

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

Second Announcement

**November 17-20, 2009
Guangzhou, China**

1. Auspices, Sponsored

Under the Auspices of

Anti-Seismic Systems International Society (ASSISi)

Hosted by

Guangzhou University, P. R. CHINA

Main Sponsored by

Chinese Academy of Engineering (CAE)
National Natural Science Foundation of China (NNSFC)
Civil Engineering Association of China (CEAC)

Co-sponsored by

- American University of Armenia – Armenia
- University of Chile – Chile
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- Gruppo di Lavoro Isolamento Sismico (GLIS) of the Italian National Association for Earthquake Engineering – Italy
- Institute of Industrial Science, The University of Tokyo – Japan
- Tokyo Institute of Technology – Japan
- Seoul National University – Korea
- National University of Mexico – Mexico
- Guangzhou University – P. R. China
- Research Center of Earthquake Engineering (EERC) & Central Research Institute of Structures (TsNIISK) – Russia
- University of California at San Diego – USA

2. Chairman, Co-chairmen, International Coordination and Science Committee

Chairman and Co-chairmen

F. L. Zhou (Guangzhou University, P. R. China) – Chairman
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International Coordination Committee

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A. Martelli (Italy)
M. Melkumyan (Armenia)
M. O. Moroni (Chile)
S. E. Ruiz Gomez (Mexico)
F. L. Zhou (P. R. China)

3. Invitation

Invitation of the Chairman

Dear Friends:

On behalf of Prof. J.S.Yu, President of Guangzhou University, Chairman of the Local Organizing Committee of 11WISC, I am very delighted to have this opportunity to express our cordial invitation to you to attend the 11th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures to be held in Guangzhou, China, November 17-20, 2009.



The 11th World Conference will 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. Topics covered by this Conference are seismic 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 seismic areas. In addition, topics on seismic inputs and codes for seismic control will be covered.

China is a country where the seismic isolation, energy dissipation and semi-active vibration control technologies are widely used for civil buildings and other structures. In China, there are many examples of applications of the innovative techniques for control of seismic and non-seismic vibrations of structures. Guangzhou is a famous historical city in South China, and retains its ancient customs. It is also a large city full of vigor and current fashions. The technical tour and post-conference field trip are designed to allow the participants to better understand the development of the innovative techniques in China, and to enjoy the oriental scenery and the harmonious coexistence of ancient civilization and modern culture.

We will do our utmost to make this Conference as one of the best and most successful to date, and we believe that all delegates will find their participation both professionally rewarding and personally enjoyable.

I look forward to seeing you in Guangzhou in 2009!

Fu. Lin ZHOU

Vice President of ASSISi

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

Invitation of the Co-chairman

Dear Colleagues,

I am delighted to have this opportunity as President of ASSISi to join Prof. Zhou, Dr Martelli and the Local Organising Committee in extending a cordial invitation to you to attend the 11th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures (11WCSI) in Guangzhou.

Since the last ASSISi conference in Istanbul in 2007, there has been the major earthquake in Sichuan Province, China and the recent earthquake in L'Aquila, Italy. These human tragedies again emphasise to us the vital importance of working to improve the seismic safety of structures, particularly public buildings.



The 11WCSI will be an excellent opportunity to share knowledge and exchange ideas on the latest developments in seismic isolation technologies and anti-seismic devices. As in previous ASSISi conferences there will be single sessions of oral presentations to facilitate discussion and interaction between delegates.

I hope you will be able to attend the meeting and make your contribution to our proceedings. It will be a pleasure to welcome you to Guangzhou in November.

Keith Fuller

President ASSISi

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

Invitation of the Co-chairman

Dear Colleagues,

It is my great pleasure to welcome you at this conference, which takes place exactly 20 years after our first seminar in San Francisco, USA. That seminar was a satellite event of the 1989 Structural Mechanics in Reactor Technology (SMiRT) Conference of Los Angeles. It was jointly organized by experts representing only the USA (Dr. Chang of Argonne National Laboratory), Japan (Dr. Kuroda of Shimizu Corporation) and Italy (myself) and focused on seismic isolation of nuclear plants. We were only three organizers at that time, but Prof. Fu Lin Zhou, chairman of this conference and others among you were there at that first meeting. Afterwards, our events were held biennially, in different countries: Japan (Nara, 1991, and Kobe, 2005), Italy (Capri, 1993, Taormina, 1997, and Assisi, 2001), Chile (Santiago, 1995), Korea (Cheju, 1999), Armenia (Yerevan, 2003) and Turkey (Istanbul, 2007). In the meantime, the number of co-organizers increased more and more and the topics covered gradually extended from nuclear plants to all kinds of structures and from seismic isolation to the other anti-seismic technologies. Over 30 countries became involved, reflecting the increasing worldwide interest in anti-seismic systems. Thus, in 1999, we decided



to become independent of the SMiRT conferences. The Assisi Seminar in 2001 was the first that we organized alone. Its success, despite the Twin Towers attack occurring shortly before it, led a group of delegates to found our association. We selected its name to form the acronym ASSISi, the town of the 2001 seminar, because it is a symbol of international collaboration.

