

Preface

This book presents the proceedings of the 9th International Conference on Processing and Manufacturing of Advanced Materials – THERMEC'2016, which took place between May 29 and June 3, 2016 in Graz, Austria, under the co-sponsorship of The Minerals, Metals & Materials Society (TMS), USA. The Conference was also under the international auspices of professional organizations from Japan, Korea, France, Italy, The Netherlands, Germany, Brazil, Austria, India, and Canada. The Conference was intended to bring together the researchers and engineers/technologists working in different aspects of processing, fabrication, structure/property evaluation and applications of both ferrous and nonferrous materials including biomaterials, and smart/intelligent materials as well as the advanced characterisation techniques. In addition to the contributed papers, the conference committee included in the final program the invited presentations by active researchers from various countries in several topic areas covered at THERMEC'2016.

Internationally known experts from several countries were invited to deliver Plenary/Keynote lectures at THERMEC'2016. Much of the credit for the success of the conference is due to the topic coordinators who have devoted their time, expertise and experience in promoting and in general co-ordination of the activities for the organization and efficient operation of the Conference. The coordinators of various session topics have devoted a considerable time and energy in soliciting papers from relevant researchers for presentation at the Conference. The Chairpersons of the different session played important role in conducting the proceedings of the session in a timely and efficient manner and the Committee expresses sincere appreciation for their involvement. The reviewers of the manuscripts, those who by tradition would remain anonymous, have been very helpful in efficiently reviewing the manuscripts, providing valuable comments well within the time allotted to them. The Editors express their sincere and grateful thanks to all reviewers.

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Special thanks to Ms. Isabella Scheiber and Ms. Bettina Foessler of TU-Graz for carrying out superbly an enormous day-to-day conference work in last 18 months. Finally, our sincere thanks to Neelima Shekhar, Sukhvindar Chandra, Priya Chandra and Rajni Chandra in assisting the editors at various stages of the manuscript reviewing/editing from March to August 2016.

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Failure Analysis)

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Texture of Materials

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