

## NEWS

Professor C. Tamura attended at 55th Executive Meeting of ICOLD held at Beijing as a member of committee on Seismic Aspects of Dam Design, and made a speech as an expert.

Professor C. Tamura visited Dalian Institute of Technology in Dalian and Building Research Institute in Beijing, and made lectures on Earthquake resistance of underground structures.

Professor C. Tamura, Assoc. Professor K. Konagai, Mr. N. Sato and Mr. K. Kato (former assistant) visited Dalian University of Technology from March 27 to April 7. During the visit, they carried out measurement and observation of dynamic behavior of Guan Men Shang Dam (rockfill dam with concrete facing) in cooperation with Professor G. Han and his team at Dalian University of Technology.

Professor T. Okada attended the Fourth North American Masonry Conference at University of California, Los Angeles on August 16-19, 1987.

Professor T. Okada attended the Third Meeting of the Joint Technical Coordinating Committee on Masonry Research, U.S.-Japan Cooperative Research Program held at Tomamu, Hokkaido, Japan on October 15-17, 1987.

Professor T. Okada visited Los Angeles Area to investigate building damage caused by the Whittier Earthquake on October 1, 1987.

Professor T. Okada attended the Second U.S.-Mexico Workshop on 1985 Mexico Earthquake Research held in Mexico City on November 5-7, 1987.

Professor T. Okada, Mr. F. Kumazawa, Mr. M. Yamamoto, Mr. Y. Nakano and Mr. T. Nishida visited Chiba Prefecture to investigate the building damage caused by Chiba-ken Toho-oki Earthquake on December 17, 1987.

Professor Heki Shibata attended the specialist meetings held by Int. Atomic Energy Agency to prepare a technical document "Guide line for modelling of Seismic PSA" and also to start the revision of the Safety Guide for siting "SG-S1" and "SG-S2". He also attended the International Conference on

Structural Mechanics in Reactor Technology, so called SMiRT-9, in Lausanne, Swiss, in August. The SMiRT-11 will be held in Tokyo in August 1991.

International Conference on Application of Fuzzy Set Theory and Knowledge Engineering was held in Guiyang and Guizhou, China in July, and Professor Shibata reported on an elevation technique of indoor equipment and piping systems in nuclear power plant structures under seismic conditions. This paper is discussing how to combine both results obtained by a subjective evaluation and an objective evaluation, and was prepared for a part of the technical document of IAEA above mentioned.

Professor Shibata attended two technical meetings on seismic design of a fast breeder reactor in Bologna, Italy, in May and October, and the U.S.-Asia Conference on a natural hazard mitigation in Bangkok in December.

A large project for the aseismic design of a large fast breeder reactor, so-called LFBR, which will be completed in 1977~2000, sponsored by the Ministry of International Trade and Industry started in this year. Professors H. Shibata, T. Fujita and Professor Y. Hangai are involving in its sub-committees for shock isolation system and for buckling of main reactor vessel, respectively.

Professor Koich Takanashi was sent to Harbin Architectural and Civil Engineering Institute(HACEI) in July as a specialist from International Advisory Panel of National Academy of Sciences along Chinese University Development Project II. He stayed there for about four weeks, giving lectures on earthquake engineering, Static and Dynamic Structural Test Methods and related topics. He also advised on management of experimental center through discussions with HACEI's faculty members. He submitted a report to International Advisory Panel, which describes HACEI's education system and research activities.

Dr. Kenichi Ohi, lecturer, was invited to Harbin Architectural and Civil Engineering Institute(HACEI). He stayed there for four weeks, giving lectures and discussing on various topics in the field of Earthquake Engineering.

Professor Koichi Takanashi attended Paris Meeting of Structural Stability Research Council(SSRC) in September. He discussed with colleagues from

various countries on differences among design codes in the world. He participated in writing a summary report call "World View". After SSRC Meeting, Prof. Takanashi attended the Working Commission and the parmanent Committtee of International Association for Bridge and Structural Engineering (IABSE). He joined activities at annual assembly. He also participated in IABSE Symposium-Paris "Reinforced Concrete Structures in Future".

Dr. K. Ohi and Dr. G. Hong made a study tour in the United States for two weeks in October, 1987. They visited Profs. C.W. Roeder, N.M.Hawkins, C.B. Brown, G.R.Miller, and D.A. Reed at University of Washington, Profs. L-W. Lu, L.S. Beedle, J.W. Fisher, and P. Mueller at Lehigh University, Profs. R.D. Hanson, S.C. Goel, J.K. Wight, and R. Peek at the University of Michigan, Prof. S.A. Mahin at U.C. Berkeley and Prof. H. Krawinkler at Stanford University. They looked at experimental facilities for earthquake engineering at the above universities and exchanged the information about recent research works. This tour was made possible by the Miyoshi Grant of 1987.

Prof. T. Katayama attended the US.-Japan Joint Seminar on "Stochastic Approaches in Earthquake Engineering" held on May 6 and 7, 1987, and the US-Austria Joint Seminar on "Stochastic Structural Mechanics" held on May 4 and 5, 1987, both in the Florida Atlantic University, Boca Raton, Florida, USA.

Prof. T. Katayama participated in two workshops on earthquake ground motions held by the International Association of Physics of the Earth's Interior (IASPEI) during the XIX General Assembly of International Union of Geodesy and Geophysics (IUGG) held in August, 1987, in the University of British Columbia, Vancouver, Canada.

Prof. T. Katayama headed a group of earthquake and bridge engineers which visited New Zealand to investigate the state-of-the-art of the base isolation researches and practice in the said country. During the stay, the group participated in the New Zealand-Japan Workshop on Base Isolation of Highway Bridges held on November 9, 1987, at the Head Office of the Ministry of Works and Development, Wellington, New Zealand. He also coedited the Proceedings of the Workshop with Mr. R. L. Preston, chief

civil Engineer of the NZ Ministry of Works and Development.

Prof. T. Katayama was invited to the International seminar on Seismic Zonation held in Guangzhou (Canton), China, during December 6-10, 1987. The Seminar was organized by the State Seismological Bureau, PRC.

Prof. T. Katayama was one of the keynote speakers at the US-ASIA Conference on Engineering for Mitigating Natural Hazards Damage held in Bangkok, Thailand during December 14-18, 1987. The Conference was jointly organized by the University of Hawaii at Manoa and the Asian Institute of Technology with the cooperation of the US National Science Foundation.

Dr. Jose Raul Flores-Barrones, Project Director at the Ministry of Water Resources (Mexico) and Research Professor of the National University of Mexico, visited Japan early 1988 to investigate the earthquake resistant design and practice of pipelines and waterwork structures in Japan. Prof. T. Katayama acted as a host scientist during his 30-day stay in Japan.