

# Preface

Dear Distinguished Authors and Guests,

The Organizing Committee warmly welcomes you to 2012 International Conference on Mechatronics and Computational Mechanics(ICMCM 2012), held on 20-21, December,2012, Dubai, UAE.

The aim of ICMCM 2012 is to present the latest research and results of scientists (professors, students, PhD Students, engineers, and post-doc scientist) related to Mechatronics and Computational Mechanics 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, Manufacturing Technology, Modeling and Materials; Computational Mechanics, Methodology and Applied Mechanics 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 ICMCM2012. Without their excellent editorial work, ICMCM2012 will not be published so timely and successfully.

Finally we wish all the authors and attendees, from UK, UAE, Canada, Mexico, Czech Republic, Japan, China, Iran, India, South Korea, Turkey, Poland, Algeria, Malaysia, Singapore, Saudi Arabia, Egypt, etc more than 20 countries, a unique, rewarding and enjoyable memory at ICMCM 2012 in dynamic international city Dubai.

Starting from Dubai, which, from the timeless tranquility of the desert to the lively bustle of the souk, offers a kaleidoscope of attractions and has established itself as a major destination for an eclectic array with half sand, half sea± of local and international events, ICMCM will proceed with providing opportunities for international communication and become an Annual international conference being held and organized all over the world.

We, BOSI EDU, as Professional Organizer for Academic Conferences, will be committed ourselves to make ICMCM more and more professional with fully and enjoyable academic research and

discussion platform for authors and attendees. Sincerely as always, we look forward to your consistent attention and support to 2nd ICMCM in 2013.

With our warmest regards,

Sally Gao

Conference Organizing Chair

December 21, 2012

BOSI EDU, Shenyang, China