Introduction

Design, manufacturing methods and fabrication procedures can be treated as success only by gauging the satisfactory performance of materials used for making the components and the structures during service. A number of newer materials having lighter weight and higher strength are developed posing a challenge to the welding and manufacturing community. In today's highly competitive world there is a strong need for the sound manufacturing and fabrication practices along with advanced performance evaluations methods which can result into strong incentives by adopting advanced welding and manufacturing technologies that not only help in cost reduction and environmental damage reduction but also help to improve the safety and reliability of the manufacturing operations and workforce.

This seminar is an attempt to promote professional exchange of ideas, information and latest technical know-how amongst the participants, so that new opportunities and challenges thrown to the welding and manufacturing industries could be gauged suitably and adequately met accordingly.

Seminar Objectives

- The objective of the seminar is to provide a platform for sharing knowledge on the key fundamentals and applied research in the area of welding and manufacturing.
- To help evolving new ideas via knowledge sharing amongst the participants of the seminar.
- To evolve strategies for enhancing the knowledge domain for the futuristic research areas in the field of welding and manufacturing.
- To bridge the existing gaps between academic research and industrial research so as to evolve strategies for possible tie-ups between the academic and industrial professionals.

Seminar Contents

This seminar shall focus on the following key topics but not limited to: -

Welding processes, procedures, quality control and productivity improvement in welding, destructive and non-destructive testing of welds, manufacturing processes, operations and their productivity, besides different researching trends in the area of welding and manufacturing besides miscellaneous topics like energy management, environment, optimization, quality control, industrial engineering etc.

Who can participate?

Academicians, Researchers from Institutes/Universities and Industry, Faculty members, research scholars working in the area of welding, manufacturing, materials science or related interdisciplinary fields etc.

Paper Submissions

Research and review papers are sought from the potential researchers in these areas which may be submitted online to twmr2016@gmail.com latest by 01/10/2016 and depending upon the number and quality of submissions these papers shall be made to be orally presented or through poster presentations.

Registration Fee

- Registration Fee for Faculty/Research organizations: Rs. 500/-
- Registration Fee for Research scholars/students: Rs. 250/-
- Registration Fee for Industry Delegates: Rs. 1000/-

Boarding, lodging arrangements will be made to accommodate participants at the Faculty Guest House as well as the Transit Accommodation. Food will be arranged at Faculty Guest House for all the participants. No TA will be provided to the participants for attending this seminar.

Sant Longowal Institute of Engineering & Technology, Longowal, Sangrur-148106, Punjab

(Deemed University under MHRD, Govt. of India)

National Seminar on

Trends in Welding and Manufacturing Research (TWMR-2016)

(October 13-14, 2016)

Organized by

Department of Mechanical Engineering

Sponsored by TEQIP II, MHRD, Govt. of India

Coordinators

Prof. A. S. Shahi, Professor, SLIET, Longowal

Prof. R. K. Saxena, Professor, SLIET, Longowal

Official email id of seminar: **twmr2016@gmail.com**

About SLIET, Longowal

Sant Longowal Institute of Engineering and Technology (SLIET), a Deemed University has been established and funded by MHRD, Govt. of India to provide technical education in emerging areas of engineering and technology. The institute is following a modular system in imparting technical education via running various courses at different levels with multi-point entry and exit system like diploma, UG, PG and doctoral programs in different streams of engineering.

About Mechanical engineering department

The department of Mechanical Engineering is the largest department of the Institute and offers Integrated Certificate-Diploma (ICD), Degree (B. Tech.) with specialization in Welding as well as Manufacturing, M. Tech. with specialization in Welding & Fabrication as well as Manufacturing systems, besides Ph.D. courses in the discipline of Mechanical Engineering. The department has highly qualified and motivated faculty actively involved in quality teaching and research. The department hosts excellent research facilities of high standards which boost up the research environment in the department.

Important Dates

Last date for receiving completed application form:

- **1st October, 2016.**

Publication of list of selected participants and intimation of acceptance of submitted papers**:

-- **5th October, 2016.**

*Last date for confirmation of participation (via email): **10th October, 2016.**

**Participation will stand cancelled if confirmation email is not received by the specified date. Seats, if so vacant shall be offered to other eligible applicants.*

*** The papers to be submitted may be prepared in accordance with the paper submission guidelines of any standard journal of respective research area.*

Location & Weather

SLIET is located at village and tehsil Longowal which is well connected by road to the National highways with important cities viz. Sangrur 20 km, Barnala 30 km., Chandigarh 150 km, Ludhiana 100 km, New Delhi 350 km. The nearest Railway station is Sangrur 20 km and Railway Junction is Dhuri 35 km. The nearest airport is Chandigarh 150 km, and Amritsar 300 km followed by Delhi 350 km. The month of October at SLIET has a pleasant weather as it is autumn season with temperature varying from 25 degrees to 28 degrees Celsius.

How to apply

The interested faculty members from Institutes/Universities, Research Scholars and Industry persons are requested to send duly filled registration form with requisite registration fee in the form of DD in favor of "**Director, SLIET**", payable at **Longowal** to the following address: -

Contact Details:

Dr. A. S. Shahi, Professor
Department of Mechanical Engineering, SLIET, Longowal, Tel.: 01672-253272 (O), Fax: 01672-253123 E-mail: ashahisliet@yahoo.co.in

Dr. R. K. Saxena, Professor
Department of Mechanical Engineering, SLIET, Longowal, Tel.: 01672-253296 (O), Fax: 01672-253123 (O), E-mail: rks@sliet.ac.in

Seminar Committee

Patron-in-Chief: Prof. V. K. Jain,
Director SLIET, Longowal

Patron: Prof. M. B. Bera,
Dean (Academics) SLIET, Longowal

Chairman: Prof. Kulwant Singh,
HOD (Mechanical Engineering) SLIET, Longowal

Coordinators: Dr. A. S. Shahi & Dr. R. K. Saxena, Professor (Mechanical Engineering) SLIET, Longowal.

Registration Form

Trends in Welding and Manufacturing Research (TWMR-2016)

October 13-14, 2015

Name: ----------

Academic qualification: ----------

Designation: ----------

Institution: ----------

Address for correspondence:

Telephone: ----------

Mobile: ----------

E-mail: ----------

Accommodation needed: Yes / No

Enclosed crossed bank draft No._____

Dated: _____ of _____in favor of

"*Director, SLIET*", Longowal.

(Signature of the Applicant)

Signature and seal of forwarding authority

(HOD/Registrar/ Director)