

Preface of the 2012 International Conference on Mechatronics and Materials Engineering (ICMME 2012)

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The 2012 International Conference on Mechatronics and Materials Engineering (ICMME 2012) will be held on Jul. 13-14, 2012, Hangzhou, China. ICMME was initially created by a network of researchers and engineers both from academia and industry in the areas of mechatronics and materials engineering.

The goal of ICMME 2012 is to bring together researchers from the academia and practitioners from the industry in order to address fundamentals and applications of materials and mechanics science. The conference provides a forum where researchers shall be able to present recent research results and new research problems and directions related to them. The conference seeks contributions presenting novel research in all aspects of new advanced methods for material and mechanics science.

The International Program Committee (IPC) of ICMME 2012 consists of more than 20 experts in the related fields both from academia and industry. ICMME 2012 received more than 200 full-paper submissions from 10 different countries around the world. These submissions were sent to the members of the IPC and additional reviewers for review. Every submission received at least two independent reviews. We would like to thank the IPC members and the reviewers for their hard work and dedication. The final acceptance rate of ICMME 2012 is about 45%, that is, only 90 papers are accepted by the conference.

All accepted papers are published in this special volume, which intends to address the hottest issues in materials and mechanics. The volume covers a wide series of topics in the area, including materials structure and technology, computer aided design of materials and application, mechanics and energy research, physics and materials for mechanic engineering, mechanic design and manufacturing, mechanics and control, etc.

On behalf of the IPC, we would like to welcome the delegates and their guests to the ICMME 2012. We hope that you will enjoy the conference and find the ICMME 2012 Program exciting.

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