

1-Day Event

Basics of Design of Piled Foundations Seminar

Date : 21 November 2018
Place : The Green Park Hotel Bostancı, İstanbul
Organiser: GEOgrup İnşaat A.Ş.

We are pleased to invite you to our forthcoming seminar on “Basics of Design of Piled Foundations” that will take place in Green Park Hotel Bostancı, İstanbul, Turkey.

Course fee: 2000 TL + KDV per participant

Presenter: Bengt H. Fellenius, Dr.Tech., P.Eng., Canada

This one-day event addresses the practice of piled foundation design. What data one must pull together and what processes of analysis and calculations necessary for a design of a specific project are presented. Negative skin friction and associated drag force and downdrag are emphasized along with settlement analysis. Various methods and aspects of determining pile capacity are presented and discussed. It is shown that the design emphasis should be on how to determine expected settlement and how to base a design on settlement. Indeed, the seminar makes it clear that deep foundation design involves a good deal more than finding some value of capacity.

The presentation includes both broad generalities and in-depth details. Specifics of where to install instrumentation, perform a test, and analyze the test data are addressed. Settlement analysis is of vital importance to the design of piled foundations, and the course addresses principles and mechanics of settlement analysis. How to consider and compare straight-shaft piles to piles with changing cross section, e.g., expanded base piles, open- vs. closed-toe pipe piles, is also addressed. Brief comments are

given on some Code and Standards requirements for Limit States Design, LSD, (Ultimate Limit States, ULS, and Serviceability Limit States, SLS, by Canadian terminology, and Load and Resistance Factor Design, LRFD, by US terminology). The lectures are illustrated with case history examples throughout. Much emphasis is placed on the design and performance of pile groups and piled raft foundations.

To simplify following along the flow of the presentation and taking notes, printed hand-out course notes are provided, consisting of all Power Points slides, six to a page. Full-size color copies are available online: [\[http://www.fellenius.net/\]](http://www.fellenius.net/). The files can be downloaded from the link [/Lectures]. Note, the link is hidden and has to be typed into the command line ("command ribbon").

The slides contain only a minimum of text. For a background and explanation to much of the presentations, refer to the text book "Basics of Foundation Design" (recently updated) also available for downloading from the web site (the file is called "383 The Red Book_Basics of Foundation Design.pdf" (also available in Spanish). After downloading, the book can be viewed and read on-screen or be printed (color or black & white) without any restriction. A soft-cover bound black-and-white printed copy can be ordered from PileBuck Magazine. The book contains a list of references pertinent to the material presented in the course. Copies of the referenced papers where I am the author or co-author are available for downloading at the web site (click on the link "Download Papers").

Seminar Schedule

- Analysis of Load Transfer, Capacity, and Response to Load
- The Static Loading Test: Performance, Analysis, and Instrumentation
- Piles and Pile Groups — Long-Term Behavior and how we know what we know
- The Unified Design Method
- Questions and Discussions

CONDITIONS

- The seminar will be in English.
- The total number of participants is limited to thirty (30).
- Registration will be accepted in the order in which they are received. Participants who require a visa are suggested to register early. To register for the course, please complete the registration form and send it to the course organiser.
- Directly after registration participants will receive a letter of confirmation, travel suggestions and additional information.
- Course fee includes lecture notes, two coffee breaks and lunch.
- Cancellation of course registration with refund of the 25% of course fee will be accepted by the organizers in writing, if it is received no later than 4 weeks before the start of the course. No refund can be given for cancellation after that date or in case of no-show.
- In case the course is cancelled by the organiser the fees for the course will be fully refunded.

REGISTRATION FORM

I would like to register the following seminar:

Course fee

Basics of Design of Piled Foundations	2000 TL + KDV (%18)
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Surname : (Male / Female)

Name :

Company / Institution :

Address :

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Telephone :

Fax :

E-mail :

Date:/...../.....

Signature

I will pay by;

- Bank transfer
- Credit card

Card Holder's Name-Surname :

Credit Card No :

Expiry Date :

CVC Code :

Bank :

Credit Card : Master Card Visa American Express

Please fill the registration form and send it to info@geogrup.com.tr via e-mail.