SCOPE AND OBJECTIVE OF THE PROGRAMME

Welding is a proven joining method for a variety of today's metals, alloys and composites. Due to high capital and operational cost, trial and error method may not be suitable for welding. Modeling of weld profile using different methods, with the knowledge obtained from experimentation, is vital for the user requirement. The course aims to impart knowledge on advanced welding processes, modeling and simulation of joining processes using various computational methods and safety aspects of welding. Teachers, practicing engineers and research scholars would be highly benefited with the exposure of advances in modeling and simulation of joining of materials. Apart from dissemination of knowledge to the undergraduate and post graduate engineering students, teachers can also identify many research problems in this field.

COURSE CONTENT

⇒ Advanced welding processes

⇒ Welding of newer materials

⇒ Modeling and Simulation

⇒ Introduction to FEM, CFD, Neural Networks, DoE and Monte Carlo simulation

⇒ Practical sessions on FEM, DoE and Neural Networks

⇒ Safety and Health in the welding environment

⇒ Industrial visits

FACULTY

The course faculty includes resource persons from various institution, industries and R&D like IITs, NITs, BHEL and WRI.

ELIGIBILITY

Faculty members from technical institutions approved by AICTE and individuals working in industry or R&D are eligible to attend the programme. However, applicants working in AICTE approved engineering colleges are eligible for the TA, Boarding & Lodging and registration fee will be refunded

REGISTRATION FEE

Participants from academic institutions :Rs.300/-

Participants from Industry, R&D Org. :Rs.1500/-

The registration fee must be paid by DD in favour of "The Director, NIT, Tiruchirappalli - 620015" and payable at SBI, NIT, Tiruchirappalli.

ACCOMMODATION

Accommodation will be provided in the hostel.

TA FOR PARTICIPANTS

Maximum by 3-tier AC through shortest route will be paid to the participants, provided tickets should be enclosed in the claim form.

IMPORTANT DATES

Last date for receiving Application: 19.12.2008

Intimation of selection (By email only): 22.12.2008

Additional registration forms may be photocopied / downloaded from the website.

REGISTRATION FORM

AICTE - MHRD

Sponsored

Faculty Development Programme on

RECENT ADVANCES IN MODELING AND SIMULATION OF JOINING OF MATERIALS

29th December 2008 - 10th January 2009

1. Name :

2. Qualification :

3. Designation :

4. Gender : M / F

5. Department :

6. Organization :

7. Mailing Address:

Phone :

Email :

8. Details of Registration Fee

Amount : DD No.:

Date :

Bank Name & Place:

DECLARATION BY THE APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the AICTE-MHRD Programme. I shall attend the course for the entire duration.

Place:
Date:

Signature of Applicant :

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr._____
is an employee of our institution and is sponsored to attend the AICTE-MHRD FDP course, if selected.

Place:
Date:

Signature and
seal of sponsoring authority

ADDRESS FOR CORRESPONDENCE

Mr. K.R. Balasubramanian,
Lecturer & Course Coordinator,
Department of Mechanical Engineering
National Institute of Technology
Tiruchirappalli - 620015.

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ABOUT THE INSTITUTE

National Institute of Technology (Formerly known as REC) Tiruchirappalli campus is spread over a sprawling 800 acres plot of land situated in the heart of Tamil Nadu on the banks of river Cauvery. It was started as a joint and cooperative venture of Government of India and Government of Tamil Nadu during 1964 with a view to catering to the needs of man power in innovative technology for the country. Now it has become a premier Institution of National importance and is known for its high standards in teaching and research.

ABOUT THE DEPARTMENT

Mechanical Engineering Department was established in the year 1964. Mechanical Engineering Department of NITT has had the reputation of being among the finest in the country and is dedicated towards the advancement of technology and science. The department offers a program in Mechanical Engineering at B.Tech. level, Thermal Power Engineering and Industrial Safety Engineering at the M.Tech. level and M.S (by Research) and Ph.D programmes.

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29th December 2008 to 10th January 2009

Course Co-ordinators

Mr. K. R. Balasubramanian
Dr. K. Sankaranarayanasamy
Dr. S. P. Sivapirakasam

NIT, Trichy **AICTE, New Delhi**

Organised by

DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620 015

Web: www. nitt.edu