

Preface

2014 International Conference on the Mechanics of Biological Systems and Materials (MBSM 2014)
April 1-2, 2014, Seoul, South Korea.

MBSM 2014 will be the most comprehensive conference focused on the various aspects of advances in Mechanics of Biological Systems and Materials. Our conference provides a chance for academic and industry professionals to discuss recent progress in the area of Mechanics of Biological Systems and Materials.

This proceeding is a collection of the accepted papers concerning Mechanics of Biological Systems and Materials. Depending on the scale at which they are analyzed and used, we can talk about Mechanics, Materials Science and Materials Processing Technology, Design and Manufacturing, Automation, Control, Information Technology and MEMS, Bio-inspired Materials .

This proceeding is enriched by contributions from many experts representing many industry and academic establishments worldwide. Authors from more than 26 different countries have pooled their rich multidisciplinary up-to-date knowledge, in order to share their invaluable experience with the community.

The present volumes collect accepted papers and represent an interesting output of this conference. This book covers these topics:

1. Dynamics and Mechanics in Biological Systems
2. Materials Science and Materials Processing Technology
3. Applied Mechanics
4. Bio-medical Application Research
5. Design, Modeling and Simulation
6. Computing and Information Technology
7. Management and Environmental Application

This conference can only succeed as a team effort, so the editors want to thank the international scientific committee and the reviewers for their excellent work in reviewing the papers as well as their invaluable input and advice.

We would like to express our deep gratitude to all the keynote speakers, authors, referees, exhibitors, technical co-sponsoring organizations, committee members, and many others on whom the success of this prestigious event depends.

With our warmest regards

Changhui Liu, Huazhong University of Science and Technology, China

MBSM2014 Organizing Committee

Honorary Chair

Yuan Lee, Northwestern University, USA

General Chairs

Jun Zhang, Huazhong University of Science and Technology, China

Minli Dai, Suzhou University, China

Organizing Chairs

Khine Soe Thaung , Maldives College of Higher Education, Maldives

Biswanath Vokkarane, Society on Social Implications of Technology and Engineering , Maldives

Publication Chair

Changhui Liu, Huazhong University of Science and Technology, China

Program Chairs

Harry Zhang, IERI Shanghai Office, China

Dehuai Yang , Huazhong Normal University, China

International Committee

Minli Dai, Suzhou University, China

Ying Zhang, Wuhan University, China

Zhenghong Wu, East China Normal University

Tatsuya Akutsu, ACM NUS Singapore Chapter, Singapore

Aijun An, National University of Singapore, Singapore

Yuanzhi Wang, Anqing Teachers' University, China

Yiyi Zhouzhou, Azerbaijan State Oil Academy, Azerbaijan