



1-DAY ADVANCED WORKSHOP

Title:	SVDESIGNER™ & SVSLOPE® Training Workshop
Instructors:	Todd Myhre, B.Sc., Lead Developer, SoilVision Systems Ltd TBD
Dates:	February 12
Duration:	8:30am to 4:30pm
Cost:	\$765 USD
Location:	Montreal, QC
Venue:	Delta Hotel Montreal, 475 President Kennedy Ave,

KEY TOPICS

- Focus on mining solutions
- 3D stability analysis of tailings dams and open pits
- Focus on Limit Equilibrium Methods (LEM)
- Simplified 3D model creation in minutes or hours
- Handling complex intersecting geo-strata and topology and using material volumes in 3D models

Overview:

SVDESIGNER™ is a powerful new 3D conceptual modeler and visualization tool for the geotechnical and hydrogeological fields. One of the most difficult aspects of designing three-dimensional models is the manipulation of three-dimensional geometry. Whether it is the representation of complex geo-strata or the representation of geotechnical designs such as roads, embankments, or tailing dams – such structures are often most suited for three-dimensional analysis but are difficult to describe to the computer. SVDESIGNER™ is a three-dimensional conceptual design tool for geotechnical engineers. It can import three-dimensional geometry in most standard formats such as AutoCAD DXF files.

SVSLOPE® is the most advanced 3D Slope Stability Analysis Software available. Advanced searching methods are implemented to correctly determine the location of the critical slip surface. Powerful 2D or 3D analysis is possible for increased accuracy in the calculation of the factor of safety. Advanced probabilistic analysis or accommodation of spatial variation is possible with the software. SVSLOPE® can be combined with SVFLUX™ to import pore-water pressures or SVSOLID™GT to import soil stress conditions.

The course is designed for practicing geotechnical and mining engineers that want to utilize the benefit of 3D numerical modeling for increasing the capabilities of their consulting firm or university research. The course also introduces the new SVOFFICE™5/GT Geotechnical Analysis Suite, which brings new and improved cutting edge 3D analysis capabilities to the practicing geotechnical engineer. Participants are invited to bring their own laptops to the course. They will be provided with copies of the SVOFFICE™5/GT software to follow along during the short course. 50% of the cost of the short course can be applied to subsequent software purchases made within the following 6 months.

COURSE DETAILED OVERVIEW

SVDESIGNER™ & SVSLOPE®

AM SVDESIGNER

- SVOFFICE™5/GT – What's changed?
- Conceptual model design using SVDESIGNER™
- Managing complex 3D geometry

- Example 3D conceptual model of tailings dam and facility

PM SVSLOPE

- Overview of 3D slope stability analysis – why do it?
- Basic theoretical overview of 3D slope stability analysis
- What are typical variations between 2D and 3D analysis?
- Earth slope 3D slope stability analysis
- Open pit: 3D slope stability analysis

INSTRUCTORS BIOS



Todd Myhre, B.Sc.
Lead Developer, SoilVision Systems Ltd.

Todd is the primary developer behind the new SVDESIGNER™ conceptual 3D model building software. He has experience in working with large datasets and brings to the table experience in the construction of large numerical models based on multiple triangulated surfaces for open pit slope stability applications. Todd will be covering the use of SVDESIGNER™ related to the building of complex 3D mining-related structures for subsequent use in slope stability or seepage numerical models.



Mitchell Bauche, B.Sc.
Sales Engineer, SoilVision Systems Ltd.

Mitchell is a Sales Engineer at SoilVision Systems Ltd., working at their main office in Saskatoon, Canada. He recently obtained his B. Sc. Geological Engineering from the University of Saskatchewan and continues to learn in the field of geotechnical engineering. He is competent working with geo-modeling software, having a background working with various numerical modeling programs. At SoilVision, he currently works on various projects to improve SoilVision software. His main contributions are the demonstration of SoilVision software, the understanding of product functionality, and interacting with software users.