

Preface

2014 3rd International Conference on Key Engineering Materials and Computer Science (KEMCS 2014) will be held on August 5-6, 2014, Singapore. KEMCS 2014 is an integrated conference concentrating its focus upon Key Engineering Materials and Computer Science. The conference promises to be both stimulating and informative with a wonderful array of keynote and invited speakers Prof. Gerald Schaefer from Loughborough University, UK

Materials science is an interdisciplinary field applying the properties of matter to various areas of science and engineering. This scientific field investigates the relationship between the structure of materials at atomic or molecular scales and their macroscopic properties. It incorporates elements of applied physics and chemistry. With significant media attention focused on Nanoscience and nanotechnology in recent years, materials science has been propelled to the forefront at many universities. It is also an important part of forensic engineering and failure analysis. Materials science also deals with fundamental properties and characteristics of materials.

In order to meet high standard of “Advanced Material Research, the Organization committee has made their efforts to do the following things,

Firstly, we start to call for papers in January 10, 2014. During the past 4 months, we have been received 380 papers, but poor quality paper has been refused after reviewing by anonymous referee experts.

Secondly, all the papers have gone through a peer-review process for their originality and quality. The topics covered in this book include:

Chapter 1: Materials Science and Materials Engineering

Chapter 2: Artificial Intelligence and Data Mining, Data, Image and Signal Processing, Intelligent Automation and Control

Chapter 3: Computer Science and Information Technologies

Chapter 4: Electrical and Magneto electric Applications

Chapter 5: Advanced Technologies in Social, Education, Economics, Statistics and Management Applications

In the proceeding, you can learn much more knowledge about Key Engineering Materials and Computer Science of researchers all around the world.

I am thankful to colleagues for their contributions to KEMCS 2014. I should also like to thank the members of the Organizing Committee and the corporate sponsors for their efforts and contributions towards making the conference a success. Special thanks go to TTP Publisher Our sincerely acknowledgements are also expressed to the people who contribute to the proceedings and conference. Moreover, my thanks are also due to the sponsors for providing much help for the conference.

Finally, I hope the attendees benefit from the conference, and have a happy and meaningful journey in Singapore.

Khanitha Wongseedakaew and Qi Luo

KEMCS 2014 Organization Committee

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Gerald Schaefer, Loughborough University, U.K

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