Now we have won the first battles: to have a significant application of anti-seismic systems in several countries, and to convince decision makers and others of their great benefits in saving human life and protecting the economy. The excellent behaviour of buildings and bridges protected by such systems during several recent earthquakes has greatly helped. In all countries there is now an increasing demand for anti-seismic systems. This is occurring, for instance, in China, after the 2008 Wenchuan earthquake, and in Italy, after the recent Abruzzo event. However, to win the war against earthquakes, we shall now also have to ensure the correct selection and application of the anti-seismic systems. In fact, should even a single structure provided with one of these systems be damaged during an earthquake due to their inadequacy or incorrect installation, the entire technology would be very negatively affected worldwide.

Alessandro Martelli

Founding President, ASSISi

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

4. Location of the Conference

The Conference will take place at the Baiyun International Convention & Exhibition Center in Guangzhou (URL: <http://www.gzbicc.com>). Information about the hotel and Guangzhou is available on their homepages and the Conference homepage (<http://www.11wcsi.com>).

5. 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 afternoon of final day, November 20, 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, Canada, Chile, Greece, Hong Kong, India, Iran, Italy, Japan, Korea, Mexico, New Zealand, P. R. China, Russia, Singapore, Spain, Taiwan, Turkey, UK, USA, and so on. Some contributed papers will also be chosen as oral lectures. 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. Each paper must be displayed by only 1 poster of size A0, having the longer side in the vertical direction, namely width = 841 mm and height = 1189 mm.

The Technical Exhibition will also be held in parallel with the Oral Sessions. The organizers are planning the Technical Exhibition with 20 booths, each of which will have a size of at least 3.0 m x 3.0 m x 2.5 m (depth x width x height).

The afternoon of final day will be devoted to Technical Tours to a three-dimensional shake table for large-scale tests of civil structures, and to examples of applications of the innovative techniques for the control of seismic and non-seismic vibrations.

Attention:

The schedule of the Conference is compressed into three days. The Technical Tours which were to be held on November 21, 2009 now will be held in the afternoon of November 20, 2009.

6. Full Manuscripts

The full manuscripts of all invited lectures and contributed papers must be submitted by the Conference homepage ([http:// www.11wcsi.com](http://www.11wcsi.com)) or E-mail (postmaster@11wcsi.com) as pdf files or doc files before October 15, 2009. Authors will be asked to provide their full manuscripts to the Conference sufficiently in advance to allow the organizers to photocopy them on time for distribution to the participants; those who will not provide their manuscripts on time shall send or carry the number of copies requested by the organizers.

All invited lectures presented in the Oral Sessions and contributed papers in the Poster Sessions will be published in the Conference Proceedings.

7. Technical Exhibition

Participants who are manufacturers of seismic isolation devices, energy absorbing devices, active/hybrid/passive mass dampers, active/passive (non-seismic) vibration isolation devices, vibration testing equipment and vibration measuring equipment, are to participate in the Exhibition. The organizers expect many companies from various countries in addition to China will participate in the Exhibition.

The cost for the participation is €2000 per booth which will have a size of at least 3 m x 3 m x 2.5 m (height). Those who are interested in the exhibition are advised to directly register online by the Conference homepage ([http:// www.11wcsi.com](http://www.11wcsi.com)). Acceptance of reservation requests for exhibition booths is ensured in three days, on a first-come, first-served basis. For more detail information about it, please browse through the conference web page: [http:// www.11wcsi.com](http://www.11wcsi.com)

8. Preliminary Program of the Conference (Oral Sessions)

November 17, 2009 (Tuesday)

9:00 - 17:00 Registration

November 18, 2009 (Wednesday)

8:30 - 17:00 Registration

9:00 - 9:40 **OPENING**

- 9:40 - 10:40 **SESSION 1: STATE OF THE ART ON APPLICATION, R&D AND DESIGN RULES FOR SEISMIC ISOLATION, ENERGY DISSIPATION AND VIBRATION CONTROL FOR CIVIL STRUCTURES (I)**
- 10:40- 11:20 **POSTER SESSION (I) AND TECHNICAL EXHIBITION/**
Coffee Break
- 11:20 - 12:20 **SESSION 2: STATE OF THE ART ON APPLICATION, R&D AND DESIGN RULES FOR SEISMIC ISOLATION, ENERGY DISSIPATION AND VIBRATION CONTROL FOR CIVIL STRUCTURES (II)**
- 12:25 - 13:35 Lunch
- 13:40 - 15:00 **SESSION 3: STATE OF THE ART ON APPLICATION, R&D AND DESIGN RULES FOR SEISMIC ISOLATION, ENERGY DISSIPATION AND VIBRATION CONTROL FOR CIVIL STRUCTURES (III)**
- 15:00 - 15:40 **POSTER SESSION (I) AND TECHNICAL EXHIBITION/**
Coffee Break
- 15:40 - 16:20 **SESSION 4: TESTING OF DEVICES**
- 16:30 - 17:30 **ASSISi GENERAL MEETING**
- 18:00 - 20:00 Welcome Cocktail Reception

