Otte

GeoStudio Standard (SLOPE/W, SEEP/W, SIGMA/W)

Introductory Hands-on Training

The objective of this course is to provide users with an introduction to modeling techniques in GeoStudio Standard. Key features essential for proper usage of the software is covered. Participants should be more comfortable in maneuvering with the available tools and find it easier to 'get started' after this course.

COURSE OUTLINE

Part 0: Introduction to GeoStudio Standard Suite

- Integration of SLOPE/W, SEEP/W and SIGMA/W
- Using analysis results from one engine to another
- Multiple analysis on the same model/geometry
- Examples with Integration

Part 1: SLOPE/W: Slope Stability Analysis

- Factor of Safety Approach
- Method of Slices
- Defining a stability problem
- Soil Material Properties
- Pore-water pressure options
- Analysis: Slip Search Methods: Entry-Exit, Grid-Radius
- Analysis Method: Janbu, Bishop, Ordinary, Morgenstern-Price, Spencer, GLE
- Optimization of Slip Surface
- Drawing a line/point surcharge/tension crack options filled/not filled with water
- Reinforcement: pile, anchor, soil nails, geofabric
- Safety Map
- Sensitivity analysis: piezometric line; soil parameters
- Graph Plotting: Strength vs Mobilised Shear

Part 2: SEEP/W: Groundwater Seepage Analysis

- Finite Element Seepage Modeling in GeoStudio
- Meshing: Quadrilateral, Triangular, General
- Mesh Refinement point, line, regions
- Steady State Seepage Analysis in SEEP/W
- Saturated/Unsaturated Soil Model
- Defining a hydraulic conductivity function
- Defining and assigning hydraulic boundary conditions
- Viewing pore water pressure contours/flow vectors
- Flux Vectors
- Transient Flow Example

Part 3: SIGMA/W: Stress and Deformation Analysis

- Linear Elastic Analysis in SIGMA/W
- Sequential Construction using Cloning and using results from parent analysis
- Defining Insitu and Load/Deformation Analysis
- Generating Interface Elements with different soil properties
- Defining and assigning Stress/Strain Boundary Conditions
- Add/Remove Regions (Excavation/Fill)
- Viewing X and Y Displacement/Stresses
- Drawing Customized graph contours of results from finite element nodesand Beam elements

SPEAKER PROFILE

Register by 15th March 2018 to enjoy Early Bird Rate!

CHOO, JUNE SHYAN *P.E.*
MSCE, MPW, BSCE
M.ASCE (USA), M.SEI (USA), MIES, MSSSS

Er. Choo is a Singapore Registered Professional Engineer with many years of consulting experience both in Singapore and USA. In USA, he was a consultant with Dietrich Industries, Inc. and designed many Light-gage steel frame structures scattered over USA. He also spearheaded Dietrich Industries's first IT project worth USD 4 millions which enable their engineers to model, analyze and design any steel structures in 3D with automatic shop drawing generation. In Singapore, he was a consultant at CPG Consultants Pte Ltd where he designed and supervised many building projects.

He is currently the Technical Director of Otte Utama (M) Sdn Bhd, which specializes in advanced and innovative IT solutions for Building, Structural and Geotechnical Engineering professionals. He has extensive experience in computer-aided analysis and design with advanced engineering software. He has conducted numerous training courses and seminars in Singapore, Malaysia and overseas.

Er. Choo graduated with Master of Public Works and Master of Science in Civil Engineering with a Full Academic Merit Scholarship from University of Pittsburgh, Pittsburgh, Pennsylvania, USA. He was awarded the Chi Epsilon (National Civil Engineering Honor Society, USA) scholarship in the Metropolitan District, the National Dean's List and School of Engineering Dean's List in his undergraduate studies in the same university.

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GeoStudio Standard
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COURSE INFORMATION

GeoStudio Standard (SLOPE/W, SEEP/W, SIGMA/W) Introductory Hands-on Training

Date: **03rd April 2018 (Tue)**

Time: **9.00 am - 5.00 pm (Registration Start 8.30 am)**

Venue: **#13-06, Level 13, Menara MBMR, No.1, Jalan Syed Putra, 58000 Kuala Lumpur, Malaysia.**

Fee: **Early-bird registrations received by 15th March 2018:** **RM668.00 (incl. 6% GST)**

For registrations received after 15th March 2018: **RM893.00 (incl. 6% GST)**

Notes: **Participants are required to bring their own laptops with networking capability.**

Terms and Conditions

a) Seats are limited. Registration is on a first-come-first-served basis. Training places will be confirmed upon receipt of payment.

b) All cancellation of registration must be made in writing. If you are unable to attend....

i) you will receive 90% refund of the registration fee if cancellation is received in writing more than 14 days before the event.

ii) you will receive 75% refund of the registration fee if cancellation is received in writing within 7 - 14 days before the event.

c) **Cancellations will not be accepted within 7 working days of the course start date. However, a substitute delegate is welcome at no additional charge.**

REGISTRATION FORM

Organization: ..... **Department:** .....

Address: .....

Person in charge *(Ir/Dr/Mr/Ms)*: ..... **Job Title:** .....

Email: ..... **Tel** (O): ..... (HP): ..... **Fax:** .....

Participants' Names: *Please write clearly as it will be printed on the Certificate of Attendance*	**PE No. :**	**Job Title:**	**Email:**
(Ir/Dr/Mr/Ms).....	.....	.....	.....
(Ir/Dr/Mr/Ms).....	.....	.....	.....
(Ir/Dr/Mr/Ms).....	.....	.....	.....
(Ir/Dr/Mr/Ms).....	.....	.....	.....
(Ir/Dr/Mr/Ms).....	.....	.....	.....

I hereby agree to abide by the terms and conditions stated above.

(Signature & Company Stamp)

Please fax the completed registration form to 03 2260 2163 or mail to mysales@ottegroup.com.

An invoice & confirmation email will be sent to you upon receipt of your fax registration.

For enquiries, please contact us at (Tel) ***03 2260 2168*** *or (Email)* ***mysales@ottegroup.com***

Otte Utama (M) Sdn Bhd (650546T)
#13-06, Level 13, Menara MBMR, No.1, Jalan Syed Putra, 58000 Kuala Lumpur, Malaysia.
T +603 2260 2168 **F** +603 2260 2163 **E** mysales@ottegroup.com www.ottegroup.com