

EDITORIAL

During the last few years the energy consumption, prevention of energy waste and a battement of green house gas emissions have become key operational features for industries globally. Reducing emissions growth will require determined action by all members of industry and to improve awareness and understanding of green house issues, reduce green house shink capacity and develop adoption responses. As a part of challenge, industries are required to monitor their emissions and regularity report on achievements. Thus helping to ensure green house action becomes an intrinsic part of their business agenda. By providing the right information, advice and support, the IIW-India can promote cleaner and more efficient use of energy throughout the welding industry, lower green house gas emission and boost industry competitiveness.

This issue of Indian Welding Journal has three contributed technical papers. All devoted to Friction Stir Welding (FSW) which has created a revolution in manufacturing industry. Friction Stir Welding (FSW) has shown distinct advantages over traditional welding. Additionally FSW is a "Green" Technology. Today, FSW process is being used commercially to join low-melting temperature materials. Mostly various aluminium alloys that are difficult to fusion-weld. However, a no. of challenging problems particularly tool material development remain to be solved if the technology is to exploit commercially for steel.

The National Weld Meet (NWM 2012) was held on 9th June of this year, the theme of the seminar being "Sustainable Development in welding science and technology". The organizers was Visakhapatnam Branch of IIW-India and Visakhapatnam steel plant. Fourteen papers were presented in three technical sessions and I believe the new ideas which emerged from NWM 2012, would help welding industries in facing challenges for newer applications.

The key elements to advance the science, technology and application of welding are education and training. Industry leaders realized that in order to move their companies forward and open new markets they must understand their counterparts around the globe. The welding industry is no exception. Cooperation and flexibility worldwide via the International institute of Welding (IIW), International standard organization (ISO), the American Welding Society (AWS) and IIW-India are vital for harmonious planning toward a unified welding programme and certification.

I believe it is an electrifying, energizing period in IIW-India history. It is a challenging position for IIW India to be in the world market place particularly when Dr. Baldev Raj had taken responsibility as president of IIW.



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