

Preface of the 2012 International Conference on Computer-aided Material and Engineering 2012 (ICCME 2012)

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The 2012 International Conference on Computer-aided Material and Engineering 2012 (ICCME 2012) was held on Mar. 17-18, 2012, Hangzhou, China. ICCME was initially created by a network of researchers and engineers both from academia and industry in the areas of materials and mechanics research.

The main target of ICCME is to provide an idea-exchange and discussion platform for the world's enterprises and academia, where internationally recognized researches and practitioners share cutting-edge information, exchange and build upon ideas, and explore emerging and new materials and mechanics research efforts. This is also the second for the ICCME series. ICCME 2011 was also held successfully in Mar. 2011.

The International Program Committee (IPC) of ICCME 2012 consists of more than 15 experts in the related fields both from academia and industry. ICCME 2012 received more than 250 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 ICCME 2012 is about 38%, that is, only 94 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 research. The volume covers a wide series of topics in the area, including mechanics applications, study, modeling and technologies of materials, applied mechanics and mechanical engineering, etc.

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

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