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**Jiubin Tan
Xianfang Wen**
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Congratulations on the Convention of ISIST 2008

By ICMI Founding Chairman Li Zhu

It is my honor to warmly congratulate, on the behalf the International Committee on Measurements and Instrumentation (ICMI), the successful convention of the 5th International Symposium on Instrumentation Science and Technology (ISIST 2008) in Shenyang, China.

The International Committee on Measurements and Instrumentation (ICMI) was established during the Second International Symposium on Measurement Technology and Intelligent Instruments, ISMTII'93, in Wuhan, China. Since then ICMI has organized a series of ISMTII symposia around the world: Hayama, Japan (1996), Miskolc-Lillafured, Hungary (1998), Giza-Cairo, Egypt (2001), Hong Kong, China (2003), Huddersfeld, UK (2005), and Sendai, Japan (2007).

In addition to the ISMTII series, ICMI also sponsors two young international symposia series, namely the ISIST (International Symposium on Instrumentation Science and Technology) series organized by Harbin Institute of Technology since 2000, and ISPM (International Symposium on Precision Mechanical Measurement) organized by Heifei University of Technology since 2002. Measurement and instrumentation are closely related to each other in a multi-disciplinary field since instrumentation science can create versatile instruments for precision measurements.

ICMI was organized voluntarily by the scholars and specialists working in the field of measurement and instrumentation worldwide. All Council and Board Members are either holders of professorial positions or other personalities who have distinguished themselves in the field of measurement technology and actively participated in the activities organized by ICMI. According to the Constitution of ICMI, we are expecting more young people to be put on the Council by recommendation to further expand the activities of ICMI.

I would like to take this opportunity to explain what the logo of ICMI means, the design of which originates from the Chinese proverb: "A square inside a circle." It is generally accepted among the Chinese people that square and circle are fundamental geometrics, which represent "standard and measurement," and imply the code of conduct as well. The acronym of ICMI is inside the square. The sloping semicircle represents the long-term worldwide development in this field and other connotations. The blue color of the circle means peace. The white color of the square means purity and honesty. The black color of "ICMI" means precision while the red color of the sloping semicircle means prosperity.

Finally, I wish to express my heartfelt thanks to the members of ICMI, the members of the Honorary Committee, the members of the International Program Committee and National Organizing Committee, and the Secretaries-General of ISIST 2008, for all their efforts to make this possible. My special thanks go to Prof. Jiubin Tan for his outstanding contribution to the convention of this meeting. My heart-felt thanks also go to Harbin Institute of Technology for its firm support of this meeting.

We are now gathering here to promote academic exchanges and to advance international cooperation in the field of instrumentation science and technology. I am sure you will find this meeting interesting and informative.

Prof. Li Zhu

Founding Chairman of ICMI
Huazhong University of Science and Technology, Wuhan, China

Preface

The International Symposium on Instrumentation Science and Technology (ISIST) is an international symposium series held every other year in different cities of China from the year 2000 onward. Its sponsors include the International Committee on Measurements and Instrumentation (ICMI), National Natural Science Foundation of China (NSFC), Chinese Society for Measurement (CIM), and China Instrumentation Society (CIS). Its purpose is to promote international academic exchanges and to advance international cooperation in the field of instrumentation science and technology.

We held ISIST 2000 in Luoyang, Henan Province with some friends from the U.K. and Germany. A large number of attendees from the U.K., Germany, Russia, Italy, Japan, Republic of Korea, Singapore and many other countries presented themselves at ISIST 2002 when we held it in Jinan, Shandong Province. Many representatives from well-known universities and well-established research institutions inside and outside China attended ISIST 2004 held in Xi'an, Shanxi Province and ISIST 2006 held in Harbin, Heilongjiang Province. This conference remained attractive to the world community of instrumentation science and technology because it had become a platform for Chinese and foreign research workers to display and share their achievements in scientific researches. The statistics we gathered indicated these meetings promoted academic exchanges between Chinese and foreign research workers and advanced many international cooperation programs between Chinese and foreign well-known universities and well-established research institutions.

So, we made the first announcement and call for papers for ISIST 2008. We signed an agreement with SPIE for the publication of the proceedings of ISIST 2008. We had the great honor to invite Prof. Jose Sasian (University of Arizona), Prof. Duncan T. More (University of Rochester), Prof. Stephen Y. Chou (Princeton University), Prof. Tony Wilson (The University of Oxford), Dr. Ahmed Abou-Zeid (PTB), Prof. Seung-woo Kim (KAIST), and Prof. Zhang Shulian (Tsinghua University), to give invited presentations at the plenary session of ISIST 2008.

We screened and peer reviewed about 287 abstracts and selected 166 papers for publication in the SPIE proceedings of ISIST 2008.

184 people attended ISIST 2008 held in Shenyang, Liaoning Province, September 16-18, 2008. Seven well-accomplished scientists gave state-of-the art presentations in their fields, ranging from microscopy to optical design, through to gradient-index materials and optical precision metrology. A total of 90 papers

was orally presented at the specialist sessions covering a wide range of subjects related to instrumentation science and technology. All these presentations not only enabled the attendees to have a good understanding of the problems to be solved in the field of instrumentation science and technology, but also showed them the ways to find solutions to these problems. So, we think we have fulfilled our goal for ISIST 2008. While we are expressing our heart-felt thanks to all the participants for their efforts to make ISIST 2008 a good success, our special thanks go to SPIE for all the great help it kindly offered.

It was officially announced at the closing ceremony of ISIST 2008 that the enlarged meeting of the ISIST organizing committee had decided to hold ISIST 2010 in Hangzhou, Zhejiang Province. Communication enhances mutual understanding. Let us keep in touch with each other and meet again at the next ISIST.

Jiubin Tan

Chairman, ISIST 2008 Organizing Committee

A handwritten signature in black ink, appearing to read 'Tanjiubin', with a long horizontal stroke extending to the right.