

Preface

The 2nd International Conference on Advanced Engineering Materials and Technology (AEMT 2012) was successfully taken place in Zhuhai, China, on July 6–8, 2012. AEMT 2012 is organized by Hebei University of Technology, Inner Mongolia University of Technology and Korea Maritime University. All submitted papers are reviewed by the researchers with expertise that covered the range of topics presented at the Conference. Only novel contributions to the field of engineering materials or manufacturing technology were considered for publication. After the standard review process by at least two reviewers, all accepted papers are included into the present volumes.

This book covers the subject areas of thin films, surface engineering/coatings, modeling, analysis and simulation, materials forming, materials machining, welding & joining, mechanical behavior & fracture, material design of computer aided, laser processing technology, theory and application of friction and wear, dynamic mechanical analysis, optimization and control, thermal engineering theory and applications, precision manufacturing technology and measurements, material physics & chemistry, dynamic analysis of processing, and advanced design technology

We are sincerely grateful to the authors for the high scientific quality of papers and to the reviewers and editors for diligent and timely processing of the manuscripts. I wish to express my gratitude to all invited speakers who came to share their knowledge with us and provided the necessary volunteer time and expertise.

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The 2nd International Conference on
Advanced Engineering Materials and Technology
(AEMT 2012)

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