November 19, 2009 (Thursday)

- 8:30 - 17:00 Registration
- 8:30 - 10:00 **SESSION 5: SEISMIC ISOLATION: (I) THEORY AND APPLICATION**
- 10:00- 10:40 **POSTER SESSION (II) AND TECHNICAL EXHIBITION/**
Coffee Break
- 10:40 - 12:20 **SESSION 6: SEISMIC ISOLATION: (II) DEVICE DESIGN, INNOVATION AND EVALUATION**
- 12:25 - 13:35 Lunch
- 13:40 - 15:20 **SESSION 7: PASSIVE and SEMI-ACTIVE ENERGY DISSIPATION DEVICES: DESIGN, TESTING AND PERFORMANCE**
- 15:20 - 16:00 **POSTER SESSION (II) AND TECHNICAL EXHIBITION /**
Coffee Break
- 16:00 - 17:30 **SESSION 8: RETROFITTING OF STRUCTURES AND STRUCTURAL MONITORING**
- 18:00 - 20:30 Banquet

November 20, 2009 (Friday)

- 8:30 - 10:30 **SESSION 9: PROTECTION OF INDUSTRIAL FACILITIES AND BRIDGES**
- 10:30- 11:10 **POSTER SESSION (III) AND TECHNICAL EXHIBITION/**
Coffee Break
- 11:10 - 12:10 **SESSION 10: CLOSING PANEL ON FUTURE DIRECTIONS**
- 12:25 - 13:35 Lunch
- 14:00 - 18:00 Technical tour to a base-isolated building, and the Guangzhou TV Tower equipped with a hybrid mass damper
- 18:30 - 20:00 Dinner

9. Registration

CONFERENCE FEES

	Before Oct. 15, 2009	After Oct. 15, 2009
Full Registration	€300	€350
Members of ASSISi	€240	€290
Full-time Students Registration	€150	€175
Accompanying Persons	€150	€175

Due to the Chinese government funded the Conference, the preferential Conference fees for Chinese participants are listed as follow:

CONFERENCE FEES (CHINESE PARTICIPANTS)

	Before Oct. 15, 2009	After Oct. 15, 2009
Full Registration	¥ 2000	¥ 2600
Members of ASSISi	¥ 1700	¥ 2300
Full-time Students Registration	¥ 1000	¥ 1300
Accompanying Persons	¥ 1000	¥ 1300

For All Kinds of Registration Fees Cover:

- the proceedings (on printed volumes and CD);
- the extended abstract volume;
- the technical tours on November 20, 2009;
- the welcome reception on November 18, banquet on November 19 and dinner on November 20, 2009;
- 3 lunches on November 18, 19, and 20, 2009;
- 5 coffee breaks on November 18, 19 and 20;

The registration fee is due by all participants (including the invited lecturers, authors of invited and contributed papers for the Poster Sessions).

The payment of the registration fee, the charge for extra sets of the proceedings, and the charge for extra tickets for the banquet, together with the optional tour charges, should be made in advance in Europe and dollar only by bank transfer to the following bank account,

Bank Details: Industrial and Commercial Bank of China, Daxuechengzhonghuan Branch

Swift code: ICBKCNBJGDG

Account Number: 3602114819100000192

Address: 230 Zhonghuan Road, Guangzhou Higher Education Mega Center, Guangzhou, China

or credit cards including

VISA, MasterCard, JCB, and American Express.

Please note that the registration fee and the charges for extra sets of the proceedings, extra tickets for the banquet, the optional tours and the hotel deposit paid in advance are not refundable, and that bank transfer charge is on participant's cost. The participants are requested to fill the information form which is on the Conference homepage (<http://www.11wcsi.com>), and to submitted it as indicated in the form.

The payment on site must be made by cash in Euro and dollar or Renminbi. Personal checks and other checks are not acceptable in any case.

10. Hotel Reservations

The organizer offers single rooms and twin rooms available at discount rates in Baiyun International Convention & Exhibition Center during the Conference. The room charges are as follows:

RMB550 Yuan per night for a single room;

RMB600 Yuan per night for a twin room.

