

# Preface

It is our pleasure to welcome you to the 2013 International Conference on Mechanical Engineering and Instrumentation (ICMEI 2013) will be held on December 31, 2013-January 2, 2014, Brisbane Australia. ICMEI 2013 will be the most comprehensive conference focused on the various aspects of advances in Mechanical Engineering and Instrumentation. Our conference provides a chance for academic and industry professionals to discuss recent progress in the area of Manufacturing Mechanical Engineering and Instrumentation.

We hope you will have a technically rewarding experience, and use this occasion to meet old friends and make many new ones. Don't miss the opportunity to explore in Brisbane Australia. And don't forget to take a sample of the many and diverse attractions in the rest of the Australia.

It is gratifying that the proceeding of ICMEI 2013 include more than 64 excellent papers selected from more than 200 submitted paper(s) whose authors involved at least 25 countries and areas such as Algeria, China, Christmas Island, Czech Republic, Estonia, France, Hongkong, India, Iran, Italy, Kazakhstan, Korea, Republic of Malaysia, Mexico, Norway, Poland, Portugal, Russian Federation, Saudi Arabia, Singapore, Slovakia, Spain, Taiwan, Thailand, Tunisia, Turkey, Ukraine, United Kingdom.

After the excellent presentations on January 1, 2014, authors from different countries and areas participated warmly discussions on January 2, 2014, for their viewpoints with dividing into several session by topics.

All the papers have gone through a peer-review process for their originality and quality. The topics covered in this book include:

Chapter 1: Materials Science and Materials Processing Technology

Chapter 2: Computational and Applied Mechanics

Chapter 3: Design and Manufacturing

Chapter 4: Automation, Control, Information Technology and MEMS

We would like to thank the organization staff, the members of the program committees and reviewers. They have worked very hard in reviewing papers and making valuable suggestions for the authors to improve their work. We also would like to express our gratitude to the external reviewers, for providing extra helps in the review process, and the authors for contributing their research result to the conference. Special thanks go to Applied Mechanics and Materials (ISSN: 1660-9336).

Finally, we wish all attendees of ICMEI 2013 an enjoyable scientific gathering in Brisbane Australia, We look forward to seeing all of you next year at the conference.

Organizing Committee

# ICMEI 2013 Organizing Committee

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