

Landslide Seminar Series

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The Research Problem

□ August 2019 Landslide Workshop

- Proliferation of landslides in Southwestern PA
 - ✓ Unique geologic/topographic features
 - ✓ Increase in precipitation
 - ✓ Imposing costs on transportation system users
- Lack of well-informed entry-level engineers and geologist enter the geotechnical profession
 - ✓ Not enough qualified candidates to fulfill entry-level positions
 - ✓ Lack experience with local geotechnical issues



Project Objectives

- ❑ Expose interested engineering and geology students and young professionals to problems caused by landslides in SW PA and to state-of-the-practice techniques used to mitigate impacts
- ❑ Provide a forum for exposing interested students to professionals working within our region's geotechnical community
- ❑ Develop a setting for exchanging leading-practice ideas and concepts among participating professionals



Students gaining hands-on experience through field trips and work experience

Project Approach/Deliverables

Three seminars planned

- August 28: Provide students with the objectives of this seminar series and work through some of the technical issues, i.e. polling, breakout groups, etc. Also, provide a basic level of understanding of landslides, i.e. what they are, what causes them, the pervasiveness of the problem, etc.
- September 4: Landslide recognition and monitoring (9 presentations / 3 sessions)
- September 10 or 11: Applying new technology to the problem (9 presentations (6 professional/ 3 student))

Aimed at CEE and Geology undergraduate students/graduates and young professionals

Feature presentations by practicing professionals

Time will be available for questions/discussion



Newton Street landslide,
Spring 2000

Status

- Guided by a committee of approximately 20 representatives of the local geotechnical professional community, including IRISE member representatives
- Agendas established
- Potential speakers identified
- In process of confirming
- Logistics planning underway



Application of Results

More and better prepared young geotechnical professionals who will help to design cost effective repairs to existing landslides and who will develop technique to anticipate future impacts and thereby prevent new ones from occurring

