

## NEWS

Professor T. Okada visited the United States of Mexico during period of May 16-23, 1992 to attend the International Symposium on Earthquake Disaster Prevention held at CENAPRED in Mexico City.

Professor T. Okada and Associate Professor Y. Nakano attended the CEB meeting for Task Group III/5 (Fastenings to Concrete and Masonry Structures) held in Abisco, Sweden, during the period of 29 June to 1 July 1992.

Professor T. Okada, Associate Professor Y. Nakano and Research Associate F. Kumazawa attended the Tenth World Conference on Earthquake Engineering held in Madrid, Spain, July 19-24, 1992.

Professor T. Okada visited Egypt during the period of October 29-November 13, 1992 as a team leader of the expert team dispatched by the Japanese Government for the technical cooperation of the restoration of the structures damaged by the Egypt Earthquake occurred on October 12, 1992.

Professor T. Okada visited Istanbul, Turkey to discuss the future plan of Japan-Turkey technical cooperation under the program of the Japan International Cooperation Agency (JICA) during period of November 28-December 11, 1992.

Mr. F. Kumazawa visited Hokkaido Prefecture from January 19 to 23, 1993, as a member of the team to investigate the building damage caused by the Kushiro-oki Earthquake of January 15, 1993, and Professor T. Okada also visited Kushiro-city, Hokkaido from February 20 to 21 to investigate the building damage.

Associate Professor K. Konagai visited Philippine to attend the International Conference on the July 16, 1992, Luzon Earthquake, held at Bureau of Soils and Water Management, Quezon City, Manila, March 16-18, 1992.

Associate Professor K. Konagai visited Spain to attend the 10th World Conference on Earthquake Engineering (10WCEE) held at Madrid, July, 1992.

Associate Professor K. Konagai visited the Dalian University of Technology as a goodwill mission of the Institute of Industrial Science (IIS), Univ. of Tokyo, according to the exchange program on research and education between the IIS and Dalian University of Technology. He lectured on "Soil-Structure Interaction" and "Laser-Aided Tomography".

Professor Y. Hangai attended the IASS-CSCE International Congress 1992 on Innovative Large Span Structures in Toronto, July 13-17, 1992. In the Congress, the first Tsuboi Prize Awards Ceremony was held. This prize was founded in the memory of Professor Emeritus Yoshikatsu Tsuboi, and the awardees were Professor Ekkehard Ramm, University of Stuttgart and Mr. Michael Balz, free architect.

Professor F. Tatsuoka and outside members received in June 1992 the award for 1992's best geotechnical contribution from the Japanese Society of Soil Mechanics and Foundation Engineering. The theme of the award is the development of geotextile-reinforced soil reinforced soil retaining wall system.

Professor F. Tatsuoka organized the 11th Seiken Symposium November 6 and 7 at Institute of Industrial Science; International Symposium on Recent Case Histories of Permanent Geosynthetic-Reinforced Soil Retaining Walls. The number of panelists was 13 including 11 from oversea, and the number of participants was about 150.

Professor F. Tatsuoka and Dr. Y. Kohata attended the International Symposium on Earth Reinforcement Practice (IS Kyushu '92) held for November 11 - 13 in Fukuoka, Kyushu. Professor Tatsuoka offer a keynote lecture on Roles of Facing Rigidity in Soil Reinforcing.

Professor F. Tatsuoka visited Pakistan and Bangladesh for January 16 - 28, 1993, to attend the bi-lateral symposia on ground improvement.

Prof. Katayama chaired one of the Technical Sessions and participated as a panelist in one of the Panel Discussions in the "International Symposium on the Effects of Surface Geology on Seismic Motion" held in Odawara, Japan from March 25 to 27, 1992. He also cochaired with Prof.W.D.Iwan of the California Institute of Technology in the panel discussion on "The International Symposium on Earthquake Disaster Mitigation", which was also held in Odawara on March 28, 1992. It was organized and sponsored by Kanagawa Prefecture. Dr.Meguro also participated in these symposia.

Prof. Katayama was invited as a speaker at the International Symposium on "Earthquake

Disaster Prevention" held in the Centro Nacional de Prevencion de Disastres Coordinacion de Investigacion (CENAPRED) in the University of Mexico from May 18 to 21, 1992. Prof. Katayama gave a special lecture "IDNDR, IAEE and INCEDE - How should we be involved with the Decade?"

During the 10th World Conference on Earthquake Engineering held in Madrid, Prof. Katayama, as the Secretary General of the International Association for Earthquake Engineering, organized two Executive Committee Meetings and a General Assembly of Delegates. He also served as a coordinator of Special Theme Session on the IDNDR and gave a state-of-art lecture on Lifeline Earthquake Engineering.

Professor Hareesh C. Shah, Chairman of the Department of Civil Engineering of the Stanford University, stayed as a guest professor in the International Center for Disaster-Mitigation Engineering (INCEDE), the Institute of Industrial Science, for three months from September to December, 1992. Prof. Shah worked together with the members of the INCEDE on problems related to risk management strategies for natural disasters from a global point of view with emphasis on earthquake disasters.

