

Preface

The Institute of Materials Malaysia has been organizing a biennial International Materials Technology Conference and Exhibition (IMTCE) since 1990. The 8th International Materials Technology Conference and Exhibition was organised on 9- 12th July 2012 at Sunway Resort Hotel, Petaling Jaya, Malaysia bearing the theme Green Technologies for Sustainable and Innovation in Materials.

The objectives of the conference are as follows:

- i. To gather of minds from the Materials Technology Fraternity to share knowledge & experiences in materials science, technology and engineering. The creation of awareness on the role of Materials Technology in improving quality of life.
- ii. To review the impact of Green Technology & Materials innovations on Ecology, Environmental Conservation and Sustainability.
- iii. To provide opportunities for new innovations and inventions in the Materials Technological fields to be promoted to the public and industry and
- iv. to highlight and underline the importance of Materials Technology as the enabler for other technologies.

The 8th IMTCE was well attended by the academics, technologist and industrialist with a total participation of more than 400 participants from all over the world. More than 300 papers were presented within 14 symposiums dwelling in 14 different areas, ranging from fundamental academic research to applied technology research. The conference was also able to attract post graduate students and practitioners who are conscious of their roles and contributions in creating wealth for the nation through the synthesis, design and fabrication of new components from many classes of materials as well as that in policy making, safety & health and the environment.

We would like to take this opportunity to express our sincere thanks and gratitude to the plenary speaker, Prof. Dr. Sabu Thomas of the School of Chemical Sciences at Mahatma Gandhi University (India), the key note speakers, Prof. Dr. K. Sudesh Kumar, from the School of Biological Sciences, Universiti Sains Malaysia, Prof. Dr. Manfred Stamm of Leibniz Institute of Polymer Research Dresden, Germany, Prof. Dr. Yangchuan Ke from the Faculty of Chemical Science and Engineering, China University of Petroleum, Beijing, P R China and Assoc. Prof. Dr. Tin Wui Wong of the Faculty of Pharmacy, Universiti Teknologi MARA, Malaysia. We also wish to thank the invited speakers presenters, reviewers, participants, committee members of the organizing team and those who have been directly and indirectly involved in making this conference successful.

Particularly to our co-organizer, The Academy of Science Malaysia, the event organizer, Materials Technology Education and to all our sponsors, we wish to express our deepest gratitude for being with us all the way in ensuring the success of the conference.

M.K. Harun¹
M.Z.A. Yahya²
S. Abdullah¹
C.H. Chan¹

¹Faculty of Applied Science, Universiti Teknologi MARA, 40450 Shah Alam, Malaysia

²Faculty Science & Defence Technology, Universiti Pertahanan Nasional Malaysia, 57000 Kuala Lumpur, Malaysia