

Preface

Second International conference on ***Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018)*** was held at Marri Laxman Reddy Institute of Technology and Management, Hyderabad, India during November 19-20, 2018. ICRAMMT-2018 was dedicated to recent developments in the field of materials and manufacturing technologies.

ICRAMMT 2018 was contemplated to realize the importance of advanced materials and necessity for the advancements in manufacturing technologies and also to introduce the cutting edge research being carried out in the respective domains throughout the world to the young researchers and the students. This international conference has brought together researchers, scientists, academicians and industry professionals to discuss innovative ideas and diverse topics on Advanced Materials and Manufacturing Technologies. The conference provided a platform for the students, burgeoning researchers and engineers to interact with the experts and specialists and facilitated to configure fruitful collaborations.

In ICRAMMT – 2018, **Dr. G. Madhusudhan Reddy**, Associate Director, Defense Metallurgical Research Laboratory, Chief Guest of the conference, delivered a keynote lecture on “*Current challenges in Manufacturing of Advanced Materials*”. Two research scientists from USA and six professors from premier Indian institutes, IITs and NITs have delivered the invited keynote lectures about the state of the art research in their areas of expertise. Researchers from China, Switzerland, South Korea, Nepal participated in the conference.

Among the conference submissions, potential papers were selected after a rigorous peer review by conference technical committee and reviewers and were published in conference proceedings. These papers provide the readers an overview of the latest developments in the fields of materials and manufacturing technologies.

We would like to thank SERB DST, Government of India, for providing financial support and extending the help for the success of this conference. We extend our special thanks to Trans Tech Publication for accepting to publish the proceedings of the conference. We would also like to express our gratitude to all the authors, who have contributed to the conference proceedings, and to the members of organizing committee, reviewers, guest speakers, sponsors and other conference participants for their support to ICRAMMT-2018.

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