

# Preface

International Conference on Materials, Mechatronics and Automation (ICMMA) is the most comprehensive Conference focuses on the various aspects of advances in Materials, Mechatronics and Automation. Our Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Materials, Mechatronics and Automation.

Since 2011, when the first edition of what is now called ICMMA 2011 took place in Melbourne, Australia, participants from several countries who work on materials, mechatronics and automation realized this type of conference should proceed, involving as much as possible, professionals and academics exchanging experience and scientific knowledge in the subject. Nanchang, China (ICMMA 2012) organized the next one and then Singapore hosted the conference this year on April 21-22. Last year, 2013 International Conference on Materials, Mechatronics and Automation (ICMMA2013) was successfully held on April 21-22, 2013 in Singapore.

This year ICMMA 2014 will be held on April 10-11, 2014, Singapore. The goal of ICMMA 2014 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 Materials, Mechatronics and Automation. The subjects covered several areas and were gathered into seven chapters for publication:

Chapter 1: Materials Science and Materials Processing Technology

Chapter 2: Applied Mechanics

Chapter 3: Design and Manufacturing

Chapter 4: Algorithms and Methodology of Research

Chapter 5: Mechanical Engineering and Controls

Chapter 6: Information Technology

Chapter 7: Management Application

Without the reviewing of the manuscripts by those anonymous reviewers, ICMMA 2014 is impossible to be held. Their valuable comments are very helpful for the authors and conference committees. We express our sincere and grateful thanks to all reviewers. Also thanks to other staffs assisting in the various stage of the editorial work, especially the international committees of our conference.

Finally, special thanks are due to the authors, reviewers and the international committee for your support. We hope that the contents of this volume will prove useful for researchers in the related fields.

Dehuai Zeng

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