FOREWORD

Foreword

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It is a matter of great pleasure that a special issue on “*Modelling of Manufacturing Processes*” has been prepared based on the selected papers of 5th International and 26th All India Manufacturing Technology, Design and Research (AIMTDR) Conference held at Indian Institute of Technology Guwahati during December 12–14, 2014. AIMTDR-2014 conference was a great success and more than 400 papers were published in the Conference Proceedings. Out of these papers, the extended versions of only eight papers are finally selected for the Special Issue. The papers discuss the modelling aspects of four prominent manufacturing processes namely, Casting, Forming, Welding and Machining. I am sure that these papers will stimulate the researchers as well as practicing engineers in the industry to apply scientific techniques to manufacturing. India has a tremendous potential in science, which, if oriented towards optimizing and inventing manufacturing processes, can boost up the growth of the manufacturing sector and thereby the economy of the nation.

The authors of the papers in this special issue span Indian Institute of Technology Kharagpur, Indian Institute of Technology Bombay, Indian Institute of Technology

Roorkee, Indian Institute of Technology Madras, Indian Institute of Technology Guwahati, Indian Institute of Technology Patna, Kalyani Government Engineering College, India, Vishwakarma Institute of Technology, Pune, India, CSIR—Central Mechanical Engineering Research Institute (CMERI), Durgapur, India and Bharat Heavy Electricals Limited (BHEL), India. Thus, there is a good representation of authors from premier academic institutions all over the country as well as research organization and industry. Journal of The Institution of Engineers (India): Series C is on a growth track and its popularity is increasing in academia and industry. In the near future, more such issues on Special Themes will be published.

I convey my heartiest thanks and gratitude to Prof. Uday S. Dixit and Prof. Swarup Bag for Guest-editing this issue. I am also thankful to the authors, reviewers and the Editorial Team of The Institution of Engineers (India) for helping the journal to scale new heights. I thank the readers of the journal, who play the most important role in making a journal successful. I welcome the constructive suggestions and comments from everyone.

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