Preface

2016 5th International Conference on Manufacturing Engineering and Process was held in Istanbul, Turkey, May 25-27, 2016. This conference covered recent trends and progresses made in the field of industrial manufacturing and technological processes.

The theme of this conference was the 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 was intended as a vehicle for the dissemination of research results on latest advances made in the area of industrial manufacturing and technological processes, 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.

The volume consists of the selected papers presented at ICMEP 2016, which were addressed to diverse topics related to recent trends in industrial manufacturing and technological processes. We hope the volume will offer the readers a good opportunity the access to the future directions of researches in area of industrial manufacturing and technological processes.

The conference program offered invited, oral and poster presentations. 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 manufacturing engineering and process in various fields of application. Among the 38 full length articles submitted to the conference, about 19 manuscripts were selected after peer review and were recommended for publication in this volume.

We want to express our gratitude to all the members of conference committee, and 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. Also, we would like to thank every author and participant who has contributed to the success of the conference, and we truly hope to see you again in the next year of ICMEP.

Prof. Osman Adiguzel, Firat University, Turkey Prof. Mário S. Ming Kong, University Lisbon, Portugal Dr. Kai Li, Guizhou University, China

June 21, 2017

Committee

International Advisory Committee

Joost Duflou, Katholieke Universiteit Leuven, Belgium

General Co-Chairs

Osman Adiguzel, Firat University, Department of Physics, Turkey

Program Chairs

Mário S. Ming Kong, University Lisbon, Portugal

İlhan Asiltürk, Selcuk University, Turkey

Serhat İkizoğlu, Istanbul Technical University, Turkey

Technical Committee

Yusri Yusof, Department of Manufacturing and Industry Engineering, Faculty Mechanical & Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, Malaysia

Hassan El-Hofy, Alexandria University, Alexandria, Egypt

Mehmet Karakose, Firat University, Turkey

İlhan Asiltürk, Selcuk University, Turkey

Balhassn S. M. Ali, Department of Mechanical Engineering, Bursa Orhangazi University, Turkey

Yusri Yusof, Universiti Tun Hussein Onn Malaysia

Jaharah Binti A. Ghani, National University of Malaysia, Malaysia

Che Hassan Bin Che Haron, National University of Malaysia, Malaysia

Muhammad Fahad, IMD, NEDUET, Karachi, Pakistan

Hasan Al Dabbas, Philadelphia University, Jordan

Supakorn Pukird, Ubon Ratchathani University, Thailand

Mehmet Savsar, Kuwait University, Kuwait