

Segmental Wall Design, Construction, and Contracting

Tuesday, February 24, 2004
7:30am Registration
8:00am - 4:30pm Workshop/Program

Course Fee: \$40.00 per person

Continental Breakfast and Lunch Provided

Hosted by: Soil Retention
2501 State Street
Carlsbad, CA 92008
www.soilretention.com

Receive the following *Free* :

- NHI Document "Mechanically Stabilized Earth Walls and Reinforced Soil Slopes Design & Construction Guidelines"
- Retaining Wall Design Software (Includes Ability to Perform Global Stability Analyses)



Course Description - This practical 1-day course is based on the Federal Highway Administration workshop on soil reinforcement. It will help YOU appreciate and implement mechanically stabilized earth walls (MSEW).

You will learn how to combine soil-reinforcing materials made of polymers with an appropriate facing to produce a composite structure with improved engineering properties. The combination system results in extremely cost effective and aesthetically pleasing retaining structures that provide substantial construction time-savings compared to conventional types of earth retaining systems used in Civil Engineering Works. The course will include an in-depth walkthrough of program MSEW (2.0) along with discussion of Verdura Wall 1.0, a customized derivative of program MSEW; both of which possess the ability to conduct retaining wall and slope stability analyses. To produce comprehensive design, global slope stability software ReSSA and stability aspects of MSEW and Verdura Wall will be discussed and demonstrated.

Who Should Attend - This workshop is critical for design specialists (civil, geotechnical, structural, roadway), engineering geologists and senior construction engineers involved in site development and grade transition structures. Consulting engineers, regulatory reviewers, industry, technical representatives and academic community representatives who work with site development and earth retaining structure selection, design and contracting will also find this course extremely valuable. Attendees should have a basic knowledge of soil mechanics and roadway design.

Benefits

- This workshop will enable you to gain practical knowledge in mechanically stabilized earth walls including selection, review, design, and construction.
- Develop an appreciation for activities outside your own specialty area and understand how the various specialty areas affect each other.
- Realize the usefulness of MSEW and Verdura Wall 1.0 software in design.

Agenda - Through a combination of lectures and example problems, this course covers the following topics:

- MSE wall systems, applications and description
- Soil reinforcement principles
- Reinforcement and fascia properties
- Design of MSE Wall with an emphasis on SRWs
- Seismic aspects in design
- Design of complex MSE Walls
- SRW Construction Considerations
- SRW Planting and Irrigation Issues
- Demonstration of MSEW software while using instructive example problems

Mail or Fax back this registration form with your payment by February 15, 2004. Registration at the door is \$10 additional. Fax: 760-966-6099. For Information, Call Elise at 760-966-6090x107 or e-mail: emckibben@soilretention.com

Name: _____
Company: _____ Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____ e-mail: _____
Bill My: Mastercard: _____ Visa: _____ Am. Ex.: _____ **Amount: \$40.00**
Credit Card #: _____ Exp. Date: _____
Name on Card (Please Print Clearly): _____
Authorized Signature: _____

Please send checks to: Soil Retention, 2501 State Street, Carlsbad, CA 92008

Course held at: 2501 State Street, Carlsbad, CA 92008 ph: 760-966-6090

Dr. Dov Leshchinsky
 Professor of Civil Engineering, University of Delaware

Dr. Dov Leshchinsky has been a professor of civil engineering at the University of Delaware for over 21 years. At the University of Delaware he has conducted research in slope stability engineering, soil reinforcing, geosynthetics and dredged materials. Dr. Leshchinsky research was sponsored by the National Science Foundation, US Army Corps of Engineers, Federal Highway Administration and private industry.

His main research thrust interfaces between theories and its application to practice. Much of his work focused on comprehensive design methods for reinforced steep slopes and walls as well as geotextile tubes. He has published over 100 technical publications in journals, conferences and reports. Over 20 MS and Ph.D. students graduated under his supervision. Several of his design methods have culminated with the development of user-friendly computer programs (FoSSA, ReSSA, MSEW, ReSlope) which are used worldwide.

Dr. Leshchinsky has been involved with advanced geotechnical consulting for the past 20 years. Governmental agencies (e.g., FHWA, DSWA), geotechnical consulting firms (e.g., Woodward-Clyde, WRA, MACTEC) geosynthetic manufacturers, and segmental retaining wall licensors have retained him as a consultant. Dr. Leshchinsky has co-developed an NHI short course on Slopes and Embankments as well as coauthored the design manual "Guidelines for Geofoam Applications in Embankment Projects," published and sponsored by NCHRP. He has been co-teaching short courses on MSE Walls and Reinforced Soil Slopes, Shallow Foundations, Geosynthetic Reinforcement and Slopes and Embankments. Dr. Leshchinsky is one of the primary instructors of the NHI short course "Design, Construction and Contracting of MSE Structures" sponsored by the FHWA and offered to DOT's across the country.

Dr. Leshchinsky has served on various editorial boards (e.g., ASCE Journal of Geotechnical Engineering; Geotextiles and Geomembranes; Soils and Foundations). He has also served on various committees: national (HITEC, ASCE Slopes) and international (TC-9 chaired the subcommittee on Design Methods using Geosynthetic Reinforcement). He has been invited to deliver keynote papers in several international conferences (e.g., Conference on Soil Reinforcement in Kyushu 1992; Slope Stability Conference in Japan 1999; Geosