

## From Technical Committee April 2010-04-10

Dear Members

I am sorry that the last issue of our Journal did not contain report from Technical committee. This was due to preoccupation from my side as well as pressure on Editor of our Journal to minimise the delay in publishing the January 2010 issue of the Journal. As most of us are aware we had a successful National Welding Seminar (NWS) at Kolkota during December and around 70 technical papers were presented during that seminar. This seminar was also accompanied by a Pre-conference Tutorial (PCT). I am happy to inform you that PCT was a grand success. The idea of PCT, originally muted by Technical Committee, is catching up; now the Visakhapatnam Branch, host for NWS 2010 is also contemplating on a PCT along with NWS.

Our central council is making serious efforts to improve the web site of our Institute. The objective is to provide relevant and updated information on our Institute, its activities, forthcoming events, technical information etc. Institute has plans to make the website dynamic so that the members can log in to the website, know the membership status and make online payment etc. This may take some more time. Technical committee has responsibility to provide useful information on the Technical Section of the website. At present we have given write ups of Keith Hartley Memorial and Dr. Placid Rodriguez Memorial Lectures delivered by Shri B.K. Mishra and Dr. M. Vasudevan respectively in this section. Soon we will be hosting a list of IS standards on welding, NDT and mechanical testing in this section of our website. We shall also be providing contact details of Bureau of Indian Standards (BIS) from where one can buy these standards. Soft copies of these standards can also be purchased on-line from BIS.

We are also planning to upload popular articles in the area of welding in our website. Many such articles appear in the in house publications of various Industries. If, editors of these publications permit us, we can upload such articles in our website. I am sure this would provide very useful information on latest development in the area of welding, to many of our members. I solicit cooperation of members, especially those who are associated with major industries with their own in-house magazines and news bulletins to get us articles (without any commercial implication) so that the same can be uploaded in our website. We also propose to provide the list of IIW documents in the website.

This issue of our Journal shall carry two interesting articles, one on Patents in the area of welding and another on energy consumption and environmental issues associated with use for Arc Welding Power Sources. Article on Patents is authored by Dr. V. Shankar, a welding engineer and scientist by profession and currently working for a Patent firm. His article tries to demystify some of the aspects on patenting, reviews the results of patent search (both national and international) carried out by him. He has promised to come out with more articles on this subject in the forthcoming issues of IIW. The second article by Shri A.K Paul reviews energy consumption during welding in the context of urgent need for minimising the environmental damage in spite of the ever increasing industrial activities. He highlights the advantages offered by inverter power sources and adoption of GMAW process in reducing overall energy consumption during welding. I am sure this article would be beneficial for those who are planning to set up welding work shop and procure new welding power sources.

As the person entrusted with the responsibility of arranging the reviews of various papers submitted for publication, I find there is tremendous scope for improvement both in the quality and quantity of the papers submitted for publication in the journal. My appeal to those who regularly contribute to the journal is to improve scientific and technical content in their manuscript and others is to contribute more and more articles to the journal.

As many of you would be aware, the next Annual Assembly of the International Institute of Welding takes place at Istanbul, Turkey. I once again appeal to all the members of our Institute to make efforts to participate in this event contribute to the meetings of various technical commissions of the IIW. National council of IIW-INDIA is keen to have a large delegate from India attending this event. It should be noted that next Annual Assembly will be held in Chennai and our Institute, as a host will be having major role in that event. This is also an opportunity for India to increase its participation in various activities of the International Institute of Welding.

**Dr. Shaju K. Albert**  
*Chairman, Technical Committee*