

## EDITORIAL

Over the years, the growth of fabrication industry has generated a demand for quality weld deposition at ever faster rate with flexibility in operation. Welding processes are being developed to cater the need of the fabrication industry. However, for better flexibility in operation, the concepts of hybrid process are now being implemented commercially. But to get maximum benefit of such potential hybrid processes, it is necessary to establish first the technical characteristic of the process. These have been discussed lucidly by Dr. G. Padmanabham et al in his paper "LASER-MIG Hybrid Welding of Thick Plates of Mild Steel in Single Pass" which many of us would find very informative and relevant.

Corrosion fatigue, along with stress corrosion cracking is responsible for many, if not most, service failures in a wide variety of welded structures, in particular, for naval structures. Cathodic protection in addition to epoxy coatings is widely used to prevent corrosion of structural steels in the marine environment. However, the importance of optimum cathodic protection potentials for high strength steels in marine environment has been discussed by H. Das et al in the paper "Corrosion Fatigue behavior of Submerged Arc Welded high strength steel used in Naval Structures" where interesting R & D under quasi-sophisticated laboratory conditions has yielded useful data.

In the third Technical Report the author Swapan Kumar Bagchi et al elaborates on "In-situ repair of multiple cracks presents in the RTJ groove of high pressure hydrogen bearing DHDS reactor by welding" which would be of interest to both welding and material engineers.

IWJ will now be guided and composed under the able stewardship of our Editorial Board, which comprises luminaries from all walks of life. We are sure that their valuable advices and inputs will add a new dimension to IWJ. Our aim is to make IWJ a journal which will find something of interest even a layman to the fabricated industry.

So far we have received information of five of our branches namely Bhilai, Chennai, Mumbai, Kolkata, Delhi having reported their respective "Branch Activities" which is very encouraging. We thank them and wish all success in future. We hope that the other branches of the institute would also send their "Branch Activities" as well.

The overwhelming response from the engineering students in recent workshop on "Advancement in Welding Technology" held at Kolkata and we believe similar response will be available from other places as well, has encouraged us to make the dream team of welding by providing better welding education and training. We must try to close the gap between what manufacturers need and the number of well-trained young, talented welding personnel to go to work for them.

We look forward to the NWS 2013 in Bangalore and we wish IIW Bangalore Branch all the best for the grand and informative NWS 2013.



**Dr. T. K. Pal**

Chief-Editor

Email: iwj.iw@gmail.com