

Preface

2016 International Conference on Energy Engineering and Smart Materials was held in June 18-20, 2016 in Bangkok, Thailand. And this volume consists of the selected papers presented at ICEESM 2016, which are addressing diverse topics related to recent trends in materials science and production. We hope the volume will offer the readers a good opportunity to access the state-of-the-art developments and future directions of researches in materials science and production.

The technical objective of this conference is to address key issues associated with science and technology in this rapidly evolving field of research and to promote contact between basic researcher and technological needs for real industrial applications. This event is intended as a vehicle for the dissemination of research results on latest advances made in the area of materials science and production, which gave an excellent opportunity for the scientists and researchers around the world to have a common platform to exchange their findings and to discuss the developments and make a base for starting collaborations in the national and international level. It was also aimed at promoting contacts amongst researchers and research groups for the creation of multinational thematic and research networks, as well as promoting contacts for future collaborative joint projects within some of the international funding programs.

The activities of the conference included invited speeches and oral presentations in sessions, including poster presentations. The invited talks were focused on the potential application of energy engineering and smart materials in various fields of application. Among the 41 full length articles submitted to the conference, about 19 manuscripts were selected after peer review and were recommended for publication in this volume.

We would like to thank the members of the conference committee, the reviewers who spared their valuable time, for their advice which have certainly helped to improve the quality, accuracy, relevance and the sincere efforts to maintain the quality of each paper selected for this conference program and volume for publication. And thank every author and participant who has contributed to the success of the conference.

Prof. Viboon Sangveraphunsir, Department of Mechanical Engineering, Faculty of Engineering,
Chulalongkorn University, Bangkok, Thailand
Prof. Dr. Osman Adiguzel, Firat University, Department of Physics, Turkey

15/June/2016

Committees

Advisory Committee

Prof. Kyle Jiang, University of Birmingham, UK

Conference Chair

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

Program Chair

Prof. Thanakom Soontornchainaksaeng, King Mongkut's University of Technology North Bangkok, Thailand

Technical Committee

Prof. Dr. Mustafa Culha, Yeditepe University, Turkey

Prof. Kenji Toda, Niigata University, Japan

Dr. Mohamed Elkaftangui, Abu Dhabi University, UAE

Dr. Mahieddine Emziane, Masdar Institute of Science and Technology, UAE

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

Prof. Asghar Asgari, University of Tabriz, Iran

Dr. Ramin Yousefi, Islamic Azad University (I.A.U), Iran

Prof. Dr. Ahmed Ali Mooosa, Materials Department, Technical College, Iraq

Prof. Reza Abbaschian, University of California, USA

Dr. Nuta Supakata, Chulalongkorn University, Thailand

Dr. Phongsak Phakamach, The Army Research and Development Office, Royal Thai Army, Ministry of Defence, Thailand

Prof. Ghim Wei Ho, National University of Singapore, Singapore