

## About the Workshop:

With consideration of growing global competition and persistent skilled labour demands, implementation of modern manufacturing technologies is essential to the competitiveness of manufacturing firms. The Workshop aims at exposing the industry to the latest developments in welding automation and discuss the challenges for introducing automation in industry. It intended to explore the Opportunities and Challenges in welding automation for small and medium scale industries.

The lectures will be delivered by leading welding automation providers and aspiring end users. A panel of experts will deliberate the pros and cons of welding automation for the benefit of industry. This gives an opportunity to take a decision on introduction of automation in their industry

## Objectives:

The main objective of this workshop is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Welding Automation & latest technologies being used to achieve welding automation. The idea of organizing this workshop is to inculcate the basic fundamentals of automation in the participants and provide them with a platform to work on, in the near future.

## Contents:

- ❖ Basics of welding automation and its Application
- ❖ Technological requirements and consideration for Welding Automation
- ❖ Case study in Welding Automation
- ❖ Robotic Welding and its Application
- ❖ Challenges in Integration of Robotics Welding
- ❖ Low cost Automation System in Welding
- ❖ Capabilities of PSG in Robotics and Automation

## List of Resource Persons:

- ❖ Dr. V. Ananthanarayanan, President, Innovative Welding Solutions, USA
- ❖ Dr. A. Raja - Visiting Professor, Dept. of RAE, PSG CT
- ❖ Mr. P. Rajagopal, Managing Director Primo Automation Systems
- ❖ Parthasarathy Sasi Anand – Head Fronius India (P) Ltd,
- ❖ Mr. Sathish Kumar Axis Global Automation
- ❖ Mr. Nallathambi Ayyappan Agencies, Trichy
- ❖ Dr. B. Vinod, HoD, Dept. of RAE, PSG CT

## Eligibility:

- ❖ Industrial Delegates
- ❖ Faculty Members
- ❖ UG/PG Student/Research Scholars

## Registration Fee:

- Students/Research Scholars – INR 500/-
  - Faculty Members – INR 750/-
  - Industrial Participants – INR 1 000/-
- (Inclusive of all taxes)**

The registration fee includes cost towards course material, lunch, and refreshment.

## Gate Way to Register:

Registration for workshop can be made by sending the duly filled application form along with Demand Draft drawn in favour of “PSG CNCE” payable at Coimbatore. The applicants should send their applications in the specified format through their Principal or Sponsor to reach us on or before 16<sup>th</sup> October 2016.

# TEQIP - II Sponsored Research One-Day Workshop on Opportunities and Challenges in Welding Automation

October 20, 2016

## APPLICATION FORM

Name (in Block Letters):

Date of birth & Age :

Qualification :

Experience (if any) :

Designation & Dept. :

Organization :

Address for :

Communication :

Office No.:

Mob No.:

Email Id:

Demand Draft No.&Bank:

Amount in Rs.:

## DECLARATION BY THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration.

Place:

Date:

Signature of the candidate

## Sponsorship

Mr./Ms./Dr. \_\_\_\_\_

is an employee of our Institution / Industry and is hereby sponsored. He/she will be permitted to attend the workshop, if selected.

Office Seal

Place

Date

Signature of the

Sponsoring Authority

## ORGANIZING COMMITTEE:

### CHAIRMAN

**Dr. R. Rudramoorthy**, Principal, PSG CT

### CONVENORS

**Dr. B. Vinod**, Head, Dept. of RAE

**Dr.M. Sundaram**, Asst. Prof, Dept of EEE

**Dr.S. Suresh**, GM/Head, CoE -welding

**Dr.K. Asokkumar**, AGM /Dy. Head, CoE-Welding

### ORGANISING SECRETARY

**Mr. S. Prabhakaran**, Dept. of RAE

### CO-ORDINATORS

**Mr.K. Ravichandran**, CoE-Welding

**Mr.K. SelvaRaj**, CoE-Welding

**Ms. Jaisheela**,CoE-Welding

**Ms. Deepa**, CoE-Welding

**Mr.S. Hari Haran**, CoE-welding

### Important Dates to Remember:

Last date for receipt of application : 15/10/2016

Intimation of Acceptance : 17/10/2016

### The duly filled application form is to be sent to:

**Mr. K. Ravichandran**

CoE-Welding,

PSGCollege of Technology,

Peelamedu,

Coimbatore -641004

Contact No: 9600422851

Email: ravi.coew@psgtech.ac.in

The details of this workshop are available in the website: [www.psgtech.edu](http://www.psgtech.edu)

### About the College:

PSG College of Technology started in the year 1951 by the PSG & Sons' Charities Trust is an AICTE approved autonomous institution affiliated to Anna University and ISO9001 certified. Most of the programmes have been accredited by the National Board of Accreditation (NBA). PSG College of Technology believes in creating and disseminating knowledge and skills in core and frontier disciplines through Innovative Educational Programmes, Industrial Training, Research & Consultancy, and developing a new cadre of Professionals with high level of Competence, deep sense of Social Commitment, and Ethics. PSG College of Technology has collaborative arrangements with Industries, Research Laboratories, and Universities abroad in various areas

### About the RAE Department:

The Department of Robotics and Automation Engineering was established in the academic year 2011 in order to meet the growing demand for trained manpower in the field of Robotics and Industrial automation. Automation engineering is an inter-disciplinary field that requires knowledge in hardware as well as software development and their applications. This unique program is tailored to develop superior quality robotics & automation talent for manufacturing, defense, food, aerospace, medical and service sectors.

The Department draws teaching talent from industry and professional practice, apart from competent and committed academicians to enhance the quality of the program. The Faculty is actively involved in research & development projects and consultancy services. A full-fledged centre for robotics is operational, which houses various kinds of robots. The Department organizes conferences and workshops to enable the students and faculty to update knowledge in the latest trends in Robotics and Automation.

### About CoE-Welding:

The PSG College of Technology, a unit of PSG & Sons' Charities, is establishing a Center of Excellence in Welding (COE-Welding). This COE is being established with a grant – in-aid from Department of Heavy Industry (DHI), Government of India. The COE proposal was approved by DHI on 22nd March 2016 under the Capital Goods Growth Sector.

# TEQIP

## TEQIP - II

### Sponsored Research One-Day Workshop

On

# OPPORTUNITIES AND CHALLENGES IN WELDING AUTOMATION

October 20, 2016

Organized  
By



**Centre of Excellence in Welding  
Engineering and Technology  
&  
Department of Robotics & Automation  
Engineering**

**PSG College of Technology  
Peelamedu, Coimbatore - 641 004  
Tamilnadu**