

Numerical Modeling in Geotechnical Engineering

Summer Workshop, July and August 2014

Up to 7 PDH Credits

DATE

2, 9, 16, 23, 30 July 2014

6, 13 August 2014

6 pm to 7 pm

VENUE

Room 0044, Engineering Building, Southern Illinois University
Edwardsville, Edwardsville, IL

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WORKSHOP OBJECTIVES

The main subject of the workshop is the use of the numerical modeling in different geotechnical engineering topics. The computer exercises are performed with Itasca's FLAC™ code which is a prominent program for several geotechnical and mining purposes. During this workshop the following topics are going to be considered:

- Introduction to numerical modeling, finite difference method and the basic functionality of FLAC
- Finite difference modeling and basic topics of computational geotechnical engineering including geometry modeling, constitutive models, boundary conditions, solving and monitoring process
- Numerical modeling of shallow and deep foundations
- Numerical modeling of excavation and slope stability problems
- Numerical modeling of tunnels and underground excavations
- Seismic considerations in numerical modeling

The event is free. Please register here:

www.goo.gl/Z6X58Q



PRESENTED BY Siavash Zamiran

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