

## Preface

Manufacturing engineering is a subject which investigates how to transform base & technical disciplines into specialized production & engineering technology and technological process & method. Herein, energy and materials, which are the basis for manufacturing, are two important parts of manufacturing engineering.

Energy engineering, materials science & engineering and manufacturing engineering have attracted much attention and made progress in research and industry in recent decades. International Conference on Energy, Materials and Manufacturing Engineering (EMME) was aim primarily at bringing together engineering, researchers and academics from colleges & universities, science Institute and enterprises at home and abroad. The EMME2015 was held on October 15-16, 2015 in Kuala Lumpur, Malaysia, and consisted of more than contributed 63 papers lectures in all fields.

In the EMME 2015, the respective section of “Energy engineering (Renewable and new energy resources, Technology for energy system, Engineering thermodynamics, Solar energy utilization technology, Power machinery design, Heat engines and automotive engineering, Architecture and design of engine, etc.)”, “Materials engineering (Electronic information materials, Functional materials, Advanced composites, Bio-composites, Ceramic composites, Metal plastic deforming process, Inorganic nanomaterials, Material forming and process engineering, Surface engineering/coatings, Evaluation and testing of materials, Film fabrication technology, etc.)”, and “Manufacturing engineering (Machinery manufacturing technique, Precise electromechanical devices, Industrial robots, Operation and maintenance of numerical control equipments, Metal materials, Mechanical engineering materials, Bio-pharmaceutical, Chemical machinery, Chemical reaction engineering, etc.)”. The proceeding book records the refereed papers presented at the EMME 2015.

The EMME 2015 has held successfully. I would like to thank the organizing committee, Green Bos'n Academic Service Co., Ltd. (GBAS) and all the participants of the conference for contributing to a successful and enlightening meeting, Moreover, on behalf of the organizing committee, I would like to especially thank all the editors from EDP Sciences for their great support to EMME 2015.

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Organizing Committees  
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