

Preface

It was a great pleasure to welcome all the participants in the 8th International Conference on Material Science and Engineering Technology (ICMSET 2019) held in NTU@one-north, Singapore 19-21 October 2019. ICMSET is dedicated to new research developments and advances in the fields of Material Science and Engineering Technology.

The key goal of the conference was to bring the academic scientists, engineers, and industry researchers together to exchange and share their expertise, experience and research results, and discuss the challenges and future directions in their specialized areas of research in these fields. Two professors from Singapore and one professor from USA delivered the keynote lectures and two professors from China, one professor from Japan and a professor from Russia delivered the invited lectures about state of the art research in their areas of expertise. Researchers from Singapore, China, Russia, USA, Japan, Egypt, Korea, Indonesia, Czech Republic, Poland, India and so on altogether 18 countries participated in the conference.

The conference provided a golden opportunity for the students, researchers and engineers to interact with the experts and specialists to discuss with them on technical matters and future directions of research.

The proceeding of the conference consists of papers from the universities, research institutes and industry. The papers were selected after a rigorous peer-review by the conference committee members and international reviewers. The papers should provide the readers an overview of many recent advances in the fields related to materials science and engineering technology including the modeling, analysis, computation and optimization as well as the experimental methods.

I would like to thank all the authors who have contributed to this volume and also to the members of the organizing committee, reviewers, speakers, chairpersons, sponsors and the conference participants for their support to ICMSET 2019.

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