



# The 2nd International Conference on Structural Health Monitoring of Intelligent Infrastructure

(SHMII-2'2005)  
Nov.16-18(Wed-Fri), 2005  
Shenzhen, P. R. of China



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## BACKGROUND AND OBJECTIVES

Structural health monitoring is becoming an attracting and challenging area of intelligent infrastructure. It is a well symbol integrating hi-tech technologies such as smart sensors, wireless sensor networks, signal acquisition and processing, real-time data transferring and management. It is a concrete embodiment of modern testing technology so that a monitored infrastructure is in fact a long-term, full-scale and real-time testing system for the infrastructure. And more, it is a trend representing the integration, multi-disciplines cross and innovation of civil engineering such as development of "real-time monitored state" based damage identification and localization, model updating, safety evaluation and reliability forecast and also feedback on "state of the health" based damage control, maintenance and retrofit deci-

sion-making for realization of life-cycle performance-based design of infrastructures.

SHMII-2'2005 is the 2nd International Conference on Structural Health Monitoring of Intelligent Infrastructure after the 1st International Conference was held with very great success in Tokyo, Japan (November 13-15, 2003). SHMII-2'2005, SHMII-3'2007, ... , are determined as the series of official academic conferences of International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII) by the ISHMII Council Meeting on March 18, 2004, San Diego, CA., USA when and where ISHMII was founded.

SHMII-2'2005 is planned to provide the international scientists, engineers, enterprisers and young researchers with a forum to exchange the recent advances, explore the potential of possible international cooperation, promote the multi-disciplines cross and share the bright ideas on the state-of-the-art, state-of-the-practice and future trends of smart sensors, advanced sensor networks and integrated systems for structural health monitoring of intelligent infrastructures, and "real-time monitored state" based damage identification and localization, model updating, safety evaluation and reliability forecast and also damage control, maintenance and retrofit decision-making and life-cycle performance-based design of infrastructures.

### SCOPE OF THE CONFERENCE

The conference will focus on aspects such as:

- Smart and other advanced sensors
- Wireless and other advanced sensor networks
- Data acquisition, processing and management
- Damage identification and localization
- Model updating, safety evaluation and reliability forecast
- Damage control, repair and strengthening
- Life-cycle performance-based design
- Smart materials and structures
- Global position system (GPS) and related systems for wind and earthquake hazard mitigation of civil infrastructure
- Remote monitoring systems
- Integrated systems and implementations of SHM
- Design guidelines and codes of SHM
- Standardization of SHM systems
- Critical issues for SHM

### IMPORTANT DATES

Abstract Submission (100-300 words)

**February 28, 2005**

Abstract Acceptance

**March 15, 2005**

Submission of Camera-ready Manuscripts

**May 15, 2005**

Paper Acceptance

**June 15, 2005**

Submission of Final Camera-ready Manuscripts

**July 15, 2005**

Pre-registration

**October 31, 2005**

**All abstracts and full papers should be submitted to:  
shmii-2@hit.edu.cn**

**Electronic submission is strongly recommended.**

### PROCEEDINGS AND PUBLICATIONS

- Proceedings of the 2nd International Conference on Structural Health Monitoring of Intelligent Infrastructure will be published by a world famous publishing company before the conference.
- Selected papers from the proceedings will be published in a special issue of
  - 1) Structure and Infrastructure Engineering-Maintenance, Management, Life-cycle Design & Performance, An International Journal
  - 2) Computer-Aided Civil and Infrastructure Engineering, An International Journal
  - 3) Journal of Smart Materials & Structures (Institute of Physics, UK publications)

### EXHIBITION

The exhibition will be located in the room close to the conference halls and a table-top for academics as well as exhibition stands for industrial companies will be provided. Application forms, technical details and information on costs will be provided on the website: [www.hit.edu.cn/shmii-2](http://www.hit.edu.cn/shmii-2)

### REGISTRATION FEE

- The registration fee includes the proceedings, coffee breaks, reception and banquet.
- \$ 500 (US dollar) for a participant and \$ 200 (US dollar) for an accompany before October 31, 2005
  - \$ 550 (US dollar) for a participant and \$ 200 (US dollar) for an accompany on site
  - \$ 300 (US dollar) for a student with an effective certification

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### ABOUT SHENZHEN, P. R. OF CHINA

Shenzhen is located in the coast of south sea along Guangdong Province P. R. of China. Shenzhen covers an area of 2,020 square kilometers and owns the population of 4.05 million people. The climate here belongs to sub-tropical maritime, with the average temperature 22°C. Shenzhen, under the guidelines of Mr. Deng Xiaoping, became the first Special Economic Zone in China. After 25 years development, Shenzhen has established itself as one of main economic centers in China and has laid the foundation to support a new phase of further growth. For the time being, there gave built more than 50 scenery attractions with different styles, 150 star-ranked hotels, 60 travel agencies, and 1,000 large commercial retail networks. In Nov. 2000, Shenzhen was elected as "International Garden City" in Washington, USA. When you walk around this garden city, you will find her so much impressive for her modern styles, appeal and panorama of views.

Shenzhen city is closed to Hong Kong, China. It is very convenient to reach there from all over the world by taking one and half hours from Hong Kong Airport or Guangzhou airport or taking less than one hour directly from Shenzhen airport, China. The season in November is the best season in Shenzhen. We believe that the participants attending SHMII-2, 2005 in Shenzhen, China will enjoy their staying there.

## SHMII-2'2005 The 2nd International Conference on Structural Health Monitoring of Intelligent Infrastructure

### REGISTRATION FORM

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Country: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

- I intend to participate. Please keep me informed.  
 I intend to give a presentation. An abstract will follow.  
 An abstract is attached.