

NEWS

- * On May 8, 1980, the delegation of 8 persons from the People's Republic of China visited the Institute of Industrial Science to discuss the study on earthquake engineering and several technical problems of shaking table testings. 10 members of ERS attended the meeting and exchanged the views with the Chinese delegation members.
- * During 26th through 29th, January 1981, the seminar of earthquake engineering was held. The topic of seminar was "Recent Design Methods of Earthquake Engineering." The seminar was held mainly for engineers and research engineers of private firms, public agencies and other universities. About one hundred and thirty persons attended the seminar and about sixty persons visited the Chiba Experiment Station of the Institute. The lecturers were Professors Tanaka, Kawai, Katayama, Shibata, Tatsuoka, Tamura, Kubo, Okada, Takanashi and Fujita (in the order of lecturing).
- * Professor Shibata was invited to PV-P Conf., a Century 2 ETR Meeting of ASME, as the session co-ordinator of "Recent Development of Life-line Earthquake Engineering in Japan, and presented a paper, and also invited to RASAFP Conf. of the same meeting as a panelist. These conferences were held in San Francisco, Aug., 1980. He had an honor of receiving the Century 2 Award from ASME at PV-P Conf.
- * Professor Shibata made the survey of damages of Wente winery and Lawrence Livermore Laboratory Area caused by the Earthquake of January 24, 1980.
- * Professor Shibata attended at 7WCEE, Istanbul, and presented two papers, and also was invited into a panel.
- * Professor Shibata was invited to 8 Regional Conf. of Earthquake Eng'g. held in Varna Bulgaria, Sept., 1980.
- * Professor Shibata was invited to CSNI Specialist Meeting held in Lisboa by OECD in Oct., 1980.
- * Professor Shibata also attended the Program Committee of 6 SMiRT in Brussels in Oct., 1980.
- * The draft of "Anti-Earthquake Design Code of High-pressure Gas Related Facilities" was completed by the working group chaired by Professor Shibata for the Ministry of International Trade and Industry.
- * Professor Shibata organized a study group of "Active Component Test" with about twenty co-researchers including Professors Okada, Takanashi and Fujita.

- * Professors Shibata and Okamura (School of Eng'g.) have been operating a study group of "Earthquake Damage Rate Analysis of Equipment and Piping".
- * Professor Keizaburo Kubo attended the following Conferences and Seminars during this year.
 - 1) The International Conference on Engineering for Protection from Natural Disasters in Bangkok, Jan., 7 - 9.
 - 2) Fourth International Conference on Pressure Vessel Technology in London, May. 19 - 23.
 - 3) US-Yugoslavia Joint Research Conference on Earthquake Engineering in Skopje, June 29 - July 2.
 - 4) Pressure Vessels and Piping Technology Conference of ASME, in San Francisco, Aug. 12 - 15, where Kubo was awarded the Centennial Model of ASME.
 - 5) Seventh World Conference on Earthquake Engineering in Istanbul, Sept. 8 - 13.
 - 6) Fourth ECEE Seminar, in Varna, Bulgaria Sept. 15 - 21.
 - 7) Review Meeting of the US-Japan Cooperative Research on Seismic Risk and its Application to Reliability-Based Design of Lifeline System, in Honolulu, Jan. 13 - 17, 1981.
- * Professor K. Kubo was elected to Director of the International Association for Earthquake Engineering at the General Assembly of IAEE on Aug. 14.
- * Professor K. Kubo was awarded the Society Model for 1980 by the Japan Society of Civil Engineers for his paper on Lifeline Earthquake Engineering in May.
- * Professor M. Shinozuka (Principal Investigator) of the Columbia University and Professor A.H-S. Ang of the University of Illinois (Urbana-Champaign) visited the Institute of Industrial Science, the University of Tokyo, and other institutions during May and June, 1980, to discuss the problems related to the Japan-U.S. cooperative research on "Seismic risk Analysis and Its Application to Reliability-Based Design of Lifeline Systems" jointly supported by the Japan Society for the Promotion of Science and the U.S. National Science Foundation. This joint research program, of which Professor K. Kubo is the Japanese principal investigator, was commenced in April, 1979, as a 2-year project. To carry out joint researches, Dr. Y. Fujino of the Tsukuba University and Dr. T. Harada of the Miyazaki University visited the Columbia University and the University of Illinois, respectively, for approximately three months during 1980. Professor T. Katayama also visited these universities and other related institutions during July and August, 1980, to review the progress of the project. This trip was supported by the Kajima Science Foundation of

Japan. From Jan. 14 to 16, 1981, the review meeting for the cooperative research program was held at the East-West Center (the University of Hawaii), Honolulu, Hawaii, with a total of thirteen participants attending. Twelve technical papers were presented and the outcomes of the project summarized.

- * Professor T. Katayama visited the People's Republic of China as a member of the 5-man party to discuss and exchange the knowledge on the dynamic problems of bridge structures. This visit was jointly supported by the Ministry of Construction and the Japan-China Economic Association. During the two-week stay in December, 1980, nine technical exchange sessions were held in Beijing where the present states of research and practice both in Japan and China were discussed. The presentations included the damage to bridges caused by the 1976 Tanshang earthquake and the current practice adopted for the seismic-resistant design of railway and highway bridges in China.
- * The 3-year special research project on "Dynamic Properties of Ground and Dynamic Behaviors of Underground Structures" ended in March, 1980. This project, supported by the Ministry of Education's special fund for the natural disaster science, was headed by Professor K. Kubo of the University of Tokyo. The results of the researches conducted by ten participants were summarized in a 129-page report (in Japanese) published in June, 1980.
- * A special session "Recent Advances in Lifeline Earthquake Engineering in Japan" was held during the August 12-15 ASME's Pressure Vessels and Piping Technology Conference at San Francisco, California. This session was cosponsored by the Task Force on Lifeline Earthquake Engineering (ASME), the Japan Society of Mechanical Engineers, and the Committee on Earthquake Engineering (JSCE). The proceedings of the special session coedited by H. Shibata, T. Katayama (both of the University of Tokyo) and T. Ariman (University of Tulsa) were published as ASME's Century 2 Publication PVP-43. During the Conference, Professors K. Kubo and H. Shibata were awarded the ASME's Century 2 Medallion for their distinguished contributions to the success of the special session.
- * Dr. Y. Hangai, Associate Professor, who was sponsored by the Ministry of Education, stayed at the University of Waterloo, Ontario, Canada for one year as a visiting associate professor, and came back in the end of July, 1980. He studied the stability and vibration of shell structures under Professor H. Leipholz.