

Registration Fees :

There is no registration fee for the workshop. However, considering the limitation in capacity, participants will be registered on first come first served basis till availability of seats. Prospective participants are requested to send their request for enrolment by 17th February, 2012. Confirmation of enrolment will be sent by the organisers through e-mail.

Please send your request for enrolment stating organisation / institute, department, year (for students) along with your address for communication, phone no. and e mail ID to :

Dr. T. K. Pal, Co – Chairman, Workshop - AWT
Phone : 9830906601
E mail id : iwj.iiv@gmail.com

Or

Prof. Dr. Santanu Das, Jt. Convenor, Workshop - AWT
Phone : 9433956050
E mail id : sdas.me@gmail.com

Advisory Committee :

A. K. Mukherjee Past President, IIW – India
B. K. Mishra Past Vice President, IIW – India
P. K. Das Vice President, IIW – India
Parimal Biswas Hony. Secretary General, IIW –India
Dr. Rajib Dey Head, Metallurgical and Material Engineering Dept.,
Jadavpur University
Prof. M. K. Mitra Metallurgical and Material Engineering Dept.,
Jadavpur University

Organising Committee :

Chairman : Soumitra Kumar De, Chairman, IIW – India,
Kolkata Branch
Co – Chairman : Dr. T. K. Pal, Professor and Coordinator, WTC,
Jadavpur University
Secretary : Bimal Kumar Das, Secretary, IIW – India,
Kolkata Branch
Convenor : Rahul Sengupta, Joint Editor, Indian Welding Journal
Jt. Convenor : Dr. Santanu Das, Head – Dept. of Mechanical
Engineering, Kalyani Govt. Engineering College
Members : Amitava Mukherjee, Sujit Ganguly, Moloy Choudhury,
Somnath Ghosh, Soumya Sarkar, P. N. Ghosh,
Abhijit Ghosh, Dipankar Bhattacharya,
Dhruba Sengupta, A. K. Pramanik, Dr. B. Sarkar,
& R. Banerjee



WORKSHOP ON ADVANCEMENT IN WELDING TECHNOLOGY (WORKSHOP – AWT)

Organised By
THE INDIAN INSTITUTE OF WELDING
KOLKATA BRANCH
MAYUR APARTMENT, 3A, DR. U. N. BRAHMACHARI STREET
KOLKATA - 700017

In Association With
WELDING TECHNOLOGY CENTRE
METALLURGICAL AND MATERIAL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
KOLKATA - 700032

On
FEBRUARY 25, 2012
9.15 AM TO 5.15 PM

Venue
INSTITUTE OF CHEMICAL ENGINEERS HALL
JADAVPUR UNIVERSITY (NEAR GATE NO. 3)

Programme sponsored by
TEKNOVATION ENGINEERS PVT. LTD.
FLAT # 701, DIAMOND TOWERS
37, D. H. ROAD, KOLKATA - 700027

Background of the Workshop :

Our country is now undergoing massive activities in all industrial fronts with an aim to become a major economic and industrial power in the world within next few decades. Huge investments are already been made both from Government and Private sector and will continue to come in building additional capacity in infrastructure like roads and bridges, power, railways, shipping and ports and other sectors like oil and natural gases, petrochemicals, steel and other metals and alloys, defence and so on. All these ongoing activities and future plans and commitments need support from both conventional and advanced technologies for making the projects successful.

Welding and fabrication is always considered as an area of prime importance in execution of any major project. Joining of materials and to be precise Welding is an activity which covers wide range of applications starting from tiny repairs in roadside garages at one end to building of spacecraft on the other end. Though welding was employed as a joining technology from ancient times - welding today has become an interesting but complex multidisciplinary technology involving basic and applied sciences like Physics, Chemistry, Mathematics, Geology etc. and various branches of engineering like Mechanical, Metallurgical, Electrical, Electronics, IT, Civil, Chemical, Structural etc. Adaptation of new materials in industries pose new challenges in joining them and welding now even utilises the state of the art technologies like Laser, Plasma, Electron Beam or Friction Stir to overcome such new challenges.

Today, like any other technology, to sustain this industrial growth, our industry needs qualified and competent personnel in welding and material joining area. The need is more felt here as majority of welding in our country is still carried out manually by welders. The Welding Industry now requires proper technical persons to evaluate, train and certify the welders and ensure quality of welding they produce. Such a person should also understand the technology of new materials and developments in the joining technology and should be aware of the accepted fabrication codes and safety norms.

To bring further awareness on this important technology for our nation building and to understand the inherent opportunities this technology can offer, The Indian Institute of Welding – Kolkata Branch In association with Welding Technology Centre, Metallurgical and Material Engineering

Department, Jadavpur University is organising one day Workshop on **ADVANCEMENT IN WELDING TECHNOLOGY (WORKSHOP-AWT)** on **Saturday, 25th February 2012**. The workshop is aimed to create more interest among the students, faculty members, research scholars of the technical institutes and young professionals in industry and others associated with welding regarding the evergrowing importance of this technology.

About The Indian Institute of Welding :

Established in 1966 with its headquarters in Kolkata, The Indian Institute of Welding (IIW – India) is the premier professional institute in the field of joining engineering materials and the only member society of The International Institute of Welding in India. The institute is fully dedicated to the promotion and advancement of science and technology of welding. In addition to organising regular seminars, workshops and training programmes, the institute conducts various national and international level certification courses and examination recognised by Government of India and The International Institute of Welding. The Institute publishes a quarterly journal viz. Indian Welding Journal in technical association with American Welding Society (AWS). IIW – India is having 11 branches throughout the country and its Kolkata Branch is one of the very active branches for promoting technical activities.

About Welding Technology Centre, Jadavpur University :

Welding Technology Centre (WTC) was established in 2002 at Jadavpur University to strengthen in-depth understanding of this multidisciplinary technology and to build an active network between industry and technology through realisation of industry's technological needs and providing necessary support and solution. WTC is one of the premier research and training centre in the field of welding in India.

Topics To Be Discussed :

- Fundamentals of welding and development of welding processes
- Welding consumables and its advancement
- Welding equipment and its advancement
- Understanding the change in behaviour of materials in welding
- Quality in welding and concept of fitness for purpose
- Information Technology in welding
- Opportunities in welding (Panel Discussion)
- Visit to Welding Technology Centre (Practical Demonstration)