



TWO DAY NATIONAL WORKSHOP

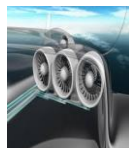
On

Advanced & Nano Materials and Thermal Barrier Coatings for Transport and Energy applications (AVMTTEA-Jan2017)

Organized by Centre for Nanotechnology, AUCE (A)

Supported by TEQIP Phase - II, CoE

Registration Form



- 1. Name of the Applicant
2. Designation
3. Department/ Centre/ Unit
4. Institution
5. Address for Correspondence
6. Email ID
7. Mobile No.
8. Accommodation Required (Yes/ No)
9. Education Qualification
10. Participation with Laptop (Yes/No)
11. Mode of Payment (DD)

DD No. Date:

Drawn at:

Signature of the Applicant

Dr./ Mr./ Mrs/ Miss is here by recommended as a candidate for participation in above mentioned workshop organized by Centre for Nanotechnology, AUCE (A), Visakhapatnam from 27th to 28th January 2017

Signature of the Head of the Department/ Institution with seal

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PATRON

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

CHAIRMAN

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

VICE CHAIRMAN

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Vice - Principal,
AUCE (A)
Andhra University

CONVENER

Prof.K. Ramji
Coordinator
Centre for Nanotechnology
AUCE (A)
Andhra University

ORGANIZING COMMITTEE

Centre for Nanotechnology
Faculty, Staff, Scholars
and Students

VENUE

Centre for Nanotechnology
AUCE (A)
Andhra University

WHO CAN ATTEND?

This workshop is aimed to attract and bring together Faculty Members, Scientists, Engineers, Technologists, Research Scholars, PG and UG students from Academic and Research Institutions and Industries.

REGISTRATION FEE

Table with 2 columns: Category and Fee. Categories include Participants from Industry and R & D Organization, Faculty from Academic Institutions, and UG, PG Students and Research Scholars.

Registration fee should be paid through DD in the name of Principal, AUCE(A), Payable at Visakhapatnam

Note: Registration fee includes workshop kit, study/lecture materials, refreshment and lunch for 6 days during the course.

HOW TO APPLY

Interested persons may send the scanned copy of DD and registration form duly filled and signed by the Head of the Institute/ Industry/ R & D Organization in the given format and send it through mail to auceacnt.au@gmail.com or by post to Prof. K Ramji, Convener, Centre for Nanotechnology, AUCE (A), Andhra University, Visakhapatnam -530003, AP, India before the last date.

IMPORANT DATES

Table with 2 columns: Event and Date. Events include Last date for registration and Workshop Dates.

ABOUT THE WORKSHOP

The purpose of this workshop is to gain cognizance in Advanced Materials for Transport and Energy applications which has been the cornerstone of sustainable development of our economy and society. Nanotechnology will impact in all areas of transportation, providing a variety of tools to build the system for the twenty-first century. New materials designed to have superior properties (stronger, lighter) using materials with Nanoscale dimensions will lead to faster, cheaper, and safer transportation. Among the key applications are nanocoating of metallic surfaces to achieve super-hardening, low friction, and enhanced corrosion protection; 'tailored' materials for infrastructure and vehicles; and "smart" materials that monitor and assess their own status and repair any defects resulting from fatigue, fire, etc. Advanced materials that will allow for longer service life and lower failure rates. Thus, research is appealing worldwide to diminish the negative environmental consequences of energy consumption. This includes energy saving, generation, harvest, conversion, and storage. Nanomaterials and nanostructures provide unique mechanical, electrical, and optical properties and have played an important role in recent advances in energy-related applications.

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 Advanced Nanomaterials as an activity that finds solutions to socially relevant issues.

TOPICS TO BE COVERED

- Advanced Materials and Nano Materials for Transport and Energy applications.
- Thermal barrier coating materials and durability issues.
- Case Studies on different Energy applications
- Resent Trends in Nano-dimensional materials and devices.
- Nanocomposite thermal barrier coatings.

RESOURCE PERSONS

1. **Dr. Bade Simhachalam**, Sr.General Manager, Murrugappa Group, Chennai.
2. **Dr. Ashutosh S. Gandhi**, Dept of Metallurgical Engineering & Materials Science, IIT-Bombay.
3. **Dr. Krishna Valleti**, Scientist-D, ARCI, Hyderabad.
4. **Prof. O. Mohammad Hussain**, Dept of Physics, S V University, Tirupathi.
5. **Prof. K. Srinivasa Rao**, Dept of Metallurgy, AUCE (A), Andhra University.

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, offering 15 undergraduate and 28 postgraduate engineering programmes. All the departments run research programmes leading to PhD Degrees.

CENTRE FOR NANOTECHNOLOGY



Centre for Nanotechnology established in the year 2009. Andhra University College of engineering possesses a vision to foster the development of research and education in the multi-disciplinary area of nanotechnology by developing human resources gifted with leading-edge competitive technologies required for meeting the future challenges and augmenting academic partnerships with industry. The faculty of the Centre, drawn from different departments, is involved in developing state-of-the-art facilities at the institute and is actively involved in research in the area of nanotechnology.