

# GEO MO 2003

## Deep Foundations for Transportation Structures

UMR

September 11, 2003 • University of Missouri-Rolla

### THEME

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#### *Design & Construction of Drilled Shafts and Driven Piles*

Issues important to design, construction and performance of both drilled shafts and driven piles will be presented.

### SCHEDULE

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8:15A.M. Check-in & Final Registration

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#### DR. DAN BROWN

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9:00A.M. Introduction — Brief history of drilled foundations in transportation practice

10:00A.M. *Design and Installation of Drilled Foundations for Transportation Practice.*

11:00A.M. *QA/QC of Drilled Foundations*

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12:00P.M. Luncheon — provided

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#### DR. JAMES LONG

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1:30P.M. Installation of driven piles  
Effects of installation on surrounding ground  
Installation of piling in difficult ground conditions

2:30P.M. Axial behavior of piles and pile groups  
Predictive methods  
Comparison of predicted and measured capacity

3:30P.M. Lateral load behavior of piles and pile groups  
Single piles, effects of cyclic loading, ground movement and group effects

4:30P.M. Panel Session

5:00P.M. Conference Closes

### SPEAKERS

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#### DAN BROWN — Auburn University

Dan Brown, Ph.D., is a Gottlieb Professor of Civil Engineering at Auburn University. The author of numerous papers on deep foundations, he is a past recipient of the ASCE Huber Prize for his research on pile foundations. Dr. Brown is a past chairman of the ASCE Deep foundations committee and a past chairman of the ASCE International Deep Foundations Congress. Dr. Brown earned his PH.D. from the University of Texas.

#### JAMES H. LONG — University of Illinois

Associate Professor of Civil and Environmental Engineering at the University of Illinois and Director of the Harry J. Schnabel, Jr. Large Soil Model Test Laboratory, Dr. Long has research interests focused on soil-structure interaction such as behavior of axially and laterally loaded foundations, use of load test data base for reliability-based design, earthquake engineering, mechanically stabilized earth and earth support systems, and ground improvement methods and their effect on structures. He is actively involved in conducting both field and model-scale tests for foundations and excavations. Dr. Long teaches classes on driven piling and drilled shafts that are offered nationwide by ASCE and FHWA. He serves on the committee for developing Driven Pile Installation Specifications and for the Pile Driving Contractors Association.

### PROFESSIONAL DEVELOPMENT HOURS

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Individuals attending program will receive certificate documenting 6.0 hours of Professional Development.

### SPONSORS

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University of Missouri-Rolla, American Society of Civil Engineers, Association of Engineering Geologists

### FOR MORE INFORMATION

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# REGISTRATION

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## LOCATION

University of Missouri-Rolla campus  
Civil, Architectural and Environmental Engineering  
Butler-Carlton Hall • Room125

*Parking and area information will be provided upon registration*

## REGISTRATION FEE — \$100

Registration includes program material, refreshments and lunch.

## LUNCH

Held in Kummer Atrium of the newly-rennovated Butler-Carlton Civil, Architectural and Environmental Hall. Following lunch, there will be an official opening of the Geotechnical Engineering Laboratories and tours of the building.

## DETAILS

\$100 registration fee

Please make check, money order, or purchase order payable to the University of Missouri-Rolla. Mail or fax completed form to:

Distance & Continuing Education  
University of Missouri-Rolla  
103 ME Annex Building  
1870 Miner Circle  
Rolla, MO 65409-1560  
Phone: 573-341-4200  
Fax: 573-341-4992

Visit our website at: <http://campus.UMR.edu/dce/conferences/geomo>

## REGISTRATION INFORMATION

Mr.  Ms.

Name \_\_\_\_\_  
*Last First MI*

Company \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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## METHOD OF PAYMENT

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