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2010 - Fifth International Conference on Recent
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27 May 2010, 12:20 pm - 12:30 pm

Special Lecture - I. M. Idriss

Izzat M. Idriss

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Idriss, Izzat M., "Special Lecture - I. M. Idriss" (2010). *International Conferences on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics. 2.*

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Professor Idriss is one of the pioneers in the Geotechnical Earthquake Engineering field, and has done fundamental and applied research related to geotechnical earthquake engineering; soil mechanics and foundation engineering; earthfill and rockfill dam engineering; probabilistic applications to geotechnical problems; and numerical modeling. He joined the department in 1989 as Director of the Center for Geotechnical Modeling. Prior to that, he was a principal at Woodward-Clyde Consultants.

Dr. Idriss is the recipient of many notable awards and prizes from ASCE, including the H. Bolton Seed Memorial Prize, the Norman Medal, the Walter L. Huber Civil Engineering Research Prize, the J. James Cross Medal, and the Thomas A. Middlebrooks Award.

He serves as a member of the Seismic Advisory Board for the California Department of Transportation, the Seismic Research Advisory Panel of the California department of Transportation, the Governor's Board of Inquiry to investigate the collapse of the Cypress section of I-880 and the damage to the Bay Bridge during the 17 October, 1989 Loma Prieta earthquake, and the Consulting Board for Earthquake Analysis for the Division of Safety of Dams, Department of Water Resources, State of California.

Select Publications

Boulanger, R. W., and Idriss, I. M. (2006). "Liquefaction susceptibility criteria for silts and clays." *Journal of Geotechnical and Geoenvironmental Engineering*, ASCE, 132(11).

Idriss, I. M., and Boulanger, R. W. (2006). "Semi-empirical procedures for evaluating liquefaction potential during earthquakes." *Journal of Soil Dynamics and Earthquake Engineering*, Elsevier, 26, 115-130.

Hutchinson, T. C., Chai, Y. H., Boulanger, R. W., and Idriss, I. M. (2004). "Inelastic seismic response of extended pile-shaft-supported bridge structures." *Earthquake Spectra*, Earthquake Engineering Research Institute, 20(4), 1057-1080.

Idriss, I. M. (1999). "An update to the Seed-Idriss simplified procedure for evaluating liquefaction potential." *Proc., TRB Workshop on New Approaches to Liquefaction*, January, Publication No. FHWA-RD-99-165, Federal Highway Administration.

Fiegel, G. L., Kutter, B. L., and Idriss, I.M. (1998). "Earthquake-Induced Settlement of Soft Clay." *Proc. Centrifuge 98*, Balkema, Rotterdam, Vol. 1, pp. 231-236, 1998.