

NEWS

Dr. Y. Murono, Railway Technical Research Institute, arrived at his new post of a guest associate professor at IIS, University of Tokyo on July 1, 2001.

Atico Earthquake occurred off the coast of southern Peru, about 175 km west of Arequipa or about 595 km southeast of Lima at 4:33 PM EDT on Jun 23, 2001 (3:33 PM local time in Peru). A revised moment magnitude of 8.4 (Harvard) was computed for this earthquake, making this the largest earthquake to occur anywhere in the world in the past 25 years. Before this earthquake, members of ERS and CISMID (Japan-Peru Center for Earthquake Engineering and Disaster Mitigation, Dr. Carlos ZAVALA, director) were organizing an EQTAP* workshop at Lima for a possible collaboration on researches for earthquake disaster mitigation. ERS members (Prof. K. Konagai, Team Leader, Prof. K. Meguro, Prof. Ohi, Prof. Koseki and Doctor candidates Mr. Ruben Guzman, Mr. Miguel Estrada, Mr. Jorgen Johansson and Ms. Paola Mayorca) and CISMID experts decided to perform a joint reconnaissance survey in the affected areas as a pre-workshop arrangement. The team, with a limited number of experts, had little chance to cover up every specialty of civil engineering, seismology, surface geology and tsunami during their short stay there. The team, however, was offered every convenience by the Japan Society of Civil Engineers (JSCE), and adding two experts, Dr. Hiroshi SATO (ERI, University of Tokyo, Surface geology) and Dr. Koshimura (formerly NOAA, Tsunami), the JSCE/EQTAP team was finally organized. Their final report is available on the JSCE website.

After participating in the Japan-Peru joint reconnaissance team of the June 23 Atico Earthquake, Professors K. Konagai, K. Ohi, J. Koseki, K. Meguro and Doctor candidates Mr. Ruben Guzman, Mr. Miguel Estrada, Mr. Jorgen Johansson and Ms. Paola Mayorca attended *Peru-Japan Joint Workshop on Earthquake and Tsunami Disaster Mitigation in the Asia and Pacific Region* at Lima in July 2001 and made presentations.

Professor K. Konagai attended the 4th Multi-Lateral Workshop on Development of Earthquake and Tsunami Disaster Mitigation Technologies and their Integration for the Asia-Pacific Region, Dec. 3-4, 2001, Kamakura, Japan.

Professor K. Konagai attended the International Symposium on "Landslide Risk Mitigation and Protection of Cultural and Natural Heritage", Jan.21-25, 2002, Kyoto, Japan.

Professor F. Yamazaki attended the *Joint Workshop on US-Japan Cooperative Research in Urban Earthquake Disaster Mitigation* held in Seattle, Washington, USA on January 8, 2001. The workshop was organized by Prof. T. Okimura of Kobe University and Mr. D. Ballantyne of EQE International.

Professor F. Yamazaki attended the Manila case study meeting of EQTAP (*Development of Earthquake and Tsunami Disaster Mitigation Technologies and its Integration for the Asia-Pacific Region*) project held in Metro Manila, the Philippines held on March 22 and 23, 2001. EQTAP is a multi-lateral research project sponsored by Ministry of Education, Culture, Sports, Science and Technology, Japan.

Mr. Masayuki Kohiyama joined Yamazaki Laboratory of IIS as Research Associate. He is a well-experienced researcher in the field of disaster mitigation, especially, use of remote sensing images and GIS for emergency management.

Professor F. Yamazaki attended the Task Force Meeting of EQTAP project held in Washington D.C. from May 23 to 25, 2001. In the meeting, international advisory members and section leaders of EQTAP discussed on the master plan for earthquake and tsunami disaster mitigation technologies.

Professor F. Yamazaki started his service as a seconded faculty of Asian Institute of Technology (AIT), Bangkok, Thailand from June 1, on leave from the University of Tokyo. He will stay in AIT until March 2003, as Professor of Space Technology Applications and Research Program (STAR), School of Advanced Technologies (SAT).

Professor F. Yamazaki and Mr. Y. Maruyama, Graduate Student, attended the *8th International Conference on Structural Safety and Reliability*, held in Newport Beach, California, USA from June 18 to 21, 2001. Prof. Yamazaki delivered the Freudenthal Lecture, the most prestigious keynote lecture in the conference, on the topic of "Applications of remote sensing and GIS for damage assessment."

* EQTAP: "Earthquake and Tsunami disaster mitigation in the Asia and Pacific region" project, Ministry of Education, Culture, Science and Technology.

