

CENTER FOR INFRASTRUCTURE Engineering Studies

UTC **ETT168**

GeoMO 2006 – Soil Strength and Slope Stability

by

Rick Stephenson

A University Transportation Center Program at Missouri University of Science & Technology

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PROJECT REPORT

Event Date: May 19, 2006

The event attracted 90 professional and academic attendees from Missouri and the neighboring states. The speakers arrived to Rolla on time and ready to deliver 6 hours of instruction. Certificates of completion were issued for each participant with the corresponding PDH credits.

THE SUBJECT AND WORKSHOP:

GeoMO 2006 –Soil Strength and Slope Stability

This Fourth Annual Missouri Geotechnical Conference will feature lecturers Dr. J. Michael Duncan, P.E. of Virginia Tech and Dr. Stephen G, Wright, P.E. of the University of Texas at Austin. Dr. Duncan and Dr. Wright are well known experts in the geotechnical community and co-authored the recently published book, *Soil Strength and Slope Stability*. Dr. Wright also serves as the current President of the Geotechnical Institute of ASCE.

The conference will explore the determination of the appropriate soil properties of slopes for input into slope stability models, characterization of groundwater and pore-water pressures, the selection of analytic algorithms for the modeling of the slope, and the techniques that can be used for quality control of the results of analyses.

The Lecturers:

Dr. J. Michael Duncan, P.E., Virginia Polytechnic Institute and State University

Dr. Duncan is University Distinguished Professor of Civil and Environmental Engineering and Director of the Center for Geotechnical Practice and Research (CGPR) at Virginia Polytechnic Institute and State University in Blacksburg. Professor Duncan has authored more than 200 publications and several major computer programs on settlement, slope stability, and dams. He has received the ASCE State-of-the-Art of Civil Engineering Award (1991), the Wellington Prize, the Middlebrooks Award, the Westinghouse Award, Huber Research Prize and the Collingwood Prize. He has presented the Terzaghi Lecture as well as the Bjerrum Memorial Lecture. He is a member of the National Academy of Engineers. He is the coauthor with Stephen G. Wright of <u>Soil Strength and Slope Stability</u>, John Wiley and Sons, 2005.

Dr. Stephen G, Wright, P.E., University of Texas at Austin.

Dr. Wright is the Brunswick-Abernathy Regents Professor in Soil Dynamics and Geotechnical Engineering in the Department of Civil Engineering at the University of Texas at Austin. He also currently serves as President of the American Society of Civil Engineers Geo-Institute. His area of specialization is slope stability and the shear strength of soils. He is the author or co-author of numerous papers and research reports on these subjects and is the co-author with Mike Duncan of the recent book, Soil Strength and Slope Stability. He is also the author of the series of slope stability software known as UTEXAS2, UTEXAS3 and UTEXAS4.

Conference sponsors include the Geotechnical Committee of the St. Louis Section, ASCE and numerous firms in Missouri.