

Preface

The 3rd International Conference on Material Engineering and Manufacturing (ICMEM 2019) and the 4th International Conference on Materials Engineering and Nanotechnology (ICMEN2019) were dedicated to new research developments and advances in the fields of material engineering, nanotechnology and manufacturing.

The participants were from China, USA, Germany, Poland, Thailand etc. The conferences program included keynote, oral and poster presentations from scholars working in the areas to establish platforms for collaboration. The purpose of this meeting was to provide an international forum for recent developments in selected fields of research by bringing together researchers, practitioners and research scholars from all over the world to exchange and share their experiences and research results.

Materials and nanotechnology are among the most active and rapid developing research disciplines in the world, due to great threat from the green-house effect, environmental pollution and depleting fossil energy resources. Nevertheless, timely advancement in these research disciplines requires global wide and multi-disciplinary cooperation. It is therefore of immense importance to establish an international platform for the exchange of latest scientific discoveries, thus boosting technological applications through cost-effective original innovations.

The conferences were intended to provide chances for intensive discussions about their own selected topics, practical challenges encountered and identify future directions for the development of related modeling strategies and engineering techniques on the field of materials science.

Innovative presentations were all invited, and participants for auditing only were also welcomed.

In order to make ICMEM&ICMEN Conference proceedings widely usable by the scientific community, we are proud having a partnership with as one of reputable partner with Trans Tech Publications. We express our deepest gratitude to all members of the scientific committee, invited speakers, reviewers, sponsors, participants in the conference and members of the organizing committee for their valuable contribution to the successful organization of ICMEM&ICMEN.

Prof. Xiaohong Zhu
Sichuan University, China

Committees

Conference Committee Chairs

Prof. Lu Li, National University of Singapore, Singapore
Prof. Li Tao, Southeast University, China
Prof. Xiaohong Zhu, Sichuan University, China
Prof. Lichun Dong, Chongqing University, China

Program Committee Chairs

Prof. Terry Yuan-Fang Chen, Natinal cheng kung university, Taiwan
Prof. Shih-Chieh Lin, National Tsing-Hua University, Taiwan

Technical Committee Chairs

Prof. Ch. Sanjay, GITAM University Hyderabad, India
Prof. U Achutha Kini, Manipal Institute of Technology (MIT), Manipal Academy of Higher Education (MAHE), India
Prof. Vinod Tungikar, S.G.G.S., Nanded, Maharashtra, India
Assoc. Prof. Deng Xiaolei, Quzhou University, China
Assoc. Prof. Chi-Wai Kan, The Hong Kong Polytechnic University, Hong Kong
Assoc. Prof. Dun-Yen Kang, National Taiwan University, Taiwan
Assoc. Prof. Vu Ngoc Pi, Thai Nguyen University of Technology, Vietnam
Assoc. Prof. Mohd Faizul bin Mohd Sabri, University of Malaya, Malaysia
Assoc. Prof. Achanai Buasri, Silpakorn University, Thailand
Asst. Prof. Shuai Wang, Chongqing Jiaotong University, China
Dr. Cheng-Hao Chiu, National Kaohsiung University of Sciences and Technology, Taiwan
Dr. Kusno Kamil, Universitas Muslim Indonesia, Indonesia
Dr. Jie Gao, University of Oklahoma, United States
Dr. Markus Eblenkamp, Technical University of Munich, Germany
Xuejun Liu, University of Wisconsin Stout, USA
Hugo Miguel Silva, University of Minho, Portugal
Jinqiang Ning, Georgia Institute of Technology, United States