Preface

International Conference on Mechatronics and Information Technology (ICMIT) is an international event designed to promote the exchange of knowledge and research development in Mechatronics, Information Technology and correlative fields. In recent years, there has been an increase in the recognition of the importance of the application of Mechatronics and Information Technology, including its impact on newly emerged scientific disciplines such as Medical and Health Welfare, Smart Instruments and MEMS. Therefore, the coverage of the present Conference has been broadened to reflect these increasingly interdisciplinary fields. The accomplishment of this goal calls for mutual collaborations and joint efforts among the multiple disciplines of science and technology, including Mechatronics and Information Technology.

ICMIT2005 was held on 20–23 September 2005 in Chongqing, China. We had 360 research papers, 29 organized sessions, and 6 plenary talks in the conference. The topics of ICMIT 2005 focused mainly on Control Theory and Application, Sensors and Signal Processing, Actuators and Mechanism, Robotics and Human Interface, Smart Materials, Mechatronics and MEMS, Medical and Health Welfare Instruments, Information Technology, Communication and Network Systems, Intelligent Control and System. The next conference, ICMIT2007 was held on 5–6 December 2007 in Gifu, Japan. We received a total of 373 submissions, out of which 213 papers were accepted for presentation and publication in the proceedings. The International Program Committee assembled a comprehensive technical program that covered a broad spectrum of topics in Control Theory and Application, Sensors and Signal Processing, Actuators and Mechanism, Robotics and Human Interface, Smart Materials, Mechatronics and MEMS, Medical and Health Welfare Instruments, Information Technology, Communication and Network Systems, Intelligent Control and System, and Ubiquitous Application. Some excellent papers were recommended by the organizing committee for publication in a special issue of the International Journal of Applied Electromagnetics and Mechanics. Twenty papers including the latest results and within the scope of the IJAEM were stringently selected through a peer reviewing process.

We would like to express our deep gratitude to the Advisory Committee, Program Committee, Steering Committee members and all the staff at Chongqing Institute of Technology and Gifu University for helping to organize ICMIT2005 and ICMIT2007. We are also grateful to sponsors: the Korea-Japan Joint Advanced Mechatronics Research Association, the Chinese Mechanical Engineering Society, Chongqing Institute of Technology, the Mechatronics Research Center of Chonbuk National University, the Biomedical and Welfare Division in Yamaguchi University, the Faculty of Symbiotic Systems Science in Fukushima University, the Faculty of Engineering of Gifu University, the Japan Society of Applied Electromagnetics and Mechanics, Gifu Convention Center, GES Inc. in Korea, KAHA Inc. in Korea, and the co-sponsors.

Finally, the successfulness of the ICMIT 2005 and 2007 was due to the sponsorship of the AEM society and their cooperation to publish a special issue of the International Journal of Applied Electromagnetics and Mechanics. We would like to say thanks again to the IJAEM editors for supporting ICMIT2005 and 2007. We hope all the attendees and the IJAEM editors and readers will come to ICMIT2011. See you in Shenyang China in August 2011.
Preface

General Chairs of ICMIT2005
Yunlong Wei, Chongqing Institute of Technology, China
Kil to Chong, Chonbuk National University, Korea
Takayuki Takahashi, Fukushima University, Japan

General Chairs of ICMIT2007
Minoru Sasaki, Gifu University, Japan
Gisang Choi Sang, Seoul City University, Korea
Zu Shu Li, Chongqing Institute of Technology, China

Program Chair of ICMIT2007
Ryojun Ikeura, Mie University, Japan