

Preface

Dear Distinguished Delegates and Guests,

The Organizing Committee of ICMEAC 2013 warmly welcomes you to the 2013 2nd International Conference on Materials Engineering and Automatic Control (ICMEAC 2013), held on December 29-30, 2013 in Jinan, China. ICMEAC 2013 is sponsored by Shandong Jianzhu University.

The conference is aimed at providing a platform for all of you to present leading-edge work in the fields of Materials Engineering and Automatic Control. More than 400 papers were submitted to ICMEAC 2013 and finally 200 papers are accepted for the conference after peer reviewed by reviewers drawn from the scientific committee, external reviewers and editorial board depending on the subject matter of the paper. Reviewing and initial selection were undertaken electronically. After the peer-review process, the submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. The selected papers and additional late-breaking contributions to be presented as lectures will make an exciting technical program. The conference program is extremely rich, featuring high-impact presentations.

The proceeding records the fully refereed papers presented at the conference. The main conference themes and tracks are Electrical Engineering, Materials Research, Control Engineering, Manufacturing Technology, Power System, Robotics and System Modeling. The main goal of ICMEAC 2013 is also to provide international scientific forums for exchange of new ideas focus on Materials Engineering and Automatic Control.

We would like to thank the program chairs, organization staff, and the members of the program committees for their work. Thanks also go to all those who have contributed to the success of ICMEAC 2013.

Hopefully, all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process. We hope all of you have a unique, rewarding and enjoyable week at ICMEAC 2013 in Jinan, China.

With our warmest regards,

Prof. Guoqun Zhao, Shandong University, China

May 18-19, 2013

Jinan, China

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