

A 2-Day TEQIP Sponsored Workshop on

## ADVANCEMENTS IN WELDING TECHNOLOGY (AWT -2013)

July 04-05, 2013

ORGANISED BY

Department of Metallurgical and Materials  
Engineering  
National Institute of Technology  
Tiruchirappalli-620 015



### CO-ORDINATORS

**Dr. S. Muthukumaran**

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**Dr. S. Jerome**

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### ABOUT THE INSTITUTE

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamilnadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development.

### ABOUT THE DEPARTMENT

Department of Metallurgical and Materials Engineering admitted the first batch of B.E. students in 1967. Since its inception, this department has been one of the premier centers of excellence in the field of Metallurgical and Materials Engineering. It has expanded since then in many ways and now offers three post-graduate programmes with specialization in Welding Engineering, Materials Science & Engineering and Industrial Metallurgy. The Department is recognized for its excellence in teaching, research and services to industry. Faculty members of this department with rich experience in teaching and research are handling projects sponsored by agencies like MHRD, DRDO, AICTE, DST, NRB, DBT, MNRE, AR&DB and Tata Steel. The department is also a recognized center for QIP (Quality Improvement Programme) for both M.Tech, and Ph.D. programmes.

### ABOUT AWT-2013

Welding technology has seen its growth in leaps and bounds setting its foot in almost all manufacturing sectors. On the other part demands for welding technology has become very severe with demands of wide variety properties such as high efficiencies, high qualities, many functions, labor saving and low cost. Problems in this technology is also wide such as the application of newly developed steels in customers, stable operation of welding lines in metal works, and welding procedures in the field of Engineering. AWT-2013 is focused on introducing all the necessities of welding, its properties and the appropriate applications. This workshop also provides a forum for the faculty members from various engineering colleges to interact, discuss and exchange their knowledge with the resource persons.

### COURSE CONTENTS

The topics covered will include the following:

- Arc Welding
- Solid State Welding Processes
- Testing of Weldments
- FEA of Welding
- Laser and EBW process
- Weldment Corrosion
- Distortion Control in Welding
- Latest Welding Technologies

## TARGET GROUPS

Faculty members from Technical Institutions and Research Scholars are eligible to attend the workshop.

## REGISTRATION FEE:

Rs. 200/- per participant

**Registration fee includes:** Accommodation, food, and course material

## NOTE:

The registration fee must be paid only by DD in favor of "The Director, NIT, Tiruchirappalli - 620 015" and payable at State bank of India, NIT, Tiruchirappalli.

## IMPORTANT DATES

**Last date for receiving application:** Friday, 28.06.2013

**Intimation of selection (by Email only):** Saturday, 29.06.2013

## RESOURCE PERSONS

Eminent persons with vast research experience from BHEL, and NITT etc.

## HOW TO GET TO NIT-TRICHY

NIT- Tiruchirappalli is located about 22 km from Tiruchirappalli Junction / Central Bus-stand on the Tiruchirappalli - Thanjavur Highway. The simplest and most economical way to reach NIT- Tiruchirappalli is by bus. Board Thanjavur bound route bus and get down at NITT. The journey time from Tiruchirappalli will be around 45 minutes.

## REGISTRATION FORM 2 - Day Workshop on "ADVANCEMENTS IN WELDING TECHNOLOGY" (AWT-2013) July 04-05, 2013

Name :

Gender (M/F) :

Qualification :

Designation :

Department :

Organization :

Mailing address :

Phone :

Email :

Accommodation Required (Y/N) :

## 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 shall attend the course for the entire duration.

Place :

Date :

Signature of the applicant

## SPONSORSHIP CERTIFICATE

Mr./ Ms./Dr. \_\_\_\_\_  
is an employee / Research Scholar of our Institute / Organization and sponsored to attend the TEQIP sponsored two day workshop, if selected.

Place:

Date:

Signature and Seal of Sponsoring authority

## DOWNLOAD FORMS

Additional registration forms may be photocopied or downloaded from the website [www.nitt.edu](http://www.nitt.edu).

## ADDRESS FOR CORRESPONDENCE

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