The room charges include a breakfast charge, a service charge and a consumption tax. Because the number of rooms available at the discount rates is limited, hotel reservations are accepted on a first-come, first-served basis. Therefore early reservation is strongly recommended. For the hotel reservation, the participants are requested to enter the necessary items on the Conference homepage ([http:// www.11wcsi.com](http://www.11wcsi.com)) and to pay the hotel charges together with the registration fee and so on.

Please note that the hotel deposit paid in advance is not refundable.

Room type	Price (RMB/Night)
Single Room	550 (breakfast included)
Twin Room	600 (breakfast included)

11. Social Events

As social events for accompanying persons, optional sightseeing tours with English speaking guides are organized as follows.

One day tour in Guangzhou (L)

Full day tour in Guangzhou.

Morning visit to Yuexiu Park ,Five Rams Statue (The Sculpture of the Five Rams built in 1959 is the symbol of Guangzhou) , Zhenhai Tower, Dr.Sun Yat-sen Memorial Hall (a reputable Chinese architect, was sponsored and built by the local people of Guangzhou and overseas Chinese to commemorate Dr.Sun Yat-sen, the great forerunner of Chinese revolution.) ,Six Banyan Temple (A famous ancient Buddhist temple, built in 1460 years ago. With such attractive landscapes as a 1000-year-pagoda, green ancient banyan trees.) .



Lunch.

Afternoon visit to Chen clan Temple (established in Qing Dynasty, with the donations of members from the Chen family who lived in 72 different counties in the Guangdong province. It is also known as Guangdong Folk Art Museum, was used to be the study house of Chen family in 1890s, also the best decorated ancient architecture in Guangdong province.) , Ersha Island,

Beijing Road Commercial Walking Street.

Back to the hotel.

One day tour to Baomo Garden & Lotus Hill in Panyu (L)

Morning visit to Baomo Garden (It locates in ZINI village, Shawan Town, Panyu District, was built at the end of the Qing Dynasty with an area of 2000 squaremeters, but destroyed in the 1950s. It was rebuilt in 1995 and the project lasted eight years.) in Panyu (1.5 hours drive from Guangzhou).



Lunch.

Afternoon visit to the Lotus Hill (Located in the eastern of Panyu district, Lotus Hill which has good fame of Lotus wonderful Scenery is make up of 40 hummocks, with 105m altitude.).

Back to hotel.

One day tour to Foshan & Zhaoqing (L)

Departure at 8:40 am.

Transfer to Foshan by private bus. Visit to Foshan Ancestral Temple (It was built as a holy shrine of Beidi, the Taoism God in the North Song Dynasty and now titled as a State Key Protected Relic Unit in China.) and Kung Fu performances, Folk Arts Research Institute. (It was set up in 1956. It inherited and developed Foshan traditional highly skilled folk arts. It is well known Both at home and abroad.)



Transfer to Zhaoqing

Lunch.

Afternoon visit to the Seven Star Crag in Zhaoqing.

Back to hotel.

Two days trip to Guilin

The 1st day: Transfer to Guilin by morning flight. Visit to the Reed Flute Cave & Elephant Trunk Hill & Fubo Hill. Overnight in Guilin (4 stars)

The 2nd day: Li River cruise & West Street. Transfer to airport for evening flight for Guangzhou. Guilin is famed for the beautiful scenery that surrounds it and makes it one of China's foremost tourist attractions. Situated on the west bank of the Li River in Guangxi Autonomous Region in the south of the country, Guilin's dreamlike landscapes, which are created by its verdant limestone pinnacles, rich vegetation and peaceful water views, have been an inspiration to poets and painters for centuries. According to a common Chinese saying, the city's mountains and rivers are the "finest under heaven." A scene of Guilin's mountains reflected in the waters of the Li River appears on China's 20 yuan banknote. The city's name means "forest of sweet osmanthus", after the profusion of sweet osmanthus trees that fill the city with fragrance throughout the summer.....



Three days trip to Sanya

The 1st day: Guangzhou to Sanya Big (Small) east sea.

The 2nd day: Deer-returning -head hilltop park, Tian Ya Hai Jiao (end of the earth), Nan Shan cultural tourist site.

The 3rd day: Yalong-Bay, Wuzhizhou Island, San Ya to Guang Zhou

In order to join in the optional tours, the participants are requested to order it online on the Conference homepage ([http:// www.11wcsi.com](http://www.11wcsi.com)) and to pay the tour charges together with the



registration fee and so on. Please note that the tour charges paid in advance are not refundable. On-site application for the tours would be possible only in the case of availability.

12. Important Dates

October 15, 2009

Deadline for early registration and receipt of manuscript

October 20, 2009

Deadline for reservation requests for exhibition booths

November 17, 2009

Registration

November 18-20, 2009

Conference in Guangzhou

13. Contact

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