# **Preface**

Dear Distinguished Delegates and Guests,

The Organizing Committee of ICMSET 2014 warmly welcomes you to the 2014 3rd International Conference on Material Science and Engineering Technology (ICMSET 2014), held on October 24 -26, 2014 in Beijing, China. ICMSET 2014 is sponsored by South Asia Institute of Science and Engineering (SAISE).

The conference is aimed at providing a platform for all of you to present leading-edge work in the fields of Advanced Materials Research. More than 200 papers were submitted to ICMSET 2014 and around 118 papers are accepted for the conference after peer reviewed by reviewers drawn from the scientific committee, external reviewers and editorial board depending on the subject matter of the paper. Reviewing and initial selection were undertaken electronically. After the peer-review process, the submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. The selected papers and additional late-breaking contributions to be presented as lectures will make an exciting technical program. The conference program is extremely rich, featuring high-impact presentations.

The proceeding records the fully refereed papers presented at the conference. The main conference themes and tracks are Material Science and Engineering Technology. The main goal of ICMSET 2014 is also to provide international scientific forums for exchange of new ideas focus on Material Science and Engineering Technology.

We would like to thank the program chairs, organization staff, and the members of the program committees for their work. Thanks also go to all those who have contributed to the success of ICMSET 2014

Hopefully, all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process.

We hope all of you have a unique, rewarding and enjoyable week at ICMSET 2014 in Beijing.

With our warmest regards,

Prof. Dr. Osman Adiguzel, Firat University, Department of Physics, Turkey

Beijing, China

October 24 -26, 2014

## **Committees**

### **Advisory Committee**

Prof. Hung Yeung Sam, Hong Kong University, Hong Kong

Prof. Shinn- Liang Chang, National Formosa University, Taiwan

#### **Conference Co-Chairs**

Prof. Osman Adiguzel, Firat University, Department of Physics, Turkey

Prof. Muhammad Yahaya, UKM, Malaysia

Prof. Mohd. Zulkifly b. Abdullah, University Sains Malaysia, Malaysia

Prof. C. W. Lim, City University of Hong Kong, Hong Kong

## **Program Committee Chairs**

Prof. Wenliang Guo, Taiyuan University of Technology, China

Prof. Sofian M. Kanan, American University of Sharjah (AUS), U.A.E

Prof. Shigeyuki Haruyama, Yamaguchi University, Japan

Prof. Yasuyuki Kato, College of Science & Technology Nihon University, Japan

#### **International Technical Committees**

Dr. Carlos Rolando Rios-Soberanis, Centro de Investigación Científica de Yucatán, MEXICO

Assoc. Prof. Kazunori Asano, Kinki University, Japan

Dr. E. A. Flores-Johnson, The University of Sydney, Australia

Dr. Mehul Mahrishi, Central University Of Rajasthan, India

Dr. G. R. Štrbac, University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia

Assoc. Prof. BÜLENT EKMEKÇİ, Bülent Ecevit University, Zonguldak Turkey

Dr. Khaulah Sulaiman, University of Malaya, Malaysia

Dr. Salamat Ali, Govt. College University, Lahore, Pakistan

Prof. Narendra Kumar Verma, Thapar University, India

Assoc. Prof. M. R. Benam, Head of the Physics Department, Payame Noor University, Mashad, Iran

Dr. Jaroslaw Milewski, Warsaw University of Technology, Insitute of Heat Engineering, Poland

Dr. Sudha L. K., Bangalore Institute of Technology, India

Dr. Prof. S. K. Shakshooki, Department of Chemistry, Faculty of Science, Tripoli University, Libya

Prof. Yi-Cheng Huang, National Changhua University of Education, Taiwan

Prof. Atef A. Ata, Alexandria University, Egypt

Prof. Morgan Remond Heikal, Universiti Teknologi Petronas, Malaysia

Assoc. Prof. Baoqing Wang, Nankai University, China

Dr. Redouane Bachir, University of Tlemcen, Algeria

Dr. Abdul Qadir, Usman Institute of Technology Karachi, Pakistan