded Dr. C. R. Reddy in 1931. The leaders of the university always believed that excellence in higher education is the best investment for the country and engaged the services to high standards for teaching and research. Keeping in pace with the global needs and challenges, the University is offering several new Courses of relevance and Contemporary significance. Andhra University has established an international image in academic excellence with the accreditation by NAAC with 'A' grade in April 2002 and is general University in the country to get ISO 9001: 2008 Certification in 2009. The University has five constituent colleges offering total 313 courses in various specializations and four AU Campuses at different locations.

## ABOUT AU COLLEGE OF ENGINEERING (A)

Andhra University is one of the top most universities in India for engineering. The College of engineering with three sections has been established at Visakhapatnam in 1953. By 1962 the Department of Chemical Technology has started. The sections of Basic Sciences were upgraded in 1964 to Departments in 1979. Over the years, the Andhra University College of Engineering grew from strength to strength and at present it has 15 Departments offering Undergraduate, Postgraduate and Research Programmes.

## ABOUT THE DEPARTMENT

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 program in Electrical and Electronics Engineering and 3 PG programs. The Department also offers Ph.D programme to promote basic research activities in the various areas of Electrical Engineering. The consultancy service is also rendered by the department. The Department has well established with conventional laboratories like Electrical Machines, Networks, Measurements, Power Electronics, Microprocessor, Control system and Digital Electronics. The faculty of the department is involved in research activities in the areas of fault detection, power system stability, load flows, optimal power flows, modal reduction, decentralized fault detection and flexible AC transmission systems.

## ORGANIZING COMMITTEE

### Chief Patron

Prof. G. Nageswara Rao,  
Hon'ble Vice Chancellor  
Andhra University, Visakhapatnam

### Patrons

Prof.P.S.Avadhani,  
Principal, AUCE (A)

### Chairman & Convener

Dr. K. Vaisakh,  
Professor & Head of the Department  
Elect. Engg., AUCE(A)

### Co-convener

Dr. K. Padma,  
Assistant Professor  
Elect. Engg., AUCE(A) .

### Advisory Committee

Prof. G.V. Siva Krishna Rao  
Prof. K. Rama Sudha  
Prof. P. Mallikarjuna Rao  
Prof. T. R. Jyothsna  
Prof. Ch.V.V.S.Bhaskara Reddy  
Prof. N. Prema Kumar

### ADDRESS FOR CORRESPONDENCE

Dr.K. Vaisakh  
Professor & Convener, NCPS-2016  
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AU College of Engineering (A)  
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Call for Participation

# ONE DAY NATIONAL WORKSHOP on COLLABORATIVE RESEARCH AND FUNDING OPPORTUNITIES IN POWER ENGINEERING: Issues and Challenges

23rd, DECEMBER 2016

Under TEQIP Phase-II



**ANDHRA UNIVERSITY**

**ఆంధ్ర విశ్వకళా పరిషత్**

**ORGANIZED BY**

**DEPARTMENT OF ELECTRICAL ENGINEERING**

**AU COLLEGE OF ENGINEERING (A)**

**ANDHRA UNIVERSITY**

**VISAKHAPATNAM-530003, A.P INDIA**

## OBJECTIVE OF THE WORKSHOP:

In the recent times, collaboration has been an integral part of research for a long time, the nature of collaboration appears to be evolving from one of conducting research within departments/disciplines/institutions to newer areas necessitating partnerships across departments/disciplines/institutions and increasingly context (e.g. academic, government, private industry). This type of interdisciplinary/multi-contextual collaboration has stoked the pace of research and encouraged the development of innovative and groundbreaking strategies in investigating increasingly novel, complex and convoluted areas such as power engineering.

## Contents:

1. Current research trend in power engineering - Simulations/Hardware implementations Part I
2. Scope for Collaboration - National/International Level
3. Current research trend in power engineering - Simulations/Hardware implementations Part II
4. Funding Opportunities - National/International Level
5. Discussion on Issues and Challenges

## ABOUT RESOURCE PERSON:

Prof.N.P.Padhy, has been recommended as a Principal Investigator(**National Project Lead**) by DST(India)-RCUK(UK) funding under Smart Energy Grids and Energy Storage Technologies for the project titled "High Energy and Power Density(HEAPD) Solutions to Large Energy Deficits" with close to 4 Crore research grant award.He is also the Principal Investigator(**National Project Lead**) of the SOS Project sponsored by MHRD worth close to 2 Crores.

He has handled 18 sponsored research grant projects and contracts that includes **Office of Gas and Electricity Market (OFGEM), UK** in the area of Distribution Network Pricing with Wind Generations. He has delivered more than 100 invited guest lectures and attended 20 international academic/regulator's meeting. He has published (single author) a text book titled '*Artificial Intelligence and Intelligent Systems*' with *Oxford*

*University Press*.in 2005 and Prepared the SI Version of the text book and solution manual for Cengage Learning Publishing Company titled **Power Systems Analysis and Design by Glover, J. Duncan , Sarma, Mulukutla S. , Overbye, Thomas**.in 2009. He has 11 Ph.D., 47 M.Tech guidance and around 100 International Journals to his credit.

Currently he is a full Professor at IIT Roorkee and Group Leader of Power System Engineering, Professor in Charge Training and Placement and NEEPCO Chair Professor. He has been Nominated both as a **Fellow of Indian National Academy of India(FNAE)** and **Fellow of The Institution of Engineering and Technology, UK(FIET)** in 2014.

## REGISTRATION

### Registration fees per participant:

<b>Industries and Govt. Organizations</b>	: Rs 2000/-
<b>Academic Institutes</b>	
<b>Faculty</b>	: Rs 1500/-
<b>Full time Scholars/PG Students</b>	: Rs 1000/-

**NOTE:** Registration fees cover workshop proceedings (only soft copy), working lunch, tea & breakfast. No TA/DA and accommodation is provided to the participants. However, accommodation will be arranged in university guest house on payment.

### ONLINE TRANSFER DETAILS:

Name of the account holder	: Dr.K.Vaisakh
Account number	: 10228086340
IFSC Code	: SBIN0003170
Branch	: SBI, AU Engg College Campus, Andhra University, Visakhapatnam, A.P.

### ELIGIBILITY:

The workshop is open to Faculty members, PG students, Research scholars and persons working in R&D organizations and Industries

### KEY DATES

<b>Last date for Registration</b>	: 20.12.2016
<b>Registration confirmation (by email)</b>	: 21.12.2016
<b>WORKSHOP</b>	: 23:12:2016

## ONE DAY NATIONAL WORKSHOP

on  
**COLLABORATIVE RESEARCH AND FUNDING OPPORTUNITIES IN POWER ENGINEERING: Issues and Challenges**

23rd, December 2016

## REGISTRATION FORM

Name : .....

Designation : .....

Organization : .....

Official Address .....

Mobile/Telephone:.....

E-mail : .....

Payment Details

Amount : .....

Bank : .....

Date:.....

## CERTIFICATE FROM SPONSORING AUTHORITY(NOT MANDATORY)

This is to certify that Mr. / Ms.....

.....is student/ Faculty of our Institute

/Organization.

We sponsor him / her for the one-day workshop organized by your Institute and he / she will be relived to attend the Conference.

Sponsoring Authority Signature:

Name : .....

Designation : .....

Seal:

Date:

Signature: