

Register now for this very special event!

*In partnership with Knight Piésold Consultores S.A.,*

**GEO-SLOPE International Ltd.**

will be offering a

**Geotechnical Modeling Workshop in Lima, Peru, April 27-29, 2009!**

The three-day workshop will consist of focused sessions on SLOPE/W, SEEP/W SIGMA/W and QUAKE/W. Workshop time will be divided between lectures, working directly with the software, and group problem-solving discussions. Participants will be exposed to a general review of geotechnical theory, as well as appropriate and efficient numerical modeling strategies.

By attending the workshop, you can:

- Immerse yourself in hands-on numerical modeling and sharpen your skills
- Increase your understanding of geotechnical theory and fundamentals
- Collaborate with highly experienced GEO-SLOPE engineers and engineering professionals from several countries

**Learn and enhance your numerical modeling skills under the guidance of GEO-SLOPE personnel!**

*A tentative agenda is provided for your review below.*

**Details for Lima, Peru Workshop:**

Dates: **Monday April 27<sup>th</sup> - Wednesday April 29<sup>th</sup>, 2009**

Place: **Lima, Peru**

Fee: **USD \$995.00**

Price includes: Tuition, training materials, coffee breaks and lunches.

*Accommodation and morning and evening meals are not included in the registration fee.*

*Participants must bring their own laptop computer; that is, laptop computers will not be provided.*

Venue: **CENTRUM** - <http://www.centrum.pucp.edu.pe/> Lima's prestigious business school  
Jr. Daniel Alomía Robles 125-129 (antes calle 9) Urb. Los Álamos  
de Monterrico - Santiago de Surco, Lima, Peru

**All training will be provided in English, by experienced GEO-SLOPE International Ltd. engineers.**

**To Register:**

Complete the Registration Form and return it to GEO-SLOPE International Ltd. by:

Email: [training@geo-slope.com](mailto:training@geo-slope.com)

Fax: +1 403 266 4851

*Space is limited, so register soon! Payment must be received before booking can be confirmed.*

**For More Information:**

Contact GEO-SLOPE International Ltd. at [training@geo-slope.com](mailto:training@geo-slope.com), or to speak to our local conference organizer in Lima, please contact:

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*Recommendations regarding local accommodation will be provided to all registrants.*

**We look forward to having you join us in the beautiful city of Lima, Peru!**

The agenda for the Lima, Peru workshop is as follows (subject to change):

	Monday, April 27th	Tuesday, April 28th	Wednesday, April 29th
7:30-8:00	<i>Registration &amp; Software installation</i>		
8:00-10:15	<b>SLOPE/W I</b> Basic theory and features <ul style="list-style-type: none"> <li>▪ Methods of analysis</li> <li>▪ Geometry</li> <li>▪ Material properties</li> </ul>	<b>SLOPE/W II</b> Advanced theory and features <ul style="list-style-type: none"> <li>▪ Reinforcement fundamentals</li> <li>▪ Finite element stresses</li> <li>▪ Seismic loads</li> <li>▪ Seismic and Dynamic Stability</li> </ul>	<b>SEEP/W II</b> Advanced theory and features <ul style="list-style-type: none"> <li>▪ Transient theory and features</li> <li>▪ Transient boundary conditions</li> <li>▪ Time steps</li> </ul>
10:15-10:30	<i>Coffee Break &amp; Networking</i>		
10:30-12:00	<ul style="list-style-type: none"> <li>▪ Slip surface options</li> <li>▪ Pore-water pressures</li> <li>▪ Line loads</li> </ul>	<ul style="list-style-type: none"> <li>▪ Probability and sensitivity</li> <li>▪ Examples</li> </ul>	<ul style="list-style-type: none"> <li>▪ Seepage sensitivity</li> <li>▪ Integration of transient SEEP/W pwp in SLOPE/W</li> </ul>
12:00-1:00	<i>Lunch</i>		
1:00-3:15	<b>SEEP/W I</b> Basic theory and features <ul style="list-style-type: none"> <li>▪ Steady-state analysis</li> <li>▪ Darcy's Law</li> <li>▪ Boundary conditions</li> <li>▪ K-functions, VWC functions</li> <li>▪ Geometry</li> </ul>	<b>SIGMA/W I</b> Theory and features <ul style="list-style-type: none"> <li>▪ Stress and deformation</li> <li>▪ Soil strength models</li> <li>▪ Analysis types</li> <li>▪ Staged construction and excavation</li> <li>▪ Consolidation</li> </ul>	<b>QUAKE/W I</b> Theory and features <ul style="list-style-type: none"> <li>▪ Introduction to dynamic analysis</li> <li>▪ Material models and properties</li> <li>▪ Boundary conditions</li> <li>▪ Analysis types</li> </ul>
3:15-3:30	<i>Coffee Break &amp; Networking</i>		
3:30-5:00	<ul style="list-style-type: none"> <li>▪ Material models and properties</li> <li>▪ Finite element meshing</li> <li>▪ Integration of steady-state SEEP/W pwp in SLOPE/W</li> </ul>	<ul style="list-style-type: none"> <li>▪ Volume change</li> <li>▪ Soft soils construction</li> <li>▪ Heave and settlement due to water addition or removal</li> <li>▪ Integration of finite element stresses in SLOPE/W</li> </ul>	<ul style="list-style-type: none"> <li>▪ Numerical issues</li> <li>▪ Using QUAKE/W results in SLOPE/W</li> </ul>