

## EDITORIAL

The International Congress of the International Institute of Welding (IC 2014) and 8<sup>th</sup> International Welding Technology Exhibition (WELD INDIA 2014), to be held at Pragati Maidan, New Delhi, will bring forth the complete flavour of the IIW-India community. The Indian Welding Journal, published quarterly in technical association with American Welding Society, welcomes all delegates to this gala technical festival. The Editorial Board joins me in congratulating all the Award Winners for the year 2013.

The Indian Welding Journal (IWJ) is guided and composed under the able stewardship of our Editorial Board, which comprises experts from India and other countries as well. We are sure that their valuable advises and inputs will add a new dimension to IWJ. Our actual aim, to make IWJ a journal which will be found something of interest even to a welder.

This issue of IWJ has been decided by the Meeting and Publication Sub Committee to bring out as a special issue focusing on some specific area of welding technology scenario prevailing in India. For example, R. Easwaran et al. in their paper on "Welding Research in India: Present Status and Future Directions" tried to provide an overall picture on welding research, amply contributed by the academia, research centres and the industries in India. However, the authors stressed the need for fundamental research in addition to the applied research which should be accelerated with the pace of the progress in welding technology.

In the second paper on "Welding in Heavy Industries-An Indian Perspective" authored by Dileep Kulkarni and Karthik Iyer, discussed the developments that have taken place in welding and allied areas in heavy industries. It was concluded that Indian heavy engineering industry can now compete globally.

In the third paper on "Welding of Non-Ferrous Metals - Indian Perspective" authored by Manish Samant and Manfred Rostek expressed that with the huge expansion of non-ferrous industries mainly through domestic engineering industry in the next decade, challenge will be boasted on welding industry particularly for consumables and welding equipments. It was concluded that welding consumables, equipments etc. should be developed indigenously to meet the world class quality standards.

The paper on "A Brief Review on Methods for Diffusible Hydrogen Measurement in welds" authored by S.K. Albert and G.K. Padhy illustrated the methods for diffusible hydrogen measurement in steel welds. Among the methods, authors expressed that the hot extraction based methods are better. Furthermore, there is a need for the measurement of local hydrogen concentration in welds for better understanding of HAC.

On behalf of the Editorial Board of the Journal, we look forward successful IC 2014 & WELD INDIA 2014



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