

Preface

2014 2nd International Conference on Manufacturing (Manufacturing 2014) will be held on February 9-10, 2014, Singapore.

2012 International Conference on Manufacturing (Manufacturing 2012) has been successful held on November 14-15, 2012, Macau, China.

Manufacturing industry refers to manufacturing resources (material, energy, equipment, tools, and human capital, technology, information, etc.), according to market requirements, through the process of manufacture into available for people to use and the use of large tools, industrial products and consumer goods industry life.

The aim of the symposium is to be a bilateral forum for researchers to present their latest findings and exchange ideas in the field of design and manufacturing technology.

We call for papers began in May 20, 2013. Paper submissions finished in November 10, 2013. We have been received more than 350 papers during the time, all the papers have gone through a peer-review process for their originality and quality, finally, only 85 papers were successful accepted.

The topics covered in this book include:

Chapter 1: Materials Science and Materials Engineering

Chapter 2: Design, Manufacturing and Mechanical Engineering

Chapter 3: Control, Automation and Information Technology

Chapter 4: Computer Aided Modeling, Data Monitoring and Analysis

I express my thanks to colleagues for their contributions to Manufacturing2014. I should also like to thank the members of the Organizing Committee, IERI, and the corporate sponsors for their efforts and contributions towards making the conference a success.

Dayun Xu

Manufacturing 2014 Conference Committees

Honorary Chair

Gerald Schaefer, Loughborough University, UK

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

Program Chairs

Xiang Lee, HKEDU, Hong Kong

Dehuai Yang, Huazhong Normal University, China

Program Chair

Dayun Xu, Yangtza 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

Khine Soe Thaung, Maldives College of Higher Education, Maldives

Biswanath Vokkarane, Society on Social Implications of Technology and Engineering

Jessica Zhang, Information Engineering Research Institute, USA

David Meng, Information Engineering Research Institute, USA

Kath David, Information Engineering Research Institute, USA