

Preface

Dear Distinguished Delegates and Guests,

The Organizing Committees welcome all of you to participate in the 2nd International Conference on Mechanical Automation and Materials Engineering (ICMAME2013) held on Aug.9-11, 2013 in Wuhan, China.

The theme of ICMAME2013 highlights Mechanical Automation and Material Engineering. The conference aims to provide a high-level international forum for researchers and engineers to present and discuss recent advances and new techniques in Mechanical Automation and Material Engineering. It also serves to communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving information technology and computer science related techniques.

ICMAME2013 would provide a remarkable opportunity for the academic and industrial community to address new challenges, share solutions, and discuss future research opportunities within the area mentioned above. This conference is also a platform for the new faces to become known and for previous attendees to refresh their friendships. It is expected that the large number of attendees including well-known scientists and engineers will bring many benefits to the scientific and technological development for many countries and to the formation of new international cooperation and strengthening of established international collaborations.

The Organizing Committees would like to express sincere thanks to all the members of contributors for their great efforts in preparation and commitment to make this conference a success.

We hope that all participants and other interested readers benefit scientifically from the proceedings and also find it's simulating in the process. Besides, we hope you enjoy all the wonderful experiences offered by the city of Wuhan, which is one of the most important and beautiful city in China.

With our best wishes,

ICMAME2013 Organizing Committees
Aug.9-11, 2013
China

Committees:

General Chair

Y.Q.Chang School of Materials Science and Engineering, University of Science and Technology Beijing, China

Proceeding Editor

Daniel Chen, University of Saskatchewan, Canada

Program Committee

Sen-Yeu Yang, College of Engineering, National Taiwan University, Taiwan

H.S. Yan, School of Automation, Dongnan University, China.

G.M. Zhang, School of Automation, Nanjing University of Technology, China

W.Y. Feng, Trent University, Canada

Y. Zang, School of Mechanical Engineering, University of Science and Technology Beijing, China

B.H. Li, School of Automation Science and Electrical Engineering, Beihang University, China,

G.Y. Li, School of Mechanical and Electronic Engineering, Wuhan University of Technology, China

J.Cai, School of Mechanical Engineering and Automation, Beihang University, China

Z.W.Zhu, School of Mechanical Science & Engineering, Jilin University, China

J.J.Yao, College of Mechanical & Engineering, Harbin Engineering University, China

L.J.He, School of Materials Science and Engineering, Liaoning University of Technology, China

M.Z.Wu, School of Materials Science and Engineering, Anhui University, China

L.Chen, Donghua University, China

H.T.Pu, Institute of Functional Polymers, School of Materials Sci. & Eng. Tongji University, China

C.Cai, School of Metallurgy and Materials, Northeastern University, China

R.Z.Zhang, School of Materials Science and Engineering, Taiyuan University of Technology, China

Sponsors:

Advanced Science and Engineering Technology Institute

Ttp trans tech publications inc.

Huazhong University of Science and Technology

Changchun Polytechnic University

Taichung University of Science and Technology