

National level seminar
On
**“Computational Fluid
Dynamics & Dynamics of
Robotics”** at JNTUACE, Pulivendula
9th & 10th October 2010

REGISTRATION FORM

1. Name:
2. Qualification:
3. Designation:
4. Name of Organization:
5. Address for Correspondence:
6. E-mail:
7. Mobile No:
8. Registration Fee Details
DD No. _____
Drawn at _____ Date _____
9. Accommodation Required: **Yes/No**

Signature of the Applicant

*Use Xerox copy of the Registration form if required.

Sponsorship Certificate

Mr./Mrs./Dr _____ is an employee of our institution and is sponsored to attend two-day National level Seminar, if selected.

**Signature of the sponsoring
Authority with seal**

ORGANIZING COMMITTEE

Chief Patron

Prof. B.Krishna Gandhi
Vice-Chancellor, JNTU Anantapur.

Patron

Prof. M.N.Giri Prasad
Principal, JNTUACE
Pulivendula.

Co-ordinator

Prof. V.Venu Gopal Reddy
H.O.D, Department of Mechanical Engg.
JNTUACE, Pulivendula.

Resource Persons – Academics

1. Prof. C.S.P.Rao
National Institute of Technology,
Warangal.
2. Prof. K.Hema Chandra Reddy
Director (Academic planning),
JNTU Anantapur.
3. Prof.P.Vivekananda Shanmuganathan
Mechatronics Dept, VIT University, Vellore.
4. Prof. V.Venugopal Reddy
JNTUACE, Pulivendula.
5. Prof. K.Ramachandran
Karunya University, Coimbatore.
6. Prof. G. Jaya Chandra Reddy
H.O.D, Dept of Mechanical Engineering,
Dr.Y.S.R.Engineering College of Yogi
Vemana University, Proddatur.
7. Prof. B.Jaya Chandraiah
Vice Principal & H.O.D
Department of Mechanical Engg
SKIT, Sri Kalahasthi.

Resource Persons from Industry

1. MTAB Engineers Pvt Ltd, Chennai
2. Adroit Technology Solutions,
Secunderabad.
3. Ansys Fluent India Pvt Ltd, Bangalore.
4. Cybermotion Technologies Pvt Ltd,
Hyderabad.

**JNTUA COLLEGE OF ENGINEERING
PULIVENDULA-516390**

**KADAPA (Dt)
A.P**



National Level Seminar
on
**COMPUTATIONAL FLUID
DYNAMICS & DYNAMICS OF
ROBOTICS**
(9th & 10th October, 2010)
(Sponsored by A.P.State Council of Higher
Education, Hyderabad & Institution of Engineers
(INDIA) Kadapa Local Centre)

Organized by

**DEPARTMENT OF MECHANICAL ENGG
JNTUA COLLEGE OF ENGINEERING
PULIVENDULA – 516390
KADAPA(Dt), A.P**

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ABOUT THE COLLEGE

JNTUA College of Engineering, Pulivendula has been established with social objective of providing technical education accessible and affordable to the rural people. The college laid its foundation on 25th December 2005 in the hands of our beloved Chief Minister of Andhra Pradesh, late Dr.Y.S.Rajashekhara Reddy. The college started its first academic year 2006 with 5 branches CSE, ECE, MECH, EEE & Bio-Tech. The College is a constituent body of JNTU Anantapur.

ABOUT DEPARTMENT

The department of Mechanical Engineering is sanctioned with M.Tech (CAD/CAM) course from the academic year 2010-11. The department has excellent infrastructure facilities and modern laboratories. The department took academic membership in NAFEMS (National Agency for Finite Element Methods and Standards) U.K.

Location & Transportation

JNTUA College of Engineering, Pulivendula is located 4 Kms away from APSRTC Bus stand on Pulivendula-Muddanur road. The nearest railway station is at Muddanur(35 km) with regular trains connecting Hyderabad, Mumbai and Chennai. The another nearest railway station is Kadapa 70kms from pulivendula with regular trains connecting Hyderabad, Mumbai and Chennai.

THEME OF THE SEMINAR

Since the department is sanctioned with M.Tech (CAD/CAM) course this seminar is planned to organize on relevant topics of CAD/CAM on this occasion. The seminar is sponsored by A.P. State Council of Higher Education, Hyderabad.

Computational Fluid Dynamics

Computational Fluid Dynamics, commonly referred to by the acronym CFD, is one of the branches of fluid mechanics that uses numerical methods and algorithms to solve and analyze problems that involve fluid flow-the set of Navier-Stokes equation, continuity and additional conservation equations. Usage of CFD has spread to a wide range of other fields, such as aerodynamics and

hydrodynamics, plasma instability studies in fusion, atmospheric flows, bio-fluid mechanics, species studies in quantum chemistry, geophysics and so on. In addition, CFD techniques are increasingly being used in nontraditional areas such as material sciences, manufacturing technologies, and others. Presently, CFD is being increasingly employed by many industries either to reduce manufacturing design cycles or to provide an insight into existing technologies so that they may be analyzed and improved.

Innovative papers are invited on the application of CFD in the following areas.

1. Heat Transfer.
2. I.C Engines.
3. Gas Turbine Engine Components.
4. Combustion Systems Modeling & Simulation in Gas Turbines.
5. Fuel Cells.
6. Turbulence in River Flows.
7. Bio Fluid Mechanics.

Dynamics of Robotics

Robotics field is considered to be the convergence of Mechanical, Electronics & Communications and Computer Science technologies. One needs the knowledge of dynamics of robots to understand its functionality based on their configuration.

Innovative papers are invited on the application of Robotics in the following areas.

1. Control Systems in Robotics.
2. Assembly and Disassembly of Robots.
3. Design of Robot Manipulators.
4. Dynamics of Robotics.
5. Programming of Robots.
6. Modular Robots.

CALL FOR PAPERS

Authors are required to send a hard and a soft copy of full length paper of original and unpublished research work on the above mentioned topics. The paper should be limited to six A-4 size papers including figures, tables and references. It should be in MS word format with 1.5 line spacing (12 point, Times New Roman). The authors should mention their affiliation with address. Information will be communicated to the main author. At least one of the authors of the selected papers should register for the presentation and inclusion in publication of the

proceedings. The paper should be sent by e-mail to cfdrobo.jntuacep@gmail.com or robocfd@gmail.com or by post.

ELIGIBILITY AND REGISTRATION

The seminar is open to Faculty Members, PG& Research Scholars, Persons working in R&D organizations and Industrial personnel from Mechanical, Production, Aeronautical, Electrical, Electronics, Instrumentation and Mathematics are eligible to participate. Participants shall fill the enclosed registration form and sent it to **The Co-ordinator** along with full length paper.

IMPORTANT DATES

Last date of receipt of full length paper: **28-09-2010**
Intimation of Acceptance: **02-10-2010**
Seminar dates: **9th & 10th October, 2010**

Registration Fee: 'Rs 500/- per Participant'

Registration fee should be paid in the form of DD only. DD should be drawn in favour of "**THE CO-ORDINATOR, YANTRA**" payable at SBI, JNTU Campus, PULIVENDULA. (A/cNo 30469993332).

Note: Accommodation and food will be provided for the participants at free of cost.

APPLICATIONS SHALL BE MAILED TO

Prof.V.VENUGOPAL REDDY

Co-ordinator

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VENUE: DEPARTMENT OF MECHANICAL ENGG.

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