- Professor F. Yamazaki attended *the Metro Manila workshop on Earthquake and Tsunami Disaster Mitigation* held in Metro Manila, the Philippines from July 4 to 5, 2001, jointly sponsored by and Earthquake Disaster Mitigation Research Center (EDM), Miki, Japan and Philippine Institute of Volcanology and Seismology (PHIVOLCS).
- Professor F. Yamazaki attended *the third grantees' meeting of the US-Japan Cooperative Research in Urban Earthquake Disaster Mitigation*, held in Seattle, Washington, USA on August 15 and 16, 2001. As a member of the joint technical committee of the US-Japan research program, he served as a session co-chairman in the workshop.
- Professor F. Yamazaki attended *APEC seminar on "Earthquake Disaster Management of Energy Supply Systems"*, held in Taipei, Taiwan from September 5 to 6, 2001. He was invited to the seminar from the organizing committee and delivered a lecture on "Seismic Monitoring and Early Damage Assessment for Energy Supply Systems".
- Professor F. Yamazaki, Mr. M. Kohiyama, Mr. M. Estrada and Miss K. Kokubu, Graduate Students, attended *the 22nd Asian Conference on Remote Sensing* held in Singapore from November 5 to 9, 2001. They delivered papers on remote sensing and GIS related to disaster management.
- Professor F. Yamazaki attended *the Fourth Multi-lateral Workshop on Development of Earthquake and Tsunami Disaster Mitigation Technologies and its Integration for the Asia-Pacific Region* held in Kamakura, Japan from December 5 to 7, 2001. He served as a session chairman of the working group: *Disaster Risk Assessment and Management*.
- Dr. W. H. Yi, Prof. of Kwangwoon Univ., Seoul, Korea stayed at Nakano Lab. during the period of Jan. 5, 2000 through Feb. 16, 2001 as a Visiting Research Fellow. He participated in a collaborative research project on seismic capacity evaluation and retrofit of existing buildings in Korea.
- Professor Y. Nakano attended *ESnS International Seminar on Seismic Performance Evaluation and Retrofitting Techniques of Buildings* held in Seoul, Korea, from Apr. 22 through 25, 2001 and presented his paper.
- Professor Y. Nakano attended *RILEM International Symposium on Connections between Steel and Concrete* and fib 4/4 meeting on Fastenings to Concrete held at Stuttgart, Germany, from Sep. 10 through 14, 2001.
- Professor Y. Nakano attended *2nd Japan-Slovenia Workshop on Performance Based Seismic Design Methodologies* held in Ljubljana, Slovenia, during Oct. 1 and 2, 2001 and presented his paper.
- Professor Y. Nakano and Dr. Y. Sanada, Research Associate, attended *the International Seminar & Workshop on New Direction for Enhancement of Structural Performance* held in Seoul, Korea, during Oct. 11 and 12, 2001 and presented their papers.
- Dr. W. H. Yi, Prof. of Kwangwoon Univ., Seoul, Korea stayed at Nakano Lab. during the period of Jan. 4 through Feb. 14, 2002 as a Visiting Research Fellow. He participated in a collaborative research project on seismic capacity evaluation and retrofit of existing buildings in Korea.
- Research Associate Dr. Seung-jae Lee took a sabbatical leave from the University of Tokyo for one year from April 2001. He stayed at UC Berkeley, USA, as a visiting scholar hosted by Prof. Stephen Mahin.
- Doctor candidate Mr. Praveen Khandelwal attended *the International Conference on Structural Safety and Reliability (ICOSSAR 2001)* held at New Port Beach, USA, June 17-21, 2001, and presented his paper co-authored by Prof. K. Ohi.
- Professor K. Ohi attended *the US-Japan Seminar on Advanced Stability and Seismicity Concept for Performance-based Design of Steel and Composite Structures* held at Kyoto, July 23-25, 2001. He co-chaired the session of 'Material' with Prof. J. Ricles of Lehigh University, and also presented his paper as well as a quick report on the steel power plant damage caused by the June 23 Atico Earthquake.
- Professor K. Ohi and Technical Official Mr. H. Otsuka attended *the Sixth Pacific Steel Structural Conference (PSSC 2001)* held at Beijing, China, October 15-17, 2001, and presented their paper. After the conference, they visited Tongji University at Shanghai, and presented three topics on steel structural researches together with Dr. Pei-yu Fang, Executive Manager of DYNA, Inc., in a special seminar chaired by Prof. Yi-yi Chen.
- Lecturer Ms Yu-shun Li of Northeast Forestry University, China, stayed at IIS for one year from October 2001 as a visiting researcher hosted by Prof. K. Ohi and financially supported by Chinese Government.

She joined an ongoing pseudo-dynamic test project on a steel frame model with hysteretic dampers at Chiba Experiment Station.

Professor K. Kawaguchi has visited the Cable Dome stadium at Seoul, Korea, 23rd-25th Feb with prof. S.D.Kim. Then investigated the collapsing damage by the heavy snow fall.

Professor Janusz Rebielak has visited Kawaguchi Lab. for ten months as an academic research fellow of JSPS. He and the laboratory members had carried out the cooperative research on tension spatial structures, such as cable arrangement of cable domes.

Professor K. Kawaguchi has visited Korea, 31th May-4th June, to give an invited lecture on Tension Structures at the Semyung University.

Professor K. Kawaguchi has visited Athens for the technical information exchange on Soft Adaptable Structures with Prof. Charis Gantes, Technical University of Athens. Following this visit he attended *the Second International Conference on Studies in Ancient Structures* and met Prof.Gorun Arun, Yildiz University.

Professor K. Kawaguchi has invited Prof.Gorun Arun to Japan for the information exchange on the restoration of Ancient Structures. They both attended *the International Symposium on Shell and Spatial Structures* held at Nagoya, Japan.

Professor K. Meguro visited AIT (Asian Institute of Technology) in Bangkok, Thailand, to attend *the 1st AIT-ICUS joint workshop on urban safety engineering* from September 20 to 23. Prof. T. Uomoto, Director of ICUS (International Center for Urban Safety Engineering, succeeding INCEDE), Profs. F. Yasuoka and R. Oka and Dr. D. Dutta, all ICUS members, joined the workshop and discussed the future collaboration with Thailand counterpart institutes such as AIT, Thamassat University, Chulalongkorn University. Prof. F. Yamazaki also joined the workshop from Thailand side participant as he is now working at AIT

Professor K. Meguro was invited to attend *the Seismic Risk Seminar*, Kuala Lumpur, Malaysia as an invited keynote speaker during September 24-27, 2002. The Malaysian government and the Board of Engineers of Malaysia sponsored this event to promote earthquake engineering and disaster mitigation countermeasures in the country. WSSI (World Seismic Safety Initiative) also supported the workshop and dispatched some of its Board members to the workshop (Profs. T.C. Pan from Singapore, H.C. Shah from US, Mr. Teddy Boen from Indonesia, and Prof. K. Meguro from Japan). Professor Meguro made a keynote address entitled 'What is the most important measures for reducing earthquake disaster? Real lessons learnt from recent damaging earthquakes in the world' together with Prof. Haresh C. Shah from Stanford University, California, US.

Professor K. Meguro attended *the International Seminar and Workshop on New Direction for Enhancement of Structural Performance*, Seoul, Korea from October 10 to 14, 2002. Prof. Y. Nakano, IIS, University of Tokyo and Prof. Waon-Ho Yi, Dept. of Architectural Engineering, Kwangwoon University were the coordinators from the Japanese and Korean side, respectively. Prof. Meguro gave a speech on Applied Element Method with the title: 'Introduction of Applied Element Method: As a New Efficient Tool for Design of Structure Considering Its Failure Behavior.'

Professor K. Meguro visited New York with his two Ph. D students, Ms. P. Mayorca and M. Yoshimura to investigate the structural and social damage due to September 11 attack of World Trade Center at Lower Manhattan, NY, USA. Prof. Y. Kawata from Disaster Prevention Research Institute, Kyoto University, headed the Reconnaissance Team, which was supported by the Ministry of Education, Science and Technology of Japan. The team was composed of four groups (A to D) with 43 members from various universities, national research institutes and the private sector. Prof. Meguro was the leader of group A whose mission was to investigate structural damage mechanism, malfunction of lifeline systems and their response activities. By the end of the present fiscal year, a quick report of this investigation, written in English, will be finished and the final report, in Japanese, will be published by the end of May 2002.

Professor K. Meguro has published 72 technical papers including conference papers in 2001. Among them, 20 papers were written in English and are listed in this volume. Newspapers have introduced and reported his various research topics and outputs 20 times in 2001. He won the award for the best research paper in 2001 given by the Institute of Social Safety Science. The title of the paper was "System for promotion of retrofitting of existing pre-code revision structures."

Professor J. Koseki attended *the 15th International Conference on Soil Mechanics and Geotechnical Engineering* held in Istanbul, August 27-31, 2001 and made a panel presentation.