

Preface

On the successful basis of ICFMD 2010 and 2011, 2012 the 3rd International Conference on Frontiers of Manufacturing and Design Science (ICFMD 2012) will be held in Hong Kong, during December 11-13, 2012. The conference is an international forum for the presentation of technological advances and research results in the fields of Manufacturing Technology and Design Science. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. We warmly welcome previous and prospected authors submit your new research papers to ICFMD 2012, and share the valuable experiences with the scientist and scholars around the world.

In the past twenty years, manufacturing and design technology has become involved in many varied applications throughout the world, with multiple products and rapid market services. It has not only provided industries with new methods, new tools and new products from design, material processing to operation and management process, but also is changing the manners, thinking styles and working environments of people in the manufacturing field.

In this conference, we received more than 1000 submission from email and electronic submission system, which were reviewed by international experts, and about 340 papers have been selected for presentation, representing 17 national and international organizations. I think ICFMD 2012 will be the most comprehensive Conference focused on the Manufacturing and Design Science. We believe the proceedings will provide the readers a broad overview of the latest advances in the field of Manufacturing, Design and material Science.

On behalf of the guest editors for this conference proceeding, we would like to thank the National 863 Program of China, National Science Fund of China. We also thank the conference organization staff, and the members of International Technological Committees for their hard work. Dr. Thomas Wohlbier, Managing Editor of Journal of Applied Mechanics and Materials, is greatly acknowledged.

We hope that ICFMD 2012 will be successful and enjoyable to all participants. We look forward to seeing all of you next year at the ICFMD 2013.

Oct, 2012

Wen-Pei Sung

Ran Chen

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