Prof. Katayama was a coorganizer of Session II-22-1 "Earthquake Hazards-Case Studies" (31 August and 1 September, 1992) during the 11-day-long 29th International Geological Congress held in Kyoto.

Prof. Katayama chaired the technical session "City Systems Which Cope with Disasters" in the Second Asian-Pacific Conference on Disaster Medicine held in Chiba, Japan, from 10 to 13 September, 1992.

Prof. Katayama attended the "IDNDR Chiba International Conference 1992 Japan", as a member of the Organizing Committee, held in Chiba from November 27 to 30, 1992.

Prof. Katayama chaired a session in the "IDNDR International Symposium on Earthquake Disaster Reduction Technology" held in Tsukuba, Japan, from December 15 to 17, 1992, to mark the 30th anniversary of the International Institute of Seismology and Earthquake Engineering.

Prof. Katayama attended the Fourth Session of the Scientific and Technical Committee of the IDNDR, representing the IAEE as its Secretary General, held in New Delhi, India, from February 1 to 5, 1993, and officially introduced the World Seismic Safety Initiative (WSSI),

an IAEE's undertaking in support of the IDNDR.

Prof. Katayama and Dr. Meguro coorganized, with Professor H.C.Shah and Dr. S.P.Gupta (Asian Disaster Preparedness Center, Asian Institute of Technology), "Workshop on Seismic Risk Management of the Asia Pacific Region" which was held from February 8 to 11, 1993 in Bangkok, Thailand, as the first solid activity of the IAEE's new undertaking WSSI. The Workshop was very successful and fruitful with 30 participants from 20 countries mostly from the Asia Pacific Region.

Dr. Meguro received the award for the Best Paper of the Year by a Young Researcher from the Japan Society of Civil Engineers on May 28, 1992. The title of his paper is "Fracture Analyses of Media Composed of Irregularly Shaped Regions by the Extended Distinct Element Method".

Prof. Nakano and Dr. Meguro visited Erzincan Province, Turkey, from April 4 to 14, 1992 to survey the damage caused by the Erzincan Earthquake (M6.8) on March 13, 1992. They were members of the joint AIJ(Architectural Institute of Japan) and JSCE(Japan Society of Civil Engineers) reconnaissance team.

Prof. F. Yamazaki took a sabbatical leave from the IIS from March 1 to November 30, 1992. He and conducted a joint research with the engineering seismology and earthquake engineering section of Imperial College, London, England for the first seven months. A part of the result of his research work is presented in this ERS bulletin. In the last two months of his sabbatical leave, he visited several institutes in Europe and the Middle East including Ecole Central, Paris, France; University of Pavia, Pavia, Italy; ISMES, Bergamo, Italy; Polytechnic of Turin, Turin, Italy; Technical University of Athens, Athens, Greece; Cairo University, Cairo, Egypt; and Istanbul Technical University, Istanbul, Turkey.

Prof. F. Yamazaki, Dr. K. Meguro and three graduate students (C. Villacis, H. Yokoyama and G. Molas) attended the Tenth World Conference on Earthquake Engineering held in Madrid, Spain from July 19 to 24, 1992.

Dr. S. Nagata and Mr. T. Tatekawa, a graduate student, attended the 4th Japan-U.S. Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures Against Soil Liquefaction. The conference was held in Honolulu, Hawaii, USA from May 27 to 29, 1992. They presented their papers on the micro-scale seismic damage assessment methodology and the power outage caused by Typhoon 9119.

Prof. F. Yamazaki, Dr. S. Nagata, Dr. K. Meguro and Miss M. Soejima, a graduate student, conducted a survey of the damage caused by the Kushiro-Oki (offshore) earthquake on January 15, 1993. They visited Kushiro City four days after the event and observed structural damage and ground failures.

Professor K. Takanashi attended at Annual Meeting of Structural Stability Research Council (SSRC) in Pittsburgh, USA in April 1992 and presented an invited paper there.

Professor K. Takanashi was invited to National Research Center of Earthquake Engineering, Taipei, Taiwan in June 1992 and gave lectures on experimental research for seismic design.

Professor K. Takanashi and Dr. G. Hong were invited to South Korea in August 1992. They gave lectures at a seminar organized by The Computational Structural Engineering Institute of Korea and at a technical meeting organized by Taegu Branch of Architectural Institute of Korea.

Professor K. Takanashi attended IABSE Symposium Davos in September 1992 as a member of the scientific committee and joined the panel discussion of Euro Codes.

Dr. A. S. Elnashai, Reader of Imperial College of Science, Technology and Medicine, UK, stayed at IIS as a visiting researcher for one month from March 1992. Also his colleagues, Drs. A. Y. Elghazouli and B. A. Izzudin, did so. They conducted an experimental study on semi-rigid steel frame in cooperation with Takanashi and Ohi Laboratories.

Associate Professor K. Ohi, Research Associate Y. Chen, and Technical Associate H. Kondo attended 10WCEE at Madrid in July 1992 to present their papers.

Dr. Riccardo Zandonini, Professor of University of Trento, Italy, visited IIS in October 1992 and gave a lecture on design of semi-rigid steel frame.

Professor Zu-yan Shen, Vice-president of Tongji University, China, visited IIS in October 1992 and gave lectures on non-linear behaviors and instability of steel structures.