



Bangkok 2020

Geotechnical Modeling Workshop

1 to 3 April 2020



*Geotechnical and Earth
Resources Engineering
Asian Institute of Technology*



About the Workshop

Asian Institute of Technology (AIT) and GEO-SLOPE International LTD invite you to join us in Bangkok, Thailand this April for our upcoming workshop. This three-day training event includes a two and half day hands-on training and a half day case study session. The workshop is designed for all experience levels and includes sessions on SLOPE/W, SEEP/W, and SIGMA/W Programs.

Benefit of Attending the Workshop

- Immerse yourself in GeoStudio modeling
- Increase your understanding of geotechnical theory and fundamentals
- Collaborate with experienced GEO-SLOPE engineers and other professionals from diverse backgrounds.

Comments from Past Participants

“The workshop was an excellent experience! The presenters really knew their stuff and made the whole thing very engaging and streamlined. The workshop was very enjoyable experience.”

“The workshop was a great introduction to modeling for those looking to further their education.”

“This workshop decreased my learning curve considerably... it is excellent and a must for any serious GEO-SLOPE software user.”

Tentative Work Schedule

(subject to change)

Day One (1st April)

SLOPE/W I
Basic theory and features

- Methods of analysis
- Geometry
- Material properties
- Slip surface options
- Pore-water pres-sures
- Line loads

SEEP/W I
Basic theory and features

- Steady-state analysis
- Darcy’s Law
- Boundary conditions
- K-functions
- VWC functions
- Geometry
- Finite element meshing
- Integration of steady-state SEEP/W PWP in SLOPE/W

Day Two (2nd April)

SLOPE/W II
Advanced theory and features

- Reinforcement fun-damentals
- Finite element stresses
- Seismic loads
- Probability and sen-sitivity

SEEP/W II
Advanced theory and features

- Transient theory and features
- Transient boundary conditions
- Integration of tran-sient SEEP/W PWP in SLOPE/W
- Introduction to SEEP3D

Day Three (3rd April)

SIGMA/W I
Basic theory and features

- Stress and defor-mation
- Soil strength models
- Staged construction
- Integration of finite element stresses in SLOPE/W
- Consolidation
- PVD in soft soils

CASE STUDIES
The following guest speakers were invited to share their significant experience in numerical modeling to the attendees:

- Dr. Warakorn Mairaing (Kasetsart University)
- Dr. Suttisak Sorakump (Kasetsart University)
- Dr. Chanchai Srisutam (Royal Irrigation De-partment)
- Dr. Krit Saowiang (Asian Institute of Technolo-gy)

Course Instructors

Dr. Sidney Lee Barbour is a technical advisor for GEOSLOPE, and is a Professor Emeritus at the Department of Civil, Geological and Environ-mental Engineering, University of Saskatchewan.

Dr. Curtis Kelln joined GEOSLOPE in 2008 after completing his Ph.D and now is our Vice President of Research and Development at GE-OSLOPE.

Guest Speakers

Dr. Warakorn Mairaing is a Distinguished Teaching Associate Professor at the Department of Civil Engineering, Kasetsart University. Dr. Warakorn was a founder and the director of Ge-otechnical Engineering Research and Develop-ment Center.

Dr. Suttisak Sorakump is an Associate Professor at the Department of Civil Engineering, Kasetsart University. He is also the President of the Thai Geotechnical Society and the Southeast Asian of Geotechnical Society. Dr. Suttisak is currently the director of Geotechnical Engineering Research and Development Center.

Dr. Chanchai Srisutam is a Senior Professional Engineer at the Office of Topographical and Geotechnical Surveys, Royal Irrigation Department, Bangkok, Thailand.

Dr. Krit Saowiang is a professional geotechnical engineer. He has completed his Ph.D. study at the Geotechnical and Earth Resources Engineering field, Asian Institute of Technology.

Dates and Location

Dates: 1st to 3rd April 2020
Place: The Sukosol Hotels (Kamolmart room)
Address: 477 Si Ayuthaya Rd., Phaya Thai Bangkok 10400, Thailand
GPS: 13° 45' 28.00" N 100° 32' 8.69" E

To Register

Mail: gtelab.ait.mail@gmail.com
Tel: 02-524-5505
Fax: 02-516-2126

Participants must bring their own laptop computer
The GEO-SLOPE will provide individual training licenses for each attendee prior to the workshop.

- Price includes:
- Full registration
 - Lunch, coffee, tea, refreshments
 - Dinner Reception and Networking on 1st April

Registration Form

☐ Prof. ☐ Dr. ☐ Mr. ☐ Ms. ☐_____

Name: _____

Position: _____

Organization/Company: _____

Mailing Address: _____

Telephone/Mobile: _____

Email: _____

- Fees**
- ☐ THB 8,000 (Government/University)
 - ☐ THB 10,000 (SEAGS/ATIAA)
 - ☐ THB 12,000 (Private Company)

I intend to participate in the above workshop.
☐ is enclosed (Bank draft or Money order)
☐ will be sent (Receipt of Bank Transfer)
☐ will be paid upon arrival

Account Name: Asian Institute of Technology
Account No.: 468-046301-2 (Current account)
or 405-999567-0 (Saving account)
Bank Address: Siam Commercial Bank Co., Ltd.
Thammasart Uni. Hospital Branch
Swift Code: SICOTHBK

Please return this form together with remittance to:
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Asian Institute of Technology
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Thailand