

# Preface

Dear Distinguished Delegates and Guests,

The Organizing Committee of ICMECE 2012 warmly welcomes you to the 2012 2nd International Conference on Machinery Electronics and Control Engineering (ICMECE 2012), held on December 29-30, 2012 in Jinan, China. ICMECE 2012 is co-sponsored by Shandong University, Tianjin University, Harbin Institute of Technology, Hong Kong University and Beijing Jiaotong University.

The conference is aimed at providing a platform for all of you to present leading-edge work in the fields of Machinery Electronics and Control Engineering. More than 680 papers were submitted to ICMECE 2012 and finally 295 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 Modelling. The main goal of ICMECE 2012 is also to provide international scientific forums for exchange of new ideas focus on Machinery Electronics and Control Engineering.

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 ICMECE 2012.

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 ICMECE 2012 in Jinan, China.

With our warmest regards,

Prof. Jianfeng Li, Shandong University, China

December 29-30, 2012

Jinan, China

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