



## Webinar on Pile Driving Hammer Performance

### Who should attend:

Geotechnical, structural and construction engineers; contractors, hammer and/or pile manufacturers and/or distributors; pile researchers and students interested in an introduction to hammer performance measurements and the wave equation analysis approach.

### Certificate of Participation

This program corresponds to 1.5 Professional Development Hours. A Certificate of Participation documenting the number of hours of instruction (PDH) will be provided to those that take a short quiz at the end of the webinar. Check with your engineering board of registration for their continuing education requirements.

### When: Tuesday, December 11, 2018

This session will begin at 9:00 am Eastern Time (New York Time) and typically last 1.5 hours. Sessions may last up to a maximum of 2 hours depending on the number of questions from participants. Questions from participants have to be submitted during the webinar in written form (use chat-box or email) and will either be discussed during the seminar or in personal communication depending on the general interest of the question.

**You will have the opportunity to learn from Dr. Frank Rausche without having to leave your desk.**

**Lecturer: Dr. Frank Rausche**, is a principal of Pile Dynamics, Inc. He has been involved in the research and development of dynamic testing and analysis methods since the mid-1960s, first as a researcher at Case Western Reserve University, where he derived the Case Method equations for dynamic pile testing and developed the CAPWAP® and GRLWEAP software, and later as a consultant.

### Learning Objectives:

At the conclusion of the webinar attendees will be able to:

- Describe three different types of pile driving hammers and their operation
- List at least three different types of hammer performance monitoring methods
- Develop models for common hammer types in a wave equation analysis
- Assign hammer efficiency values to different hammer types based on the performance measurements.

### Syllabus

- Hammer types
- Lead types
- Hammer working principles
- Driving system components
- Measuring hammer performance
- Energy considerations and hammer efficiency
- Examples of measured and calculated hammer-pile-soil performance

### Registration Information:

Cost: \$150.00 per connection. Space is limited. Pre-payment by credit card is required. To register, please email completed registration form (next page) to [Registration@pile.com](mailto:Registration@pile.com).



Webinar on Pile Driving Hammer Performance Registration Form (Please email form to Registration@pile.com)

1 session of at least 1.5-2 hours long on December 11, 2018 at 9:00 AM Eastern Time (New York Time)

Registration must be received on or before December 10, 2018

One registration is necessary for each "site", which requires internet access of one computer plus a telephone connection. The registered site will be furnished with a user name and password plus conference call information. Site fee includes an unlimited number of participants and four Certificates of Participation. Additional certificates are \$10 each.

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SHIPPING ADDRESS (for certificate of participation) Check if same as Billing Address [ ]

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Pre-Payment by credit card is required. Site Registration for 1 Pile Driving Hammer Performance Webinar: \$150.00

Number of Additional Certificates at \$10 Each \_\_\_\_\_ Total \$ \_\_\_\_\_ (4 certificates included in fee)

I am pre-paying by: [ ] VISA [ ] MasterCard [ ] American Express [ ] Discover

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Refund Policy: Cancellations are accepted only before the start of the first session of the Webinar; paid fee will be applied in full to a future Webinar.

Name of Participant(s), (Must be registered and complete quiz to receive Certificate of Participation).

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