

This Lecture Will Now Be Delivered as a Webinar.

Due to concerns with attending large gatherings during the Coronavirus outbreak, ASCE Met Section and DFI have decided to present this lecture as a webinar so that attendees can still hear and learn from the lecture and receive a professional development hour* for attending.

*Each person wishing to receive a PDH certificate must separately register and login to hear the lecture.

PRESENTS:

6th RA Engineering Lecture

TOPIC:

“The Application of Drilled Displacement Elements for Liquefaction Mitigation and Foundation Improvement.”

SPEAKER:

Willie M. NeSmith

DFI - Traveling Lecturer

A WEBINAR

WHEN:

Thursday, March 12, 2020

Lecture: 6:00 p.m.

Sign Up At

www.dfi.org/dfieventlp.asp?13425

***One Professional Development Hour (PDH) is applied for \$15 fee for non-members**

For more information, contact Mike McNicholas at 201-401-1084

or

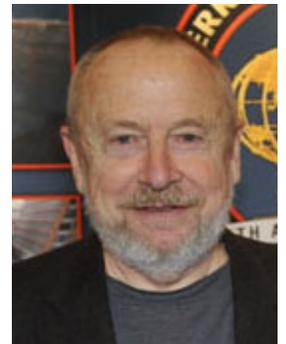
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LECTURE SUMMARY

When drilled displacement piles are installed in material that exhibit granular behavior, there is a significant increase in the density in the vicinity of the piles. The increase is most pronounced in loose to medium dense materials and can be utilized to mitigate liquefaction and increase the foundation response stiffness of the mass of the material penetrated. Case histories are presented wherein ground improvement elements were installed using drilled displacement pile processes to mitigate liquefaction and increase allowable foundation loading.

The Speaker:

Willie M. NeSmith, P.E., is the former chief geotechnical engineer for Berkel & Company Contractors. NeSmith received a B.S. in civil engineering from the Georgia Institute of Technology in 1974, and for the following 25 years worked as a consulting geotechnical engineer on projects in the U.S., the Middle East and Africa. He began to specialize in deep foundations in 1990, and joined Berkel & Company in 1999,



after serving as a consultant for implementation of Berkel's displacement pile system. He is a leading authority on the design and installation of cast-in-place displacement piles in the U.S., having designed or evaluated over 200 displacement pile projects nationwide. NeSmith has authored over 20 professional publications and is a past member of the DFI Augered Cast-in-Place (ACIP) Pile Committee. He also served as the lead instructor for the DFI ACIP Short Course. NeSmith received his first professional registration in Georgia in 1978.

Upcoming Geo-Institute Chapter Events:

- Wednesday, 4/15/20–18th Annual William Barclay Parsons Lecture
- Thursday, 5/07/20 – 44th Annual May Seminar

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