

## Preface

It is our great pleasure to welcome you to 2018 International Conference on Materials Design and Applications (ICMDA 2018) which has been held in April 04-06, 2018, Colombo, Sri Lanka. ICMDA 2018 is dedicated to issues related to Materials Design and Applications.

The major goal and feature of the conference is to bring academic scientists, engineers, industry researchers together to exchange and share their experiences and research results, and discuss the practical challenges encountered and the solutions adopted. Professors from Sri Lanka, China, Kuwait and India are invited to deliver keynote speeches regarding latest information in their respective expertise areas. It will be a golden opportunity for the students, researchers and engineers to interact with the experts and specialists to get their advice or consultation on technical matters, sales and marketing strategies.

These proceedings present a selection from papers submitted to the conference from universities, research institutes and industries. All of the papers were subjected to peer-review by conference committee members and international reviewers. The papers selected depended on their quality and their relevancy to the conference. The volume tends to present to the readers the recent advances in the field of nanomaterials and nanotechnologies, application of functional and special structural materials in the practice of the modern mechanical engineering, building materials and applied biotechnologies.

We would like to thank all the authors who have contributed to this volume and also to the organizing committee, reviewers, speakers, chairpersons, sponsors and all the conference participants for their support to ICMDA 2018.

Prof. Xiaozhong Zhang  
Tsinghua University, China  
16<sup>th</sup>, August, 2018

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