

## **PREFACE**

This Proceedings volume contains the technical papers connected with the Indo-US Pacific Rim Workshop on, "Advances in Low Carbon High Strength Ferrous Alloys (LCFA-92)"; most of the papers barring a few were presented in the Workshop.

The world of the iron-base alloys, and for that matter that of the metals is not in a very enviable position today, with competitions from several other potential materials for doing service under demanding environments. This challenge has however also stimulated activities that have seen the emergence of new class of materials - one such being the low carbon high strength, tough and highly weldable ferrous alloys. This is why the National Metallurgical Laboratory at Jamshedpur, the Office of Naval Research/ Naval Research Laboratory at Washington DC and the US Army Research Office (Far-East) at Tokyo considered it worthwhile to jointly provide a platform for discussion on low carbon ferrous alloys. It was felt that the information and knowledge that has been generated during the workshop should also be shared with the world community at large, through a Proceedings volume.

The organisers take this opportunity to express their appreciation to M/s. Trans Tech Publications for having agreed to undertake the responsibility of printing this volume. To the authors of various papers, key-note speakers as well as participants in the panel discussion, the organisers would like to record their indebtedness. A special word of appreciation goes out to Mr.K.K.Gupta of the National Metallurgical Laboratory and Dr.(Ms.) Mary Frances Thompson of American Institute of Biological Sciences for having extended their unstinted co-operation in our endeavour.

The reviewing of papers have been done by a number of experts in the field to whom we express our gratitude. In spite of all efforts, there may still be errors in the text that may have inadvertently crept in, for which the indulgence of the readers is solicited.

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