



INTERNATIONAL COUNCIL FOR RESEARCH AND INNOVATION IN BUILDING AND CONSTRUCTION

INFORMATION

Nr. 1/02

Around the Task Groups and Working Commissions

TG44 – Performance Evaluation of Buildings with Response

Control Devices

The report on the First Task Group Meeting and the latest development

First Task Group Meeting

Major materials presented in the meeting were as follows:

1. The outline of newly revised Japanese code – Code on seismic isolation
2. Examples of seismically isolated buildings designed on new code in Japan
3. Examples of building with supplemental control devices in Japan
4. The U.S. code verification in the difference of damping factor for long natural period structure

Topics

The topics of the presentation covered latest codes of United States and Japan. Based on the presentations, discussion was held over the merits and shortcomings of the codes in both countries especially designing the buildings with control devices, which include seismic isolation. The meeting concluded that it is best to convene an international symposium to discuss comprehensively over the state-of-the-art and the future of the performance-based design and design of buildings with control devices. The proposed topics of the symposium are as follows:

- Structural control including seismic isolation
- Performance-based design
- Performance evaluation and indication
- Provision in each countries
- Design and construction practice of structures with control devices
- Structural control devices

The planned date of the symposium is two to three days in November 2003.



People at first task group meeting

Developments after the First Task Group Meeting

Prof. Kuo-Chun Chang at National Center of Research on Earthquake Engineering, NCREE, in Taipei, Taiwan has been introduced to TG44. He mentions that interests over technologies related to structural control as well as performance-based design are rapidly increasing among engineers in Taiwan after the Chi-Chi earthquake in 1999. The members of TG44 are now jointly considering the activities of TG44 with Prof. Chang. To construct the framework of the international

symposium planned in 2003, a workshop is considered to be necessary among major members of TG44 and engineers interested in the above-mentioned subjects before the symposium. This workshop, which will be jointly coordinated by TG44 and Prof. Chang, is planned to be held on May 20 and 21, 2002 at NCREC in Taipei, Taiwan. The workshop is also considered to be the second meeting of TG44. The participants of this workshop will be engineers from worldwide, but we are trying to summon more participants from Taiwan, Korea, United States, and Japan. Currently, we are in the process of issuing the announcement document of the workshop and invitation document to TG44/CIB as the member of task group. These documents will be finalized soon, and will be sent out via E-mail to potential participants worldwide by the end of January.

Future Meetings

1. Workshop on Performance-Based Design of Controlled Structure: to be held on May 20, 21 2002, at NCREC in Taipei Taiwan.
2. International Symposium on Performance-Based Design of Controlled Structures: planned in November 2003 in Tokyo, Japan.

Newly designated secretary of TG44

The secretary of this Task Group has been shifted from Dr. Jianhua Gu to Mr. Masahiko Higashino by December 2001. Mr. Higashino is the member of CIB through Japan Society of Seismic Isolation. His E-mail address is: higashino.masahiko@takenaka.co.jp