

Preface

2013 International Conference on Microtechnology and MEMS (ICMM 2013) will be held on May 22-23, Beijing, China.

ICMM 2013 has received more than 60 submissions from 10 countries and regions. The papers come from both academia and industry reflecting the international flavor of this event in the topics of Applied Mechanics and Materials. About 10 PC members and 20 International reviewers worked hard in reviewing the submissions. Based on the review reports, about 28 papers were accepted to be presented in ICMM 2013 by the chairs. The papers were grouped into three sessions viz., Materials Science and Materials Processing Technology; Automation, Control, Information Technology and MEMS; Design and Manufacturing.

Chapter1: Materials Science and Materials Processing Technology--This chapter is main research the material's organizational structure, the nature, production processes and the use of performance, as well as the science of the relationship between them. Materials Science is a multidisciplinary combination of crystallization, is an engineering and technical inseparable Applied Science

Chapter2: Automation, Control, Information Technology and MEMS-This chapter is main research the Process Automation, Manufacturing automation, Management automation; A variety of techniques of Management and processing information; Micro-system design technology, Microfabrication technology, Micro-mechanical assembly and packaging technology, The Microsystems characterization and testing techniques

Chapter3: Design and Manufacturing- This chapter study the method of how transformed the basic disciplines and technical disciplines into professional production technology, engineering and process technology and the scientific.

The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of the Microtechnology and MEMS.

Much of the credit of the success of the conference is due to topic coordinators who have devoted their expertise and experience in promoting and in general co-ordination of the activities for the organization and operation of the conference. The coordinators of various session topics have devoted a considerable time and energy in soliciting papers from relevant researchers for presentation at the conference. The Chairs of the different session played important role in conducting the proceedings of the session in a timely and efficient manner and the Committee expresses sincere appreciation for their involvement.

The reviewers of the manuscripts, those by tradition would remain anonymous, have been very helpful in efficiently reviewing the manuscripts, providing valuable comments well within the time allotted to them. The Editors express their sincere and grateful thanks to all reviewers.

The ICMM 2013 International Committee is proud to dedicate this conference proceeding to the Wei Lee from Asia Pacific Human- Computer Interaction Research Center, Hong Kong and Min Wu from Nanchang University, China. Selected as our Conference Chairs, They are not only outstanding and visionary researchers but also humble leaders.

Finally, our sincere thanks to the support from technology program committee for designing the conference web page and also spending countless days in preparing the final conference program in time for printing. Many thanks to Miss Han: ICMM 2013 secretary for arranging to type a large number of the invitation letters and for establishing the vast ICMM2013 conference address data base. Sincere thanks to our organization committee for their several months' hard work in sorting out manuscripts from various authors. Also thanks to other staffs assisting in the various stage of the editorial work, especially the international committees of our conference

Minli Dai