

Schedule

- 8:30 AM **Introduction and welcome** – Mike Duncan
- 8:35 AM **Shear strengths for slope stability analysis** – Mike Duncan
- When to use total stress, when to use effective stress
 - Useful strength tests and correlations
- 9:30 AM Break
- 9:45 AM **Principles of slope stability analysis** – Steve Wright
- Definition of factor of safety
 - Procedures for computations
- 10:45 AM Break
- 11:00 AM **Water pressures and unit weights for slope stability analysis**
– Mike Duncan
- What to water pressures and unit weights to use in total stress, what to use in effective stress analyses
 - How to describe external and internal water pressures
- 12:00 Noon Lunch break
- 1:00 PM **Common problems in computer analysis of slope stability**
– Steve Wright
- Tension in cohesive soils
 - Use of unreasonable sliding surfaces
- 2:15 PM Break
- 2:30 PM **Back analysis of slope failures and reliability of slope repairs**
-- Mike Duncan
- Examples of back analysis and requirements for using results consistently
 - Factors of safety when back analysis is used
- 3:30 PM Break
- 3:45 PM **Computer applications**
- Program features and criteria for evaluation
 - Application to a complex case history
- 4:45 PM **Discussion**
- 5:00 PM **Adjourn**