

First Call for Papers

ISPMM'2004 **International Symposium** **on Precision Mechanical** **Measurements**

August 24-28, 2004

Beijing, China

Organized by



Hefei University of Technology (HFUT)



National Institute of Metrology (NIM)

Co-organized by



Tsinghua University



University of Science and Technology of China (USTC)



Anhui Association for Science and Technology (AAST)

Sponsored by



International Committee on Measurements and Instrumentation (ICMI)



National Natural Science Foundation of China (NSFC)



Chinese Society for Measurement (CSM)

Dear colleagues:

Joining the celebration events of the 50th anniversary of National Institute of Metrology (China) in the autumn of 2004, Hefei University of Technology, National Institute of Metrology and other units will organize the Second International Symposium on Precision Mechanical Measurements (ISPMM'2004). The first ISPMM was held in Hefei in 2002 and the main subject discussed was Precision Mechanical Measurements.

MAIN TOPICS

The theme of International Symposium on Precision Mechanical Measurements (ISPMM'2004) is 'New Century, New Technology and New Development'. The main purpose of this symposium is to promote the academic communication of the experts and the scholars all over the world in the field of precision measurements in mechanical engineering, and to exhibit to the participants the recent research focuses, the newest productions and the developing trend in this field.

The main topic areas, included (but no limited) in the program of the symposium, are the new techniques below:

- Length Measurement and Metrology (Gauge, line scale, screw thread, etc.)
- Angle Measurement and Metrology
- Coordinate Measurement
- Form and Position Measurement
- Topography Measurement
- Nanometer Measurement and Calibration
- Gear Measurement
- Displacement Measurement
- Vibration Measurement
- Strain and Stress Measurement
- Thermal, Velocity and Flux Measurement
- Theory and Simulation of Measurement

PAPERS AND PROCEEDINGS

All papers and abstracts should be written in English and a formal proceeding will include all the accepted papers.

SUBMISSION DEADLINES

Abstracts	March 30, 2004
Notification of acceptance	April 20, 2004
Manuscripts	May 30, 2004

OFFICIAL LANGUAGE

The official language is English. All the abstracts and papers will be in English.

SUBMISSION OF ABSTRACTS

Each author is requested to submit a one-page abstract of unpublished paper in A4 page format. The abstracts should include research aim, principles, methods, key techniques, results and conclusions in the indicated field (about 1000 English words).

Each abstract should include the title of the paper, names of the author and principle co-authors, address, phone/fax number or E-mail address. Submissions of abstracts and papers should be sent to the following address by mail or E-mail, If you have any problem, please visit our website:

Mail Address: Ms. Qiaoyun Liu
School of Instrumentation,
Hefei University of Technology,
Hefei, Anhui, China

Zip: 230009

Tel: (+86) 551-2901512(O), (+86) 551-2903746(H)

Fax: (+86) 551-2901508

E-mail: ISPMM2004@hfut.edu.cn

Website: www1.hfut.edu.cn/brief/ISPMM/

POST-SYMPOSIUM TOUR IN BEIJING

After the Symposium, one and a half day to Beijing City and the Great Wall is planned.

Beijing is the capital of the People's Republic of China. It is the center of politics, culture and international exchanges and a modern metropolis full of vitality.

Beijing is one of the places of human origin. It is here that Peking Man, man's forefathers, once lived 500,000 to 700,000 years ago. The history of Beijing as a city may be traced back to over 3,000 years ago. Particularly in the last 600 years from the heyday to the collapse of the feudal society, Beijing was the capital of the Yuan, Ming and Qing dynasties, and from here 34 emperors ruled China. A long history has left numerous famous historical sites, which possess great aesthetic and cultural values.

The Great Wall, a huge project begun more than 2,000 years ago, meanders through mountains and valleys for hundreds of kilometers in the region of Beijing. The Badaling section of the Great Wall snaking along the mountains northwest of Beijing was built at the beginning of the Ming Dynasty in the 14th century. Being 7.8 meters high and 5.8 meters wide at the top on the average, it has battle forts at important points, including the corners. Battle forts were built on the summits of hills.



The Great Wall

On the Shijing Mountain, there are more than 340 volumes of 15,000 stone tablets carved with Buddhist scriptures. The big Yongle Bell, cast at one go with over 230,000 characters on it, weighs 46.5 tons and shows the exquisite casting technology of ancient China.



The Forbidden City

The Forbidden City, the largest ancient architectural complex extant today, is splendid crystallization of ancient Chinese architectural art. Walking in the city, one may find many places worth a second visit. These include mansions, gardens, gate towers, temples, former residences of celebrities and places where many historical events took place. Every day, hundreds of thousands of people, domestic and foreign, come to Beijing to visit its grand palaces and graceful gardens and to enjoy its marvelous art.

NATIONAL INSTITUTE OF METROLOGY (NIM) and TSINGHUA UNIVERSITY Laboratory visit

NIM is affiliated with the State General Administration of Quality Supervision, Inspection and Quarantine. NIM is a state-level research center for metrology, responsible for research, establishing, maintaining and improving the state-level primary standards and

national standards which are used to reproduce the basic units (SI) of measurement, carrying out the dissemination of quantity values, verification, calibration and test so as to keep the traceability of quantity values in China, conducting intercomparisons to ensure their international comparability and traceability. NIM is also responsibility for drawing up the related technical rules and regulations, pattern evaluations both for homemade and imported measuring instruments, metrological arbitration for import/export as well as assessment of the standards of measurement. NIM owns about one thousand professional personnel engaged in metrological science and technology who carry out the basic research on general, fundamental and key measurement and also the application of various precision, dynamic, on-line and multi-parameter measuring technology.

NIM is very active in the international academic exchange and cooperation. Authorized by CSBTS, NIM signed the draft of the Mutual Recognition Agreement of National Measurement Standards and Calibration & Measurement Certificates Issued by National Metrology Institute in Feb.1998.



The Temple of Heaven