

INTERNATIONAL CONFERENCE ON STRUCTURAL HEALTH MONITORING OF INTELLIGENT INFRASTRUCTURE

Cancún México 2011

SECOND ANNOUNCEMENT

INTRODUCTION

One key aspect for the development of a country, and moreover, for the wellbeing of its society, is the quality and size of its infrastructure. In this regard, many countries are doing their best efforts to build new infrastructure, adequate in size but technologically advanced and efficient. Also, several countries devote significant resources and efforts to maintain and rehabilitate out-of-date or damaged infrastructure. All these efforts are conducted under the leadership of engineers and scientists who are continuously looking for more robust methodologies and processes, and for advanced technologies to secure the safety of the public, as well as to reduce costs and impact on the environment. In many cases, such efforts are particularly significant because of the countries location and exposition to different kinds of natural phenomena capable of producing disasters, as well as to the expansion and diversification of cities and economic sectors.

The 5th International Conference on Structural Health Monitoring of Intelligent Infrastructure, SHMII-5 2011, will provide a unique opportunity for scientists, practitioners, and enterprises from around the world to share and discuss the latest knowledge and techniques for structural health monitoring of intel-

ligent infrastructure. It will be the aim of the conference to bring together, and enhance dialogue among, worldwide professionals from the broad range of disciplines, such as smart sensors, wireless sensor networks, signal acquisition and processing, and real-time data transferring and management. Emphasis will be given to bring the interested community from Latin America and to foster international cooperation.

OFFICIAL LANGUAGE

The official language of the conference will be English. Simultaneous translation from Spanish to English and vice versa will be provided at the Opening and Closing Ceremonies.

TOPICS

The technical sessions of the Conference will cover the following topics:

- 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 positioning 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

SCIENTIFIC PROGRAM

The Conference will include a Main Technical Program and a Complementary Technical Program.

I. Main Technical Program.

It will comprise:

- Keynote Lectures, addressed by world authorities in SHMII especially invited by the Organizing Committee
- State-of-the-Art Reports, prepared by well-known specialists in each specific field
- Oral Presentation of Selected Papers, consisting of conventional presentation and discussion of papers
- Poster on Sessions, in which the authors will display the material in boards and the audience, may communicate directly with them.

II. Complementary Technical Program.

In this program, the activities planned are:

- Seminars on SHMII Practice and Special Theme Sessions, in which the discussion of specific subjects will be held. These events will be co-organized by interested individuals or groups with cooperation of the Organizing Committee.
- Technical and commercial exhibits, which will place simultaneously with scientific sessions. Companies and organizations interested in exhibiting products and services will be encouraged to participate.

ISHMII-5 AWARDS

Aimed at recognizing the quality of papers, all papers accepted for publication will be considered in the ISHMII-5 Awards competition in one of the following categories:

- Student and young researcher award (authors less than 30 years old)
- Innovation award
- Depending upon the quality of competing papers, outstanding paper awards may be granted.

VENUE

SHMII-5 will be held at the Ritz-Carlton Cancún hotel, an exclusive resort in the heart of the Cancún Hotel Zone and among the most luxurious hotels in the area. This first-class hotel is just 15 minutes from Cancún's International Airport and 5 minutes from the city's most popular areas for shopping, dining and nightlife.

DEADLINE DATES

- Submission of Abstracts: February 28, 2011
- Notification of Abstract Acceptance: April 16, 2011
- Submission of Full Paper: June 15, 2011
- Notification of Paper Acceptance: July 15, 2011
- Submission of Final Manuscripts: August 15, 2011

REGISTRATION FEE

The registration fee includes one copy of the proceedings, welcoming reception, lunches and banquet. Fees in US dollars include all taxes.

	Before July 15, 2011	After July 15, 2011
Non-member of ISHMII (Includes a one-year ISHMII membership*)	\$900	\$1015
Full ISHMII member	\$800	\$900
Students with a valid student ID	\$380	\$570
Accompanying Person	To be communicated by August 2011	

Conference fees could be paid by Money Order, as well as by VISA, MasterCard and Bank Transfer. An additional processing fee might be required for bank transfers.

ORGANIZING COMMITTEE

CHAIR:

Sergio M. Alcocer, Institute of Engineering, National Autonomous University of Mexico (UNAM), México

CO-CHAIRS:

Francisco Carrión, Mexican Transport Institute (IMT), México

Roberto Gómez-Martínez, Institute of Engineering, National Autonomous University of Mexico (UNAM), México

HEAD OF INTERNATIONAL STEERING COMMITTEE

Alexis Méndez, MCH Engineering LLC, USA

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