

## Preface

Dear Distinguished Authors and Guests,

The Organizing Committee warmly welcomes you to The First International Workshop on Hydraulic Equipment and Support Systems for Mining (IWHEM2012) , held on 17-18 August, 2012, Huludao, China.

The aim of IWHEM2012 is to present the latest research and results of scientists (professors, students, PhD Students, engineers, and post-doc scientist) related to Hydraulic technology and mining equipment 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 Hydraulic technique, Mining equipment, Advanced Materials Science and other correlation technique. 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, Dorthe and all the editors from Trans Tech Publications for their great support to IWHEM2012. Without their excellent editorial work, IWHEM2012 will not be published so timely and successfully.

Finally we wish all the authors and attendees of IWHEM2012 a unique, rewarding and enjoyable memory at IWHEM2012 in Huludao, China. We look forward to your participation in the 2<sup>nd</sup> IWHEM in 2013.

With our warmest regards,

Zhong You

Conference Organizing Chair

September 14, 2012

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