

EDITORIAL

In this issue we have two papers on joining of non-ferrous metal and alloys-one from the group of Dr. G. Madhusudhan Reddy who are all most regular contributor to IWJ and other from the group of Dr. V. Balasubramanian who are also equally contributing to IWJ. The paper on **"Studies on partially melted zone and pitting corrosion resistance of A 356 aluminium–silicon alloy GTA welds"** is of practical importance as the suitability of available techniques in improving weld performance is always demanded by the industries. Furthermore, the corrosion resistance affected by microstructural aspects of Al-Si welds would be interest to the researchers as well.

The papers on **"Developing diffusion bonding windows for joining powder metallurgically produced pure aluminium and pure copper"** is an interesting and novel approach since the joining of P/M products will certainly find in solving the problems of wide applications. Again, process window is an important aspect to the fabricators in order to avail flexibility in parameters setting. Thus two dimensional process window generated from the substantial experimental data could be of interest to the welding engineers.

The third paper is concerned with **"Element transfer study of developed agglomerated fluxes during submerged arc welding"**. SAW fluxes play very complex role during the welding process. Several studies were carried out to understand the chemical behavior of fluxes in order to control the weld metal chemistry. The tried to corrected chemical composition affected by element transfer with the mechanical properties.

The IWJ bring forth technical papers received mostly from academic and research institutes. Though the papers are of practical importance, we need practical application oriented papers to represent complete scenario of welding technology prevailing in our country. On behalf of the editorial board, I make an appeal to the readers to submit such papers in future

The IC 2014 is to be held concurrently with Weld India 2014 during 9-12th April, 2014 in New Delhi, and we expect it to be a very grand success. It is hoped that all interested authors have already submitted their technical abstracts and are waiting for acceptance from the Technical committee.

On behalf of the editorial board of the journal I would like to wish all of our readers, home and abroad, a very happy reading and successful 2014.



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