## **Preface**

On behalf of 2014 International Conference on Material Science and Engineering (ICMSE2014) Organizing Committee, we would like to welcome you to Xi'an, China to participate in the 2014 International Conference on Material Science and Engineering.

The ICMSE2014 is one of the leading international conferences for presenting novel and fundamental advances in the fields of material science and engineering. The idea of the conference is for the scientists, scholars, engineers and students from the universities all around the world and the industry to present ongoing research activities, and hence to foster research relations between the universities and the industry. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

This volume of proceedings tends to collect the up-to-date, comprehensive and worldwide state-of-art knowledge on material science and engineering, including Energy and Environment Materials, Structural Materials, Functional Materials, Nano-scale and Amorphous Materials, Materials Processing and Genomic Engineering, Biomaterials and Healthcare, Electronic Materials, Optical Materials, Magnetic and Spintronic Materials, and Carbon-based materials. All of accepted papers were subjected to strict peer-reviewing by 2-4 expert referees. The papers have been selected for this volume because of quality and the relevance to the conference. We hope this volume will not only provide the readers a broad overview of the latest research results on material science and engineering, but also provide the readers a valuable summary and reference in these fields.

ICMSE2014 would like to express our sincere appreciations to all authors for their contributions to this volume. We would like to extend our thanks to all the referees for their constructive comments on all papers; especially, we would like to thank to organizing committee for their hard working.

The organizing committee of ICMSE2014

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