

Preface

Dear Distinguished Authors and Guests,

The Organizing Committee warmly welcomes you to 2012 2nd International Conference on Mechanical Engineering, Materials and Energy(ICMEME 2012) (TTP Conference ID: 678), held on 26-27, October,2012, Dalian China.

The aim of 2nd ICMEME 2012 is to present the latest research and results of scientists (professors, students, PhD Students, engineers, and post-doc scientist) related to Mechanical Engineering, Materials and Energy topics. This conference provides opportunities for the different areas 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.

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 presentation. We hope that the conference results constituted significant contribution to the knowledge in these up to date scientific field.

The proceeding records the fully refereed papers presented at the conference. The main conference themes and tracks are Mechatronics and Automation, Mechanic Manufacturing System, Signal Processing, Manufacturing Technology and Processing, Material Science and Technology ,Energy Systems, etc. Hopefully, all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process.

On behalf of the organizing committee, I would like to especially thank Anne, Tanja, Dorte and all the editors from Trans Tech Publications for their great support to 2nd ICMEME2012. Without their excellent editorial work, 2nd ICMEME2012 will not be published so timely and successfully.

Finally we wish all the authors and attendees of 2nd ICMEME2012 a unique, rewarding and enjoyable memory at ICMEME 2012 in Dalian. We look forward to your participation in 3rd ICMEME in 2013.

With our warmest regards,

Sally Gao, Tina Hu

Conference Organizing Chair

November 16, 2012

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