

Preface

Over the last 20 years, the International Symposium on Measurement Technology and Intelligent Instruments (ISMTII) has established itself as a well renowned and prestigious event for international measurement experts. Under the guidance of the international committee of measurements and instrumentation (ICMI), The ISMTII has become a prestigious biyearly international symposium in measurements. Following the previous successful symposium in Wuhan (China); Hayama (Japan), Miskolc (Hungary), Cairo (Egypt), Hong Kong, Sendai (Japan), Huddersfield (UK), St. Petersburg (Russia), Daejeon (Korea), Aachen (Germany), the ISMTII 2015 was then held by National Taiwan University (NTU) in Taipei, Taiwan, for the first time in the history. With enthusiastic interests and contributions from 13 countries worldwide, the four-day symposium from the 22th to 25th September, ISMTII2015 has focused on technical exchanges of the current state-of-the art and future perspectives in measurements and intelligent instrumentation. With more than 400 participants from research institutes, universities and industrial sectors, the symposium was held to promote scientific and engineering breakthroughs in measurement sciences and technologies by providing a forum for exchange of innovative research ideas, latest research outcomes, state-of art technologies in modern measurement technologies, as well as intensive discussions on future emerging directions. Meanwhile, the exhibition and industrial forum were held to demonstrate the latest measurement technologies and instruments around the world. From more than 340 submissions, we have undergone an independent peer-review process with great contribution from the international and local experts to selected 234 papers to be presented in oral and poster sessions. They were contributed from 21 countries and regions around the world, including Germany, P.R. China, Japan, Taiwan (China), UK, Italy, Russia, Austria, France, USA, Republic of Korea, Egypt, Brazil, Hong Kong (China) and others. The Symposium offered the precious opportunity for experts and students to discuss the state-of-the-art in a diverse range of measurement fields. There are 6 excellent plenary keynote talks organized. The technical program was scheduled into 22 sessions and held in 5 parallel sessions. An industrial technical forum and exhibition were also held to demonstrate the latest emerging applications in measurement technologies and instruments around the world.

To make the conference submission widely shared by the researchers in the world, the excellent papers have been carefully selected from 340 submissions and gone through rigorous and independent peer-review process for the publication in this special issue. Every article was rigorously reviewed by at least two reviewers to ensure the paper quality. I would like to express my heartfelt appreciation to all of reviewers, students and many people behind the scenes for their tireless efforts and contributions to the special issue. My special thanks also go to the two co-guest editors, Associate professor Po-Ting Lin and Mr. Duc-Hieu Duong for their assistance on the special issue.

Professor Liang-Chia Chen

Distinguished Professor, National Taiwan University
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