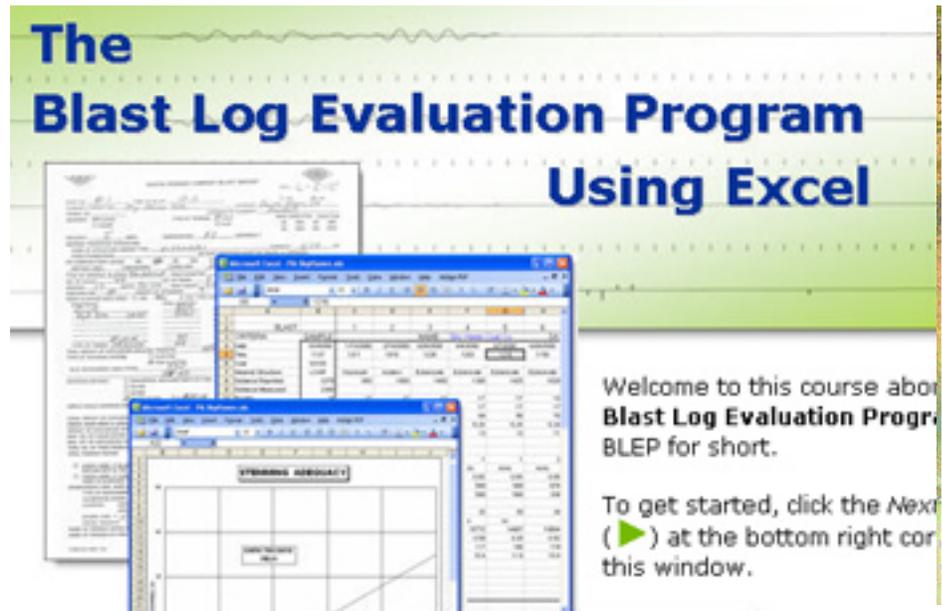




TIPS

Technical Innovation
and Professional
Services



TIPS Online Training

We are constantly seeking different approaches to expand our training services and increase the satisfaction of our learners. TIPS online courses provide our students with additional choices and resources to enhance their expertise using TIPS software.

Galena Slope Stability and **Blast Log Evaluation Program Using Excel** online courses are currently available to our customers.

Galena Slope Stability online course uses mining-related slope stability projects to demonstrate the use of the Galena slope-stability analysis software. Basic methodologies and analytical tools are covered and the student is offered plenty of mining scenarios with which to practice using the software. The self-paced instruction on mining-oriented slope-stability problems is a great way for new users to learn the software, and for experienced users to refresh their knowledge. The online course is intended for engineers and geology professionals with a slope stability background.

Blast Log Evaluation Program Using Excel online course compares and interprets blast log data using Microsoft Excel. Blast log data in Excel is used to cross tabulate fields for accuracy and compare relationships with accepted industry blast design parameters and vibration propagation norms. Burdens, spacings, hole depths and explosive types are used to calculate charge weights, powder factors, and scaled distances for comparison with blast vibration monitoring data. Compliance with the rules and prediction of vibrations are discussed. Real-world data sets are used to illustrate analysis techniques under various blasting and monitoring scenarios.

Resources

- In addition to online courses developed by TIPS we offer a variety of ESRI online courses and workshops.
- To review TIPS Online Courses Catalog go to TIPS Training Page: <http://www.tips.osmre.gov/training/index.asp>
- To enroll in TIPS Online Courses if you are not a DOI employee go to DOI-Learn [Public Catalog Login](http://doilearn.doi.gov/) Page: <http://doilearn.doi.gov/> and apply online.
- For additional information on the TIPS online course offerings please contact: TIPS Online Training Specialist, Veronika Eskova, 303-844-1400 x 1511.