

## INTRODUCTION

Nanoscience rivet research towards finding new activities and properties of materials having nanoscale dimensions whereas nanotechnology deals with structures of the size about 100 nm or smaller. It is an emerging research area which has made superior contribution in various technological fields by producing new semi conductors suitable for optoelectronic devices displays and quantum computers. Nanotechnology also finds potential applications in medicine, electronics, biomaterials and energy production. The significant potential of nanoscience and technology coupled with that of nano information processing enlightens the minds of the scientists, researchers and students for undertaking more interdisciplinary collaborative research. Nanotechnology promises to be the strong foundation for next technical and industrial revolution.

The objective of the seminar is to bring all participants having extended research interests on to a common platform to share their new ideas, views, experiences, and knowledge in different fields of Nanoscience, Technology and information processing. The seminar will be focussed on talks by eminent invited speakers discussing the current trends in the field of Nano science and technology.

### Contents included:

- Nano composites
- Nano rods, nano belts, nano wires
- Nano glasses
- Nano ceramics
- Nanopolymers
- Metals/alloys
- Biological nano materials

## RESOURCE PERSONS

Resource persons are drawn from premier Institutions i.e. IISc Bangalore & DIT, Govt. of India, Hyd.

1. **Prof. G. Mohan Rao**,  
Dept. of Instrumen. & Appl. Phys., IISc Bangalore
2. **Dr. N.V. Mani**,  
Scientist E, Dept. of Information Technology, Hyd.
3. **Prof. S.V. Jagadeesh Chandra**,  
Dept. of ECE, LBRCE, Mylavaram.

## REGISTRATION PARTICULARS

Application in the prescribed format duly sponsored by the Head of the Institution should reach the coordinator on or before 28.11.2011. Registration fee of Rs.200/- is to be sent along with the application form in favor of "Co-convenor, "Role of Nanotechnology in emerging trends" payable at LBRCE, Mylavaram, drawn on any nationalized bank. The application and DD may also be scanned and sent through e-mail to the co-convenor; so as to reach on or before 28.11.2011 and **selection will be intimated only through email.**

Spot registration is also permitted.

## Paper Submission

Full original research manuscripts not exceeding four A4 size pages (one side) confirming to the IEEE format with name and complete affiliation of each author including email address. The manuscripts will be sent to the convenor of the seminar on or before Nov. 28<sup>th</sup> 2011 in prescribed format. We strongly recommend electronic submission. For electronic submission, MS word script 2007, Time Roman font size 12 should be mailed to [nanoseminar.lbrce@gmail.com](mailto:nanoseminar.lbrce@gmail.com). Each paper will be peer reviewed by two expert researchers in the relevant area. All accepted manuscripts will be published in the seminar proceedings which will be made available during the programme.

## ABOUT THE DEPARTMENT

The Department of Science & Humanities is established in the year 1998. The Department has well qualified faculty and good laboratory facilities. All the laboratories are well equipped with state of the art experimental setups, both in quality and quantity, which brings the number of students per batch of two. The department organizes four labs namely Physics, Chemistry, English communication skill and Multimedia labs for entire in take of students every year. **The department has made its significant research by virtue of sponsored projects by DST in Physics, Mathematics and Environmental science worth of 75 lacs. Research & Development projects worth more than Rs. 4 crores are available in college in all the departments together.** The faculties of the department are actively involved in research on Nanomaterials and their characterization. The department facilitates academic enrichment both for students and faculty through seminars and workshops.

LAKIREDDY BALIREDDY COLLEGE OF  
ENGINEERING (AUTONOMOUS)  
MYLAVARAM – 521 230  
DEPARTMENT OF SCIENCE & HUMANITIES

One Day National Seminar on  
“**ROLE OF NANOTECHNOLOGY IN  
EMERGING TRENDS**”

2<sup>nd</sup> December, 2011

## REGISTRATION FORM

1. **Name:** \_\_\_\_\_
2. **Designation:** \_\_\_\_\_
3. **Qualification:** \_\_\_\_\_
4. **Institution :** \_\_\_\_\_
5. **Whether the Institution has AICTE recognition**  
Yes/no
6. **Professional Experience:** \_\_\_\_\_
7. **Areas of interest:** \_\_\_\_\_
8. **Address for Correspondence with email & Phone no:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. **DD Particulars: Amount Rs. \_\_\_\_\_ No. \_\_\_\_\_**

### Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course.

**Place:**  
**Date:**

**Signature of the Applicant**

Mr./Mrs./Ms. -----  
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is an employee of our Institute and is hereby sponsored to participate in the One-Day national seminar on "Role of Nanotechnology in emerging trends" on 2<sup>nd</sup> December 2011 at Department of Science & Humanities, Lakireddy Balireddy College of Engineering, Mylavaram.

**Place:**

**Date:**

**Signature of Head of Institution  
(With seal)**

**N.B.:**

Brochure & registration form can also be downloaded from our  
**Website: <http://www.lbrce.ac.in>**

The LBR College of Engineering (LBRCE) is located at Mylavaram, 40km from Vijayawada on Bhadrachalam highway and is spread over 50 acres of sprawling lush green landscape spotted with orchids and grooves. One of the good achievements of the LBRCE is Autonomous status from the academic 2010-11. The place is a hub of leading power plants like VTPS, LANCO Kondapally and Industries like APHMEI, HPCL and Bharath Petroleum.

At LBRCE the focus is on a well balanced approach where most sophisticated infrastructure is supported by a dedicated team of well qualified and experienced faculty. The Management also actively involves in every aspect and career of the faculty and students. LBRCE offers B.Tech Courses in CSE, IT, ECE, EEE, EIE, MECH and AEROSPACE Engineering and P.G. programmes: M.B.A., M.C.A, & M.Tech Courses in ECE, CSE,IT,EEE and Mech. All laboratories are equipped with state of the art facilities backed by advanced computer systems and the latest software. The library has over **30,442 books** spanning **8589 titles**. It subscribes over **100 International Journals**, **74 National journals** and **39 Technical and general magazines**. A digital library is a part of this facility with over **4000 VCD collections** produced from IIT'S, EKALAVYA and SONET with **4.5TB of storage capacity server**. The students have access to internet and also to DELNET to supplement their classrooms teaching.

It is situated at a distance of 40 Km from Vijayawada. Mylavaram is well connected by rail and road to various places in the state. Participants are advised to alight either at Vijayawada or Kondapalli depending on their travel conveniences.

1. The number of participants is limited to thirty.
2. Application should be accompanied by the sponsorship certificate.
3. **Last Date for Submission: 28. 11. 2011**  
**Intimation of acceptance by email: 30. 11. 2011**

**2<sup>nd</sup> December, 2011**



Chief Patron  
**Er. L. Bali Reddy**  
Chairman, LBRCE

Patron  
**Dr. L.S.S Reddy,**  
President, LBRCE

**Sri. G. Srinivasa Reddy,**  
President, LBRCT

**Prof. Ch.V. Ramana Murthy**  
DEAN, Science & Humanities

**Dr. A. Rami Reddy**  
HOD, Science & Humanities

Organizing Committee  
**Physics Staff Members, Dept. of S&H**

**Dr. T. Satyanarayana & Smt. N. Aruna**  
Convener & Co-convener

*Organized by*  
DEPARTMENT OF SCIENCE & HUMANITIES  
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