

**Banff 2009 Workshop Tentative Agenda** (subject to change):

Monday, October 19	Tuesday, October 20	Wednesday, October 21	(optional) Thursday, October 22	
<b>Morning:</b>				
<p><b>SLOPE/W I</b> Basic theory and features</p> <ul style="list-style-type: none"> <li>▪ Methods of analysis</li> <li>▪ Geometry</li> <li>▪ Material properties</li> <li>▪ Slip surface options</li> <li>▪ Pore-water pressures</li> <li>▪ Line load</li> </ul>	<p><b>SLOPE/W II</b> Advanced theory and features</p> <ul style="list-style-type: none"> <li>▪ Reinforcement fundamentals</li> <li>▪ Finite element stresses</li> <li>▪ Seismic loads</li> <li>▪ Probability and sensitivity</li> </ul>	<p><b>SEEP/W II</b> Advanced theory and features</p> <ul style="list-style-type: none"> <li>▪ Transient theory and features</li> <li>▪ Transient boundary conditions</li> <li>▪ Time steps</li> <li>▪ Seepage sensitivity</li> <li>▪ Integration of transient SEEP/W pwp in SLOPE/W</li> </ul>	<p><b>TEMP/W</b></p> <ul style="list-style-type: none"> <li>▪ Introduction to thermal geotechnical analyses</li> <li>▪ Artificial ground freezing</li> <li>▪ Permafrost degradation</li> </ul>	<p><b>Study Hall*</b> Work on pre-created lessons or your own models with guidance and support from GEO-SLOPE engineers</p>
			<p><b>Tips &amp; Tricks</b></p> <ul style="list-style-type: none"> <li>▪ Using the user interface of GeoStudio 2007 effectively</li> <li>▪ Importing and exporting pictures, data, results</li> </ul>	
<b>Afternoon:</b>				
<p><b>SEEP/W I</b> Basic theory and features</p> <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> <li>▪ Finite element meshing</li> <li>▪ Integration of steady-state SEEP/W pwp in SLOPE/W</li> </ul>	<p><b>SIGMA/W I</b> Basic theory and features</p> <ul style="list-style-type: none"> <li>▪ Stress and deformation</li> <li>▪ Soil strength models</li> <li>▪ Staged construction</li> <li>▪ Slip elements</li> <li>▪ Beams and bars</li> <li>▪ Integration of finite element stresses in SLOPE/W</li> </ul>	<p><b>SIGMA/W II</b> Advanced theory and features</p> <ul style="list-style-type: none"> <li>▪ Consolidation</li> <li>▪ Volume change</li> <li>▪ Wick drains</li> <li>▪ Soft soils construction</li> <li>▪ Heave and settlement due to water addition or removal</li> </ul>	<p><b>QUAKE/W</b></p> <ul style="list-style-type: none"> <li>▪ Introduction to dynamic analysis</li> <li>▪ Using QUAKE/W results in SLOPE/W to estimate permanent deformation</li> </ul>	<p><b>Using Add-Ins</b> How to develop Add-In functions to expand the functionality of GeoStudio</p>
			<p><b>VADOSE/W</b></p> <ul style="list-style-type: none"> <li>▪ Introduction to climate coupled seepage analyses</li> <li>▪ Application of engineered soil covers</li> </ul>	<p><b>Study Hall*</b></p>

\*Study Hall is not intended to be a consulting session. Discussion with GEO-SLOPE engineers will be subject to their availability.

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