

JSSI 10th Anniversary International Symposium

As the final event of the 10th anniversary project, the symposium was held on November 17-19, 2004 at the Suzukakedai Campus of Tokyo Institute of Technology, co-hosted by CIB/TG44, the Building Research Institute and JSSI, with the support of TIT and the cooperation of 43 organizations from Japan and overseas, including the Ministry of Land, Infrastructure, Transport and Tourism and the Ministry of Economy, Trade and Industry.

Although it was postponed for a year due to the effects of SARS, the symposium was concluded with the tremendous support of all concerned, the event was a success, with more than 160 participants from 15 countries.

At the opening, on behalf of JSSI, the Chair of the 10th Anniversary Project Committee and the Joint Coordinator of CIB/TG44, Chair of the Program Committee of this symposium, gave opening speeches, followed by a keynote speech by Professor Emeritus J. M. Kelly of the University of California, Berkeley, on "New Developments and Barriers of Seismic Isolation in the United States." A total of 70 papers were presented on seven subjects over three days.

- 1) Control devices (devices for seismic isolation, vibration control, active control, and semi-active control), 7 papers
- 2) Analysis and experiments on seismic isolation, vibration control, active control, and semi-active control, 17 papers
- 3) Performance evaluation of buildings with control devices, 9 papers
- 4) Design concepts and design standards for buildings with control devices, 11 papers
- 5) Design and construction practices for buildings with control devices, 11 papers
- 6) Maintenance, renovation, and seismic performance improvement using control devices, 6 papers
- 7) Active, hybrid, and semi-active control of structures, 9 papers

On the second day, Professor Alessandro Martelli of the University of Ferrara, Italy, gave a keynote speech entitled "Recent Progress in the Development and Application of Earthquake Motion Control Technology in Europe".

In the evening, a reception was held, at which greetings were given by Dr. Shoichi Yamaguchi, Chair, Dr. Yasuyuki Yamauchi, President, Building Research Institute of Japan, Dr. Jinjae Kim, President, Korean Association for Seismic Isolation and Vibration Control, and Prof. J. M. Kelly, who made the event a pleasant one.

On the third day, Prof. Jinping Ou of Harbin Institute of Technology gave a keynote speech entitled "Cutting Edge of Structural Control in Mainland China".

The afternoon was devoted to the introduction and discussion of the status report on "Response Control Buildings", which is scheduled to be published by SPON in July 2005 as the final result of the activities of CIB/TG44.

Reports were given on the current situation in Japan, China, Italy, New Zealand, and Taiwan.

A technical tour (32 people) was also held for participants mainly from overseas, and they visited the J2 Tower (seismic isolation) under construction at the Suzukake Campus, the Raiosha (seismic isolation) at Keio University's Hiyoshi Campus, the Earth Simulator (seismic isolation), and MM21 (Tuned Active Damper).

In earthquake-prone countries, response control technology is indispensable for the construction of sustainable buildings and cities, and its application to buildings is rapidly increasing in Japan, China and other countries following the Kobe earthquakes. The seminar also highlighted the high expectations that Asian countries have for Japan, which has been systematically developing its technological infrastructure and training engineers to ensure the sound development of response control technology.