

NEWS

* The Japan-China Cooperative Research on "Earthquake Engineering with Special Emphasis on the Damage Caused by Recent Chinese Earthquakes" has started in April, 1981, partly supported by the Kajima Foundation. The Japanese participants in this research project are mainly from the Institute of Industrial Science, University of Tokyo, including Professors C. Tamura (principal investigator), K. Kubo, H. Shibata, T. Katayama, F. Tatsuoka, and Dr. S. Okamoto (Professor Emeritus of the University of Tokyo). The other three participants are Messrs. G. Han (Lecturer, Dalian Institute of Technology), Y. Ogawa (Research Engineer, Tokyo Metropolitan Government), and M. Nonaka (Graduate Student, Chuo University).

Two main activities of this cooperative research in 1981 were 1) visit by the Japanese participants to the areas affected by the 1975 Haicheng and the 1976 Tangshan earthquake, and 2) visit by Chinese scholars to Japan to perform the joint research in earthquake engineering.

The visit by the Japanese delegation to the People's Republic of China took place in August, 1981. The delegation of eight members visited the Institute of Engineering Mechanics (Harbin), the areas affected by the 1975 Haicheng earthquake including Angshan, Haicheng and Yingkou, the Dalian Institute of Technology (Dalian), and the areas affected by the 1976 Tangshan earthquake including Tangshan and Tianjin. During the stay in Beijing, the delegation visited the Chinese Academy of Building Research and made several discussions with the Chinese parties regarding how to execute the joint research plan in future. Lectures were given by the Japanese delegation in Harbin, Angshan and Beijing (twice) to the Chinese researchers and engineers in earthquake engineering.

On January 16, 1982 four Chinese scholars came to Japan to participate in the joint research program. During their two months' stay at the Institute of Industrial Science, they will perform researches in various fields of earthquake engineering in close contact with the Japanese members in the Institute. The names, affiliations and research themes of the Chinese scholars are as follows:

Mr. Wei Lian, Chinese Academy of Building Research, Analysis of Seismic Behaviors of Buried Pipelines.

Mr. Lin Gao, Dalian Institute of Technology, Earthquake-Resistant Analysis of Dams.

Mr. Fu Sheng Cong, Chinese Academy of Building Research, Dynamic Response of Soils Including Liquefaction Phenomena.

Mr. Zhou Yongman, Institute of Engineering Mechanics, Characteristics of Strong Earthquake Motions.

- * Professor C. Tamura stayed at the University of California, Berkeley, under sponsorship of Professor J. Penzien, from October 21 to December 20 to study earthquake resistance of structures, especially dams and underground structures. This is financially supported by the Short-period Oversea Study Fund of the Ministry of Education, Japan.
- * Professor H. Shibata attended at the meeting of the International Conf. On Structural Safety and Reliability held in Trondheim, Norway in June, and also visited North Sea Oil Field.
- * Professor H. Shibata was invited to the seminar for structural engineers in the field of petro-chemical engineering held by ENI, Milan, Italy in June.

- * Professor H. Shibata attended at the International Seminar on Structural Mechanics in Reactor Technology and the following post conference as a session co-ordinator of "K" in Paris in August. He was an author of several papers related to the damping coefficient problems of nuclear piping systems. After the conference, he visited Supper-Phenix near Lion.
- * Professor H. Shibata visited Gabinete de Protecção e Segurança Nuclear, Lisboa, Portugal and a proposed site of a nuclear power plant with Professor H. Tajimi in August.
- * Professor H. Shibata was invited to visit Atomic Energy Canada Limited, Tront, Canada and Gentilly No.1 Power Plant, Quebec, in September.
- * Professor V. V. Bolotin, National Academy of Science, U.S.S.R. visited to our Institute, and discussed on several subjects with ERS members, and gave the lecture to us on March 15. Professor and Mrs. G. Grandri, Professors of Politecnico di Milano, visited us the same day.
- * Professor K. Kubo published his task on "Earthquake and Civil Engineering Structures", last August, Kajima Publishing Co.
- * Professor K. Kubo, Chairman of Tokyo Cross-bay Bridge Design Committee, had three-week trip last fall, visiting Vancouver, San Francisco, New Port Bridge, Sunshine Skyway Bridge, Maracaibo Bridge, and Zarate Bridge in Argentina, for investigating ship-bridge-collision problem.
- * The Review Meeting for the U.S.-Japan Cooperative Research on "Seismic Risk Analysis and Its Application to Reliability-Based Design of Lifeline Systems" was held at the East-West Center, Honolulu, Hawaii, from January 14 to 16, 1981. The Cooperative Research began in April, 1980, with K. Kubo (Institute of Industrial Science, University of Tokyo) and M. Shinozuka (Columbia University, U.S.A.) as Japanese and U.S. principal investigators, respectively. This small but successful meeting was attended by 13 participants including official participants of the Cooperative Research and observers, both from Japan and the U.S. The proceedings of this meeting, containing 13 papers on seismic risk analysis and lifeline earthquake engineering, were compiled and published in November, 1981, from Gakujutsu Bunken Fukyu-kai (Association for Science Documents Information), Oh-okayama, Meguro-ku, Tokyo 152. This book (300 pages) is purchasable from the abovementioned publisher at \$US 15.00 plus postage.
- * Associate Professor T. Katayama visited the Institute of Earthquake Engineering and Engineering Seismology, Skopje, Yugoslavia, from November 1 to December 12, 1981, as a UNESCO Consultant. There, he gave two series of lectures, each consisting of two-hour lectures, to the postgraduate students at the Institute. He also delivered three special seminars to the Institute's staff members on some of the recent research activities in earthquake engineering conducted by himself and his colleagues.
- * Professor Guido Guerra of University of Naples visited our Institute on January 14 and spoke on European and Mediterranean buildings including earthquake damages of these buildings.
- * Associate Professor Y. Hangai was invited by Colledge of Engineering, Sungkyunkwan University and stayed in Korea from Oct. 22 through Oct. 31. During his visit, he gave lectures at Sungkyunkwan University and Architectural Institute of Korea.