

Preface

In the Name of Allah, Most Gracious and Most Merciful.

On behalf of the Faculty of Mechanical Engineering, Universiti Teknologi Malaysia and Akademia Baru Press, the editor would like to thank all the authors that contributed to this proceeding.

The topics covered in this proceeding include application of advanced materials in various engineering fields especially in applied mechanics & design, thermo-fluids, manufacturing process, aeronautics, oceanic, automotive and industrial process.

Because the contributions for this book come from various authors of various backgrounds, who themselves are experienced in their own right, they are responsible towards the contents of their work. Any questions, however, may be directed to the editor to be forwarded to the respective authors.

Finally, all of these chapters are presented as to share the knowledge and research findings with the readers. The editor hopes that this proceeding serves its purpose in disseminating knowledge and creating enthusiasm among the readers in the area of Mechanics and Applied research.

Nor Azwadi Che Sidik
Department of Thermofluids
Faculty of Mechanical Engineering
Universiti Teknologi Malaysia
2014

Organizing Committee

Mdm. Rozanti A.Hamid
Penerbit Akademia Baru
ahrozanti@gmail.com

Dr. Nor Azwadi Che Sidik
Department of Thermo-fluid,
Faculty of Mechanical Engineering,
Universiti Teknologi Malaysia, Malaysia
azwadi@fkm.utm.my

Dr. Shervin Sharafatmandjoor
Department of Mechanical and Aerospace Engineering,
Science and Research Branch,
Islamic Azzad University, Theran, Iran
sharafatmandjoor@gmail.com

Dr. Saeed Jamei
Department of Marine Engineering,
Faculty of Engineering,
Universiti teknologi Malaysia, Malaysia
Jsaeed2@live.utm.my

Dr. M'hamed Beriache
Faculty of technology,
Department of Mechanical Engineering,
University Hassiba Benbouali, Algeria
m.beriache@gmail.com

Dr. Syahrullail Samion
Department of Thermo-fluid,
Faculty of Mechanical Engineering,
Universiti Teknologi Malaysia, Malaysia
syahruls@mail.fkm.utm.my

Dr. Nik Ahmad Ridhwan bin Nik Mohd
Department of Aeronautical Engineering,
Universiti Teknologi Malaysia, Malaysia
ridhwan@fkm.utm.my

Dr. Khalid Saqr
Mechanical Engineering Department,
College of Engineering and Technology (Alexandria campus),
Arab Academy for Science, Technology and Maritime Transport, Egypt
khaledsaqr@gmail.com

Miss Siti Aisyah Razali
Penerbit Akademia Baru
ctecah@gmail.com

Mdm. Nuraliza Noorawzie
Penerbit Akademia Baru
nuralizanoorawzi@gmail.com