

**11th World Conference on Seismic Isolation, Energy
Dissipation and Active Vibration Control of Structures**

**November 17-21, 2009
Guangzhou, China**

First Announcement

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Under the Auspices of

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4. Background

Seismic isolation and energy dissipation of structures are fully mature technologies of providing mitigation of seismic damage for civil structures and equipment, and have proven to be reliable and cost-effective for many structures such as bridges/viaducts, civil buildings, cultural heritage

and critical facilities. Active vibration control of structures is also a mature technology applied for improving habitability in wind-induced vibration for tall/slender buildings, and other uses. It is worthwhile stressing that the innovative anti-seismic techniques are of great interest not only for countries with high seismic hazard, but also for areas characterized by low or moderate seismicity. International cooperation and detailed exchange of information and experience in both civil (including cultural heritage) and the industrial fields are extremely important for the correct development and application of all the above-mentioned innovative techniques. To this aim, at San Francisco in 1989, experts from Italy, Japan and the US started organizing an International Seminar on the innovative anti-seismic techniques. This first Seminar mainly dealt with base isolation of nuclear reactors. Since then, this Seminar has been held every two years, in Nara (Japan) in 1991, Capri (Italy) in 1993, Santiago (Chile) in 1995, Taormina (Italy) in 1997, Cheju (Korea) in 1999, Assisi (Italy) in 2001, Yerevan (Armenia) in 2003, Kobe (Japan) in 2005, and Istanbul (Turkey) in 2007. The Seminar's objectives were gradually extended from nuclear reactors to other types of structures and from base seismic isolation to other vibration control techniques. Until the Seminar in Cheju, all Seminars were organized in conjunction with the International Conference on Structural Mechanics in Reactor Technology (SMiRT), in the framework of its post-conference events. But for the first time, the 7th Seminar in Assisi was organized as an independent event. As an important step forward, the establishment of the *Anti-Seismic Systems International Society (ASSISi)* at the Seminar in Assisi should be especially emphasized. ASSISi played a role as the main co-organizer of the 8th, 9th and 10th World Conference, and is doing the same for the 11th World Conference.

The 11th World Conference is to be held in Guangzhou, China in 2009. China is one of the most suitable countries for the conference, because China is the country where the seismic isolation, energy dissipation and semi-active vibration control technologies are widely used for civil buildings, bridges and equipment. In China, there are many examples of applications of the innovative techniques for control of seismic and non-seismic vibrations of structures.

5. Scope

The 11th World Conference will again provide an opportunity for the exchange of updated, detailed information concerning the development and applications of innovative and state-of-the-art anti-seismic techniques. Similar to the previous events, topics covered by the Guangzhou Conference are base and floor isolation and passive energy dissipation, as well as development and applications of active, semi-active and hybrid control of seismic and non-seismic vibrations and some critical issues concerning the application of innovative anti-seismic techniques in low or moderate seismic areas. In addition, topics on seismic inputs and codes for seismic isolation will be covered.

6. General Program

The Conference will consist of Oral Sessions, Poster Sessions, and Technical Exhibition on the first 3 days, November 18, 19 and 20, 2009, together with Technical Tours on the final day, November 21, 2009. The conference's official language is English.

The Oral Sessions will consist of invited lectures presented or co-authored by experts who will be invited by the International Coordination Committee from the countries or regions that are the most involved in the development and applications of the new techniques, namely Armenia, Chile, EU, Greece, Hong Kong, India, Iran, Italy, Japan, Korea, Mexico, P. R. China, Russia, Singapore, Spain, Taiwan, Turkey, UK, USA, and so on. Presented in such lectures are state-of-the-art applications and designs in both civil and industrial fields, overviews on the ongoing R&D projects and future programs, and observations of behaviors of structures provided with the

innovative systems in actual earthquakes, as well as the progress in the development of codes and standards, design rules, seismic inputs for structures, and cost evaluation. New development of active, semi-active and hybrid control techniques for seismic and non-seismic vibrations and new applications of such techniques, as well as key issues in the application of innovative anti-seismic techniques in low and moderate seismic regions are also addressed.

The Poster Sessions will be organized in parallel with the Oral Sessions. Accepted papers shall be posted in the Poster Sessions. The Technical Exhibition will also be held in parallel with the Oral Sessions. The final day will be devoted to Technical Tours.

7. Abstracts

Those who want to contribute papers for the Poster Sessions are requested to submit abstracts of the papers. The abstracts should reflect both high-quality technical work and direct relevance to Conference topics. It is also very important that the abstracts conform strictly to the format outlined below.

For the invited lectures, the abstracts with the same format are also required, although various styles of the texts are acceptable.

Abstract Format

The abstracts must not exceed a single side of A4 paper with the following margins: left (2.8cm), right (2.5cm), top (2.5cm), bottom (2.2cm). The abstracts should be written fully justified, single-spaced and in 11-point Times New Roman font, except for the title (bold, 12-point capitals) and the author affiliation (10-point, italic).

8. Important Dates

April 30, 2009	Deadline for submission of abstract
May 15, 2009	Notification of acceptance of abstract
September 15, 2009	Deadline for early registration and submission of manuscript
October 15, 2009	Deadline for reservation requests for exhibition booths

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