

## Preface

The 3rd International Conference on Material Engineering and Manufacturing (ICMEM 2019) and the 4th International Conference on Materials Engineering and Nanotechnology (ICMEN2019) were dedicated to new research developments and advances in the fields of material engineering, nanotechnology and manufacturing.

The participants were from China, USA, Germany, Poland, Thailand etc. The conferences program included keynote, oral and poster presentations from scholars working in the areas to establish platforms for collaboration. The purpose of this meeting was to provide an international forum for recent developments in selected fields of research by bringing together researchers, practitioners and research scholars from all over the world to exchange and share their experiences and research results.

Materials and nanotechnology are among the most active and rapid developing research disciplines in the world, due to great threat from the green-house effect, environmental pollution and depleting fossil energy resources. Nevertheless, timely advancement in these research disciplines requires global wide and multi-disciplinary cooperation. It is therefore of immense importance to establish an international platform for the exchange of latest scientific discoveries, thus boosting technological applications through cost-effective original innovations.

The conferences were intended to provide chances for intensive discussions about their own selected topics, practical challenges encountered and identify future directions for the development of related modeling strategies and engineering techniques on the field of materials science.

Innovative presentations were all invited, and participants for auditing only were also welcomed.

In order to make ICMEM&ICMEN Conference proceedings widely usable by the scientific community, we are proud having a partnership with as one of reputable partner with Trans Tech Publications. We express our deepest gratitude to all members of the scientific committee, invited speakers, reviewers, sponsors, participants in the conference and members of the organizing committee for their valuable contribution to the successful organization of ICMEM&ICMEN.

Prof. Xiaohong Zhu  
Sichuan University, China

