

Preface

In order to be organized as a leading annual international conference of IAMR for researchers, scientists to participate all over the world, Annual International Conference on Intelligent Materials and Nanomaterials (AIMN14) is successfully held on April 18-19, 2014 in Seoul, South Korea.

AIMN14 serves as the important and influential platform for authors to publish manuscripts in excellent international proceedings and exchange new ideas face to face. AIMN14 is the unique conference with its strong organization team, dependable reputation and wide sponsors all around the world.

All accepted papers of AIMN14 have been strictly selected for the quality and the relevance to the conference. We sincerely hope that the current selected papers provide a good overview of the research activities related to advanced materials and engineering. These new materials includes, intelligent materials, nanomaterials synthesis and properties, nano devices and system, nano materials, technologies for applications, materials/nanufacturing processes, etc.

The volume of AIMN14 is expected to boast future research activities within the new actions, meetings and conferences and this volume is provided not only for the readers abroad overview of the latest research results on material science and related fields, but also for those who wish to have a valuable summary and reference in these fields.

We would like to express our sincere appreciations to all the authors for their contributions to this volume. We are indebted to all the referees for their constructive comments on the papers. Many thanks are also warmly given to Trans Tech Publications, the distinguished publisher of AIMN14.

All staffs of AIMN14 Organizing Committees from IAMR look forward to your continuous attention and support to this Annual International Conference in the future.

AIMN14 Organizing Committees

Committees

Honorary Chairs

Prof. Vikas Tomar, Purdue University, USA

Editorial Chairs

Prof. Taufiq Yap Yun Hin, Universiti Pertanian Malaysia (UPM), Malaysia

PC Co-Chairs

Prof. Elias Saion, Universiti Pertanian Malaysia (UPM), Malaysia

Prof. Razali Ismail, Universiti Teknologi Malaysia (UTM), Malaysia

Prof. Jeonghoon Yoo, Yonsei University, South Korea

Prof. Min Chen, Aalborg University, Denmark

Dr. Xufeng Dong, Dalian University of Technology, China

Prof. Mohd Sapuan Salit, Universiti Pertanian Malaysia (UPM), Malaysia

Prof. Kurapati Srinivas, GMR institute of technology, India

Prof. Jayabalan M, Biomaterials Subject Group of MRSI, India

Prof. Avishai Yshai, Ben-Gurion University of the Negev, Israel

Dr. Othman Inayatullah, Universiti Pertanian Malaysia (UPM), Malaysia

Steering Committee Chairs

Prof. Choi Changhwan, Hanyang University, South Korea

Prof. Kun Zhao, China University of Petroleum (Beijing)