

Special Guest Lecture by:

Dr. Gordon Denby
GeoEngineers, Inc.
Seattle, WA

Date: Thursday March 29, 2007

Time: 11:00 am to 12:00 pm

Location: Mason Building, Room 311

TOPIC

“Design and Construction of a Hybrid Soil Nail and Tieback Shoring Wall”

ABSTRACT

Dr. Denby will make a presentation on the design and construction of a unique hybrid soil nail and tieback shoring wall. The Olive 8 project presented special challenges in that the alley behind the excavation face did not provide adequate space to design a standard shoring system. A 30-story building supported on footings founded 25 feet above the base of the proposed excavation also exists across the alley. In addition the 75 foot deep cut had to be designed to meet the 1 inch maximum allowable movement specification required by the City of Seattle. The design was completed using the finite element program Plaxis and was permitted by the city with certain conditions including additional monitoring and a contingency plan. The shoring system saved approximately \$1.5 million over the alternative shoring systems. Dr. Denby will be available to talk with students after the presentation on opportunities currently available at his company.

NOTE:

This seminar will begin in Mason 311 from 11 a.m. to 12 p.m. and will conclude with lunch and presentations in Mason 519 from 12 p.m. to 1 p.m.