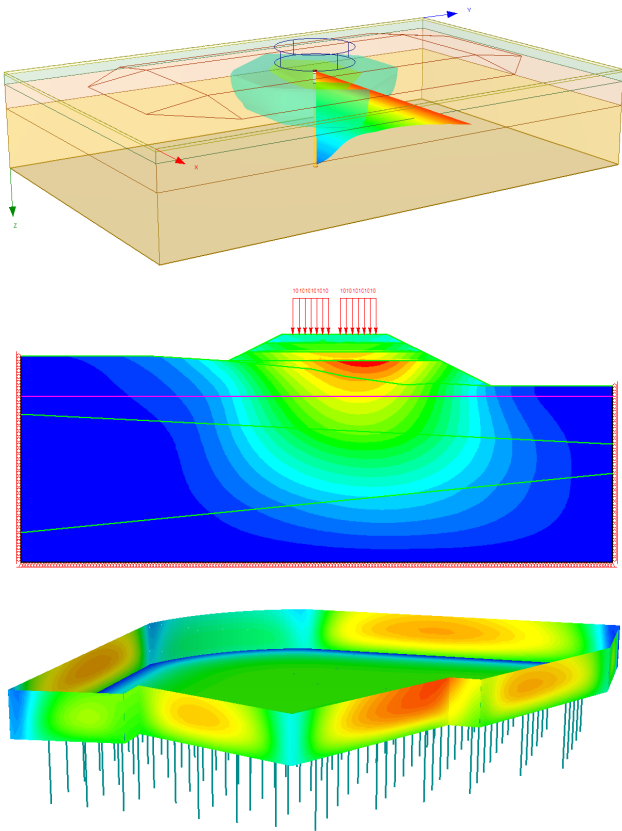


MEXICO CITY TWO DAY WORKSHOP

Rocscience Tools for Settlement Analysis in Soils

The objective of this course is to provide a background on numerical modelling for settlement analysis using various *Rocscience* software tools. Get the most out of the *Rocscience* suite (*Settle^{3D}*, *RS²* and *RS³*) through a balanced mixture of lectures and hands-on computer analysis using practical examples collected over the years.

November 13-14, 2017



Module I: Analysis of Settlement Under Foundations

- Stresses and settlement under footings in multilayered soils (*Settle^{3D}*)
- Rigid and Flexible footing analysis (*Settle^{3D}*)
- Accelerated technique for consolidation analysis (*Settle^{3D}*)

Module II: Groundwater & Consolidation Analysis

- Saturated-Unsaturated transient groundwater analysis (*RS²* and *RS³*)
- Permeability functions
- Boundary conditions
- Seepage analysis of staged excavations
- Consolidation analysis

Module III: Coupled and Uncoupled Settlement Analysis

- Non-linear elastic and plastic analysis for soil (*RS²*)
- Introduction to the Soil Hardening models (*RS²*)
- Undrained soil analysis (*RS²*)

Module IV: Pile, Raft, and Embankment Analysis

- Analysis of Piles (*RS³*)
- Piled raft foundations (*RS³*)
- Dams and embankments analysis (*RS³*)

Location:

Radisson Paraiso Perisur, Ciudad de Mexico

Cost:

USD \$850

\$100 early bird discount (valid until October 13th)

Includes:

Lunch and coffee breaks on both days
Rocscience suite for two weeks

Contact:

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This course is taught in English by
Dr. Thamer Yacoub, Rocscience President