

# Preface

On May 20 and 21, 2014, the first International Conference on Applied Mechanics and Mechanical Automation-AMMA2014 was held in Macau with great success. With the effort from the committee, the international reviewers and especially those active and passionate contributors, AMMA2014 has successfully achieved its goal of making its contribution to the development of applied engineering sciences.

This year, the 2nd AMMA2015 will be held in Hong Kong on April 19-20, 2015. With our previous experience on AMMA2014, it is almost sure that AMMA2015 will once again benefit both its organizers and its participants highly.

On AMMA2015, we will first present some researches which have been trying to solve certain long-existed problems in an innovative manner. Then some other researches will show people newly found problems in applied mechanics. All these cases will be discussed by our participants and I wish that both the presenter and the listener can find inspiration through communication.

One of the many improvements for AMMA2015 is that we have adopted a stricter paper reviewing process for submission this year. Thus there may be less papers in proceedings this year, but the significance and research value of these studies are much higher. For the convenience of the readers, all accepted papers are carefully arranged under 6 chapters.

Chapter 1: Applied Mechanics, Researching and Designing of Mechanisms and Machines

Chapter 2: Materials Science and Technology of Materials Processing

Chapter 3: Building Materials and Construction

Chapter 4: Mechatronics, Control and Automation

Chapter 5: Measurements, Instrumentation, Technologies of Detection and Monitoring, Computational Algorithms of Data Processing

Chapter 6: Organization of the Production, Production Planning and Scheduling in Manufacturing and Industry

As usual, I would like to specially express my gratefulness here to all who have helped us generously. I would like to thank all the contributors for their submission, the international reviewers for their professional opinions, the committee and the organizer for their coordinating work and last but not least the TTP Press for editing and publishing this book. Their help is inseparable to the successful opening of AMMA2015.

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