

Announcements

Short Course on Soil Dynamics

The University of Missouri-Rolla will host a short course on Soil Dynamics in Engineering Practice on March 26-27, 2001, in San Diego, California, in conjunction with the Fourth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics. The topics covered include: earthquake loading on geotechnical structures; experimental determination of system properties; soil properties at low and high strains; nonlinear soil behavior; wave propagation techniques; ground response to earthquakes; site amplification; liquefaction; computation modeling; retaining walls and their displacements during earthquakes; response spectra for force-excited systems; design approaches; Eurocode and uniform building codes; pile foundations under dynamic loads; models for analysis of single piles and pile groups; design of piles; and case histories of geotechnical structures under big earthquakes.

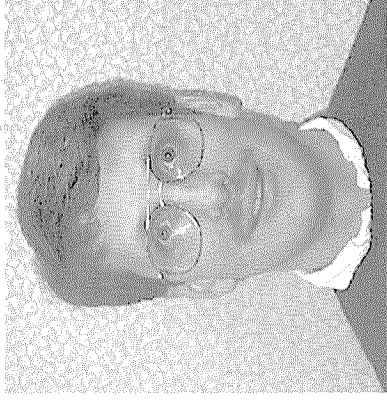
The instructors will be Ahmed Elgamal, University of California, San Diego, and Shamsheer Prakash, University of Missouri-Rolla. The course fee is \$565 (non-conference), \$465 (conference). For more information see the website: www.UMR.edu/~conted/quake.html or contact Shamsheer Prakash (e-mail: prakash@umr.edu; fax: 573/341-6553; phone: 573/341-4489).

News of the Institute

EERI/FEMA Professional Fellowship Awarded

Gregory L. Griffin, P.E., Consulting Engineer at OBEC in Eugene, Oregon, has been selected as the 2001 NEHRP Professional Fellow in Earthquake Hazard Reduction, awarded by EERI under a cooperative program funded by the Federal Emergency Management Agency. This activity is undertaken by FEMA as part of the National Earthquake Hazards Reduction Program. The fellowship is designed to provide an opportunity for a practicing professional to gain greater skills and broader expertise in earthquake risk reduction. The Institute extends thanks to the review committee composed of Donald Anderson of CH2M Hill, C. Allin Cornell of Stanford University, and Farzad Naeim of John A. Martin & Associates.

Griffin's research will focus on developing a response spectrum method (RSM) for earthquake analysis of bridges that accounts for multiple support excitations. His work is an extension of previous studies of the effects of incoherent ground motions on bridges, and will focus on developing a design tool that can be used by practicing engineers. He will develop a finite element analysis approach based on existing work and will conduct parametric studies to account for the differing seismic inputs. He will then apply the multiple support RSM to two different bridge structures, and will validate this method with time history methods. Griffin will carry out his research under



Gregory L. Griffin

the direction of Professor M. "Said" Saïdi at the University of Nevada, Reno.

For the past four years, Griffin has worked as a project engineer for OBEC Consulting Engineers in Eugene, Oregon. His current project responsibilities include serving as lead designer for a 30-meter, single-span bridge, numerous retaining walls, and a 550-foot pedestrian bridge crossing Interstate 205 in Washington. He has presented some of this work at professional meetings and published in technical journals.

Griffin earned his BSCE from the University of Idaho, and his MSCE from the University of Nevada, Reno.

The Professional Fellowship, awarded annually, provides a stipend of \$30,000 commencing in January 2001, and covers tuition, fees, and relocation and living expenses for a six-month period.

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Employment Opportunities

Geomatrix Consultants, Oakland, CA. Openings for both a staff and a senior seismologist in the Geotechnical Engineering and Earth Sciences Group to work as part of the seismic hazard analysis team. Candidates are expected to have experience with one or more of the following: analysis and relocation of global earthquake catalogs, waveform inversion for source mechanism, simulation of wave propagation in a 3-D basin structure, strong motion seismology, or seismotectonics. Contact: Human Resources, Geomatrix Consultants, 2101 Webster Street, 12th Floor, Oakland, CA 94612; fax: 510/663-6361; e-mail: nsilverman@geomatrix.com.