

Preface

2016 International Conference on Materials Engineering and Nanotechnology (ICMEN) was held in Taipei, Taiwan during May 21-23, 2016. ICMEN 2016 was sponsored by National Taipei University of Technology, Taiwan. It aims to put forward the newest development and research achievement in materials engineering, processing technologies and nanotechnology and foster communication among researchers and practitioners who work in a wide variety of scientific areas with a common interest in improving materials engineering and nanotechnology.

The ICMEN organizing committee has received over 50 high quality papers from academic researchers and practitioners. And the proceedings of ICMEN 2016 include 24 selected papers which were presented orally at the conference or via poster sessions. A large proportion of these papers addressed current scientific research and provided solutions to industrial problems, thereby creating an environment of mutual interest between industry and academia. The papers are accepted after being peer-reviewed by the international conference committees and external reviewers. All the authors of accepted papers gave excellent presentations at the conference. Participants have exchanged in detail around materials engineering and nanotechnology. On the basis of the conference achievement, we collected these research papers into this conference proceeding, in which the content represents the latest international academic progress of materials engineering, processing technologies and nanotechnology. We hope the presented papers will be interesting for readers and a good base for inspiration for future developments.

On behalf of the conference organizing committee, we would like to express our sincere appreciation to the keynote speakers, for their excellent and inspirational speeches, the reviewers, for their valuable inputs for improving the scientific content of these papers. We also would like to thank every technical committee member and author who has contributed to the success of the conference.

Prof. Chii-Ruey Lin
Vice President
National Taipei University of Technology, Taiwan
June 25, 2016

Committees

Conference Committee Chairs

Prof. Sofian M. Kanan, American University of Sharjah (AUS), U.A.E
Prof. Chii-Ruey Lin, National Taipei University of Technology, Taiwan

Program Committee Chairs

Assoc. Prof. Dr. Saud Hamad Aldajah, Abu Dhabi Polytechnic, UAE
Prof. Ram Mohan, North Carolina A&T State University, USA
Prof. Arunachala Kannan, Arizona State University, USA

International Technical Committees

Assoc. Prof. Hui-Hsin Huang, Aletheia University, Taiwan
Prof. Li Yang, Xi'an Jiaotong Liverpool University, P. R. China
Asst. Prof. Kaykhosrow Khojier, Department of Physics, Chalous Branch, Islamic Azad University, Iran
Siti Norasmah Surip, Senior Lecturer, Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia
Jeyashelly Andas, Universiti Teknologi MARA, Malaysia
Mahendran Samykano, Universiti Malaysia, Malaysia
Prof. Hyun Do Yun, Gifu University, Japan
Asst. Prof. Jeyashelly Andas, Universiti Teknologi MARA, Malaysia
Dr. Fatimah Noor, ITB, Indonesia
Prof. Paul Ho, National University of Singapore, Singapore
Prof. S.M Sapuan, Universiti Putra Malaysia, Malaysia
Yongli Liu, Northeastern University, China
Assoc. Prof. Chang-Mou Wu, National Taiwan University of Science and Technology, Taiwan