

REGISTRATION FORM

TWO DAY NATIONAL WORKSHOP

On

Thin Film Coatings & Nano Electronics (TFCNE-Jan 2017)

Sponsored by TEQIP PHASE- II-CoE

Name :
Category : Industry/R&D/Acad./Student
Address for Correspondence:
Email (Mandatory) :
Tel/ Mobile No :
Accommodation : Yes/ No
Registration Fees :
DD No. and Date :
Bank Name/ Branch :

Signature of participant

Declaration of Sponsorship

Mr./Mrs./Ms/Dr_____ is an employee/ faculty member/ PhD student/ masters student/ graduate student of our institute/ industry and hereby sponsored. She/he will be permitted to attend the workshop if selected.

Date:

Official Seal

Signature of the Head

PATRON

Prof. G. Nageshwara Rao
Honorable Vice-Chancellor
Andhra University.

CHAIRMAN

Prof. P.S. Avadhani
Principal,
AU College of Engineering (A), AU

VICE CHAIRMAN

Prof. Prasad Babu
Vice - Principal,
AU College of Engineering (A), AU

CONVENER

Prof. K. RAMJI
Centre for Nanotechnology
AU College of Engineering (A), AU

ORGANIZING COMMITTEE

Centre for Nanotechnology Faculty, Staff & Students

VENUE

Centre for Nanotechnology
Andhra University College of Engineering (A), AU

ELIGIBILITY & SELECTION CRITERIA

This Workshop is open for faculty of Engineering/Polytechnic colleges, persons from Industries, R&D organizations, PG Students and Research scholars. Selection will be made on first come first serve basis.

IMPORANT DATES

Last date for registrations: 23-01-2017 till 5:00pm.
Workshop Dates : 24th&25th, Jan 2017.

.REGISTRATION FEE

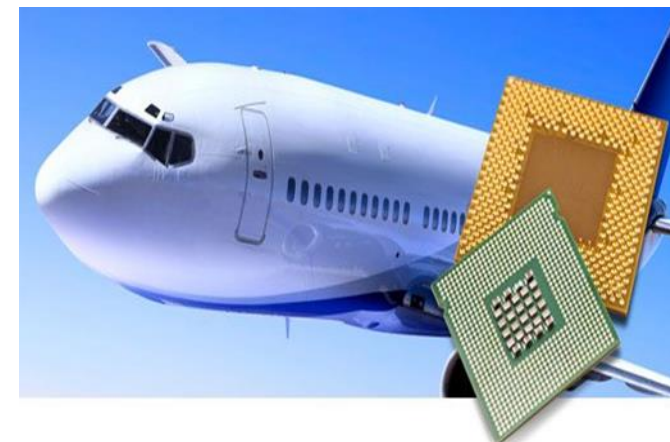
Registration fee has to be paid along with the Registration form by DD drawn in favor of Principal, AUCE (A), payable at Visakhapatnam.

- A) Participants from Industry and R & D Organization -----800/-
- B) Faculty from Academic Institutions -----600/-
- C) PG and PhD Students -----400/-

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24th & 25th, Jan 2017

Sponsored by TEQIP PHASE-II-CoE

CONVENER

Dr. K. RAMJI

Professor in Dept. of Mechanical Engineering &
Coordinator, Centre for Nanotechnology,
AUCE (A), Andhra University.

ORGANIZED BY

**CENTRE FOR NANOTECHNOLOGY
ANDHRA UNIVERSITY COLLEGE OF
ENGINEERING (A)
ANDHRA UNIVERSITY
VISAKHAPATNAM-530003
ANDHRA PRADESH-INDIA**

*“Every great design begins with an even
better story”*

LORINDA MAMO

ANDHRA UNIVERSITY

Andhra University, a premier institute of higher learning in India, was established in 1926. Located on the uplands of Visakhapatnam, 'The City of Destiny' the natural beauty of the University campus is breathtaking with the spread of serene blue shade of the Bay of Bengal on one side and beautiful green Kailasagiri hill range on the other.

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A)



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 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 postgraduate engineering programs. All the departments run research programs leading to PhD Degrees.

CENTRE FOR NANOTECHNOLOGY

Centre for Nanotechnology in Andhra University College of Engineering (A) is a multidisciplinary research Centre established in 2009. A wide range of research is going in the field of Engineering and applied Science. It is an ideal and unique reference source for Researchers, scientists and engineers working in this important and emerging research field of Nano science and Nano technology. The faculties of the Centre, drawn from different departments, are involved in developing state-of-the-art facilities at the institute and are actively involved in research in the area of nanotechnology.

ABOUT THE WORKSHOP

The purpose of this workshop is to give an insight into Thin film technology, Thin film deposition evolution and applications of nano materials in applied Science and Engineering technology. Thin films are also used to enhance sensor durability in the field since it enables the realization of hard layers and protection coatings against corrosion/oxidation. Deposition of thin films with thickness range of nm- μ m, on commercially available substrates or on pre-deposited layers. Thin layer deposition includes thermal deposition, sputtering, CVD in vacuum or reactive atmosphere. Also, thin films with atomic precision of thickness can be realized using automated layer-by-layer deposition and spin-coating. 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. It is expected that such an exercise will provide an opportunity for both the participants and the investigators to come together and inspire more students to take up nano composites as an activity that finds solutions to socially relevant issues.

TOPICS TO BE COVERED

- ZnO nano structured thin film layers for sensors applications.
- Development of lead free piezoelectric nano crystal line thin films for sensor applications..
- Emission Properties of Al-doped ZnO Nanostructures, nano spheres and nano rods synthesis ,their gas sensing studies.
- EM characterization of Nano/Multi scale composites.
- Structural, electronic, aerospace and high frequency applications of Nano/Multi scale composite thin films.
- Dielectric Response and AC-conductivity Studies of Piezoelectric Ceramics.
- planar terahertz meta materials & Terahertz antennas.

RESOURCE PERSONS

1. Prof. M. S. Rama Chandra Rao, IIT-MADRAS
2. Prof. Narasimhasarma NVS, NIT-WARANGAL
3. Prof. Sasibhushan Rao, AUCE(A)-VISAKHAPATNAM.
4. Dr. D.Pamu, IIT -Guwahati.
5. Dr. Dibakar Roy Chowdhury, MEC-HYD

WORKSHOP SCHEDULE

Day1- 24 th January, 2017 (Tuesday)	
09:00-10:00	Inaugural Function
10:00-10:15	Registrations
10:15-10:30	High Tea
10:30-12:30	Keynote lecture by Prof. M. S Rama Chandra Rao, Dept. of Physics, IIT-Madras
12:30-13:30	Lunch Break
13:30-15:30	Guest lecture by Dr. D. Pamu, Dept. of Physics, IIT-Guwahati
15:30-15:45	Tea Break.
15:45-17:15	Invite lecture by Prof.G.Sasibhushan Rao, Dept of ECE, AUCE(A), A.U
Day2- 25 th January, 2017 (Wednesday)	
09:00-11:00	Guest lecture by Dr. D. Pamu, Dept. of Physics, IIT-Guwahati
11:00-11:15	Tea Break
11:15-13:15	Guest lecture by Dr. Dibakar Roy Chowdhury, Dept. Of Electrical Engg. Mahindra Ecole Centrale, Hyd.
13:15-14:00	Lunch break
14:00- 16:00	Guest lecture by Prof. Narasimhasarma NVS, Department of ECE, NIT Warangal.
16:00-16:15	Tea break
16:15-17:15	Valedictory Function & Certificate Distribution