

Preface

The tenth event in the series of Advances in Materials and Processing Technologies (AMPT 2007), began at the Dublin City University, Ireland in 1993 was hosted by the National Research Laboratory for Computer Aided Materials Processing at the Korea Advanced Institute of Science and Technology (KAIST). The Conference was held in Daejeon, Korea during October 7-11, 2007.

After the first meeting at the Dublin city, four subsequent Conferences were hosted by the Dublin City University in 1995, 1999 and 2003. The meetings were also held in Portugal in 1997, Malaysia in 1998, Spain in 2001, Poland in 2004, and USA in 2006.

The scope of the Conference will cover all aspects of materials including metals, ceramic, and composites, and their processing technologies involved. They include: forging, micro-forming, rolling and hydro-forming, extrusion, bending, sheet metal forming, drawing, casting, material removal processes, grinding, non-traditional machining, powder metallurgy, micro-electro-mechanical-system, welding, laser processing, polishing, injection molding, processing of composites, thin film technology, material property and formability, tool life and coating, and computer aided design and modeling, etc.

The papers originated from 23 countries around the world, including Australia, Brasil, China, Canada, Croatia, France, Germany, Hong Kong, India, Iran, Ireland, Italy, Japan, Malaysia, Nigeria, Poland, Portugal, Saudi Arabia, Spain, Thailand, Taiwan, UK, and USA. A total of 340 abstracts were received. After peer review by the technical committee, 51 full papers were selected from 230 for possible publication in the special issue of the Journal.

The contribution and cooperation of the organizing and technical committees, speakers, authors,

session chairpersons, as well as supporting organizations and staff are most gratefully acknowledged. Special thanks go to the plenary speakers, Dr. Ohjoon Kwon at POSCO and Dr. Moon-Sik Kwon of Hyundai Motors for delivering a wonderful presentation and hosting the industrial visits of the attending delegates.

Especially, the financial sponsorship of Mr. Eun-Deog Chu of Space Solution for the W. Johnson Gold medal is very much appreciated in addition to co-hosting the Conference. Also making the conference possible were the financial supports from the KAIST through the Office of the International Relations, as well as the Ministry of Science and Technology, the Ministry of Commerce, Industry and Energy, KOSEF, KITECH and the Korea Tourism Organization.

On behalf of the AMPT 2007 Organizing Committee, I would like to extend my warmest welcome to all delegates. I wish all of you to have a productive, enjoyable time. For overseas delegates in particular, I hope you have a chance to share the spirit of Korea during your stay here in the wonderful autumn season.

Thank you.

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