

## NEWS

Professor Y. Nakano attended the CEB TG/III meeting on "The design of fasteners to concrete and masonry structures", during the period of May 23-June 1, Santorini, Greece.

Professor T. Okada, Professor Y. Nakano and Mr. F. Kumazawa, Research Associate, attended the U.S.-Japan Seminar on Development and Future Dimensions of Structural Testing Techniques during the period of June 28-July 1, 1993, Hawaii, U.S.A.

Professor T. Okada and Professor Y. Nakano visited the south-west part of Hokkaido Prefecture to investigate the damage to buildings by Hokkaido Nansei-oki Earthquake on July 12, 1993 during the period of July 16-19, 1993.

Professor T. Okada visited Okushiri Island in Hokkaido Prefecture to investigate the damage by Hokkaido Nansei-oki Earthquake on July 12, 1993 during the period of July 30-August 1, 1993.

Mr. F. Kumazawa visited Guam Island to investigate the damage to building due to the earthquake on August 8, 1993 during the period of August 21-25, 1993.

Professor Y. Nakano attended the International Conference on Continental Collision Zone Earthquakes and Earthquake Hazard Reduction held in Yerevan, Republic of Armenia, during the period of October 1-6, 1993.

Professor T. Okada attended the International RILEM Symposium on Demolition and Reuse of Concrete and Masonry during October 24-27, 1993, Holland.

Professor T. Okada attended the CEB TG/III meeting on fastening during the period of October 18-19, 1993, Prague.

Professor Y. Nakano visited Los Angeles to investigate the damage due to the Northridge Earthquake on January 17, 1994 during the period of January 22-27, 1994.

Professor T. Okada visited Los Angeles to investigate the damage due to the Northridge Earthquake on January 17, 1994 during the period of February 1-10, 1994.

Professor Y. Nakano attended the Earthquake Disaster Prevention Seminar held in CENAPRED, Mexico City, during the period of February 14-21, 1994, and gave a lecture on "Ductility and Structural Design of Reinforced Concrete Buildings."

Professor T. Okada attended the CEB TG/III meeting on fastening during the period of March 22-24, 1994, Berkeley, California, USA.

Professor K. Konagai, Mr. T. Katagiri, a technical associate, and Mr. T. Matsushima, a graduate student, visited Kushiro city and its vicinity, Hokkaido, from January 18 to 20, 1993, to survey damage caused by the Off-Kushiro Earthquake of Jan. 15, 1993. The reconnaissance report was published in the last volume of the ERS Bulletin (No. 26).

Dr. Zhang Chuhan, Professor of Hydraulic Engineering, Tsinghua University, China, visited the IIS, University of Tokyo, and gave a lecture on "Hydropower Development and Dam Construction in China".

Professor K. Konagai attended the Second European Conference on Structural Dynamics, EURO DYN' 93, held at Norwegian Institute of Technology, Trondheim, Norway from June 21 to June 23. Taking this opportunity, he visited several universities and institutes including Geotechnical lab. at the Trondheim University, the Delft University of Technology, Delft, Netherlands and the College of Architecture, Weimar, Germany.

Professor K. Konagai, Mr. T. Katagiri, research engineer and Mr. A. Mikami, a graduate student, visited Setana, Kitahiyama, Oshamanbe and their vicinities, south-west part of Hokkaido, from July 14 to 20, 1993, to survey damage caused by the South-East-Off Hokkaido Earthquake of July. 12, 1993.

Professor K. Konagai and Mr. T. Katagiri visited the Okushiri island, Hokkaido, from August 18 to 20, 1993, to survey damage caused by the South-East-Off Hokkaido Earthquake of July 12, 1993.

Professor Y. Hangai and Dr. K. Kawaguchi, a lecturer, attended the International Symposium on Public Assembly Structures from Antiquity to the Present, held in Istanbul from May 24 to 28.

Professor Y. Hangai attended the Second Asian-Pacific Conference on Computational Mechanics from Concepts to Computations in Sydney from August 3 to 6.

Professor Y. Hangai and Dr. K. Kawaguchi, a lecturer, attended the Fourth International Conference on Space Structures held at the University of Surrey, Guilford, U.K. from September 5 through 10. In the closing session of the conference, Pioneer's Award was awarded to professor Y. Hangai from the Space Structures Research Center, Department of Civil Engineering, University of Surrey.

Professor Y. Hangai organized the SEIKEN-IASS Symposium on Nonlinear Analysis and Design for Shell and Spatial Structures held at Sanjo Kaikan Conference Hall in the campus of University of Tokyo from October 19 to 22. On October 18, he also organized the Pre Symposium seminar at AIJ Conference hall and seven world renowned professors gave their lectures. More than fifty foreign researchers and one hundred Japanese researchers and engineers gathered and exchanged their knowledge each other through innumerable discussions during the Symposium.

Dr. K. Kawaguchi visited Department of Civil Engineering of Imperial College in London from April through September as a visiting academic and carried out the cooperative research with Dr. A. Elnashai's group on the geometrical nonlinear analysis of shell structures.

Dr. K. Kawaguchi visited Department of Engineering of University of Cambridge as a visiting academic from October through January and carried out the cooperative research in the group of

structure with Dr. S. Pellegrino on the stress and displacement control of prestressed truss systems.

Professor F. Tatsuoka attended the Conference on Transportation Facilities through Difficult Terrain held at Aspen-Snowmass, Colorado USA, 8 - 12 August 1993 and presented a paper

Professor F. Tatsuoka attended Third International Workshop on Localization and Bifurcation Theory for Soils and Rocks held at Aussois, France, 6 - 9 September 1993 and presented a paper.

Professor F. Tatsuoka attended International Symposium on Hard Soils -Soft Rocks held at Athens, Greece, 20 - 23 September 1993 and presented a paper.

Professor F. Tatsuoka attended the 13th International Conference on Soil Mechanics and Foundation Engineering held at New Delhi, India, 4 - 10 January 1994 and acted as a panelist for a session.

Dr. Y. Kohata attended Symposium on Dynamic Geotechnical Testing II by ASTM held at San Francisco, USA, 27 - 28 January 1994 and presented a paper.

Professor T. Katayama chaired the academic discussions between Dr. Frank Press and eminent Japanese scientists and engineers, which was held on April 29, 1993, to mark Dr. Press' reception of the 1993 Japan Prize for his outstanding contribution to safety engineering and disaster mitigation.

Professor T. Katayama and Dr. K. Meguro organized a three-day workshop on "Towards Natural Disaster Reduction" from June 28 to 30, 1993, in Okinawa, Japan, during the VII Pacific Science Inter-Congress of the Pacific Science Association. The workshop was coorganized PSA Task Force on Natural Disaster Reduction (chair: T. Katayama), WSSI/IAEE, INCEDE and the United Nations University in Tokyo.

Professor T. Katayama visited two research institutions in China from July 29 to August 10. He gave lectures on earthquake engineering in Japan, recent trends in lifeline earthquake engineering, and the IAEE's role in IDNDR at Dalian Institute of Technology (Dalian) and Institute of Engineering Mechanics (Harbin).

Professor T. Katayama with the staff of INCEDE visited Manila, Philippines, from August 15 to 17, 1993, to hold initial discussions with Philippine coresearchers on a three-year (1993-1995) project "RS/GIS Study on Philippine Disasters and Their Optimal Restoration Strategies" funded by the Ministry of Education of the Japanese Government. During October 17-24, a team of four Philippine researchers visited INCEDE in return for further discussions on the project. In 1994, a five Japanese researchers revisited the Philippines from January 4 to 11 to make a field survey of the test area (Agno River catchment) where the methodology to be developed by the research will be applied. Professor T. Katayama will visit the Philippines coresearchers in early February to finalize the details on the data gathering to be made by them, and the wrap-up meeting for the first year of the study is scheduled in Tokyo in early March by inviting four Philippine researchers.

Professor T. Katayama was appointed as Vice Chairman and Treasurer of the WSSI (World Seismic Safety Initiative, IAEE's new initiative) during its first Board of Directors Meeting held in the United Nations University in Tokyo on September 7, 1993. He also attended the second Board Meeting held in Manila on February 9, 1994.

Professor T. Katayama was invited to the 8th International Seminar on Earthquake Prognostics held during September 27-29, 1993, in Tehran, Iran. As one of the keynote speakers, he delivered a speech on "Tsunami Disaster in Japan Caused by July 1993 Earthquake."

On October 13, 1993, the 1993 International Disaster Reduction Day, Professor T. Katayama presented a talk on "International Decade for Natural Disaster Reduction: Are We Chasing a Dream?" in the United National University (UNU) in Tokyo. The lecture was cohosted by UNU and INCEDE as the 14th Public Forum of UNU and the Third INCEDE Open Lecture.

Professor T. Katayama participated in the IDNDR Aichi/Nagoya Conference JAPAN held in Nagoya from November 1 to 4, 1993, and presented a paper titled "Lifelines in Urban Areas -To What Extent Can We Justify Their Importance During Disasters."

Professor T. Katayama participated in the three High-Level Meetings (HLM's) held in Kuala Lumpur (November 8, 1993), Singapore (November 9), and Katmandu (November 12). These HLM's were organized by WSSI and local people to raise awareness on the importance of earthquake issues among government officials, people from social and cultural institutions, mass media, etc. in each of the countries.

Professor T. Katayama was an invited speaker of the Plenary Session of IECON'93, the International Conference on Industrial Electronics, Control and Instrumentation, November 15-19, held in Hyatt Regency-Maui, Hawaii, USA. The title of his speech was "International Decade for Natural Disaster Reduction: Are We Chasing a Dream?"

Professor T. Katayama made a quick look reconnaissance of the sites affected by the January 17, 1994, Northridge Earthquake in California, USA. He was in the hardest-hit area on January 18 and 19 to see many of the damaged structures before their demolition.

Professor F. Yamazaki, Dr. S. Nagata, Dr. K. Meguro and five graduate students conducted a survey of the damage caused by the Kushiro-Oki Earthquake on January 15, 1993. They visited Kushiro City and its surrounding areas from March 1 to 4 and interviewed various local government agencies, utilities and private sectors which were affected by the earthquake.

Professor F. Yamazaki, Dr. K. Meguro and Mr. S. Matsumoto, a graduate student, conducted a reconnaissance survey of the damage caused by the Hokkaido-Nansei-Oki Earthquake on July 12, 1993. They visited Okushiri Island, which was severely affected by killer tsunamis, fires and landslide, and mainland Hokkaido, which was also attacked by tsunamis, from July 14 to 18. The quick report of the survey was published from INCEDE as a special issue of its newsletter.

Professor F. Yamazaki attended the Sixth International Conference on Structural Safety and Reliability (ICOSSAR) held in Innsbruck, Austria from August 9 to 13, 1993. He presented a paper, chaired a session and participated in a panel session on "simulation" as a panelist.

Dr. Hua-nan Tong joined IIS as a research associate of Yamazaki Lab. in August, 1993. He has a strong background in fields of computer science and earthquake engineering.

Professor F. Yamazaki conducted a reconnaissance survey of the sites affected by the August 8, 1993, Guam Earthquake of magnitude 8.1. Professor Yamazaki was a member of JSCE team headed by Professor T. Sato of Kyoto University. They visited Guam Island from September 26 to 30 and investigated the effects of the earthquake.

Professor F. Yamazaki and Dr. K. Meguro made a reconnaissance of the sites affected by the January 17, 1994, Northridge Earthquake of southern California, USA. Professor Yamazaki was a member of the university team headed by Professor T. Ohmachi of Tokyo Institute of Technology and supported by Ministry of Education, Science and Culture of Japanese Government.

Professor K. Takanashi and Professor K. Ohi attended the Japan-US Seminar titled "Development and Future Dimensions of Structural Testing Techniques" in Honolulu, Hawaii. They presented papers there and joined the workshop on new dimensions of structural tests.

Professor K. Takanashi participated in IABSE Rome Symposium on "Preservation of Architectural Heritage" as a scientific committee member. Intervention of architectural moments in seismic hazardous areas was intensively discussed as one of the main topics of the Symposium.

Professor K. Takanashi participated in International Advanced School held at Technical University of Budapest, Hungary and gave a lecture on "A Japanese Way to Limit State Design in Steel".

Mr. Brian Broderick, a research associate of Imperial College, London, joined the structural tests on braced frames at Chiba Experiment Station along the cooperative research project between Professor K. Takanashi, IIS, UT and Professor A. Elnashai, IC.

Professor K. Ohi attended the 6th International Conference on Structural Safety and Reliability (ICOSSAR 93) held at Innsbruck, Austria, in August 1993, and also he spent the following week at Stuttgart, Germany, attending the 12th International Conference on Structural Mechanics in Reactor Technology (SMiRT 12).

Dr. Y. Chen and Mr. H. Kondo, a technical associate, attended the Fourth East Asia-Pacific Conference on Structural Engineering and Construction, which was held at Seoul, Korea, in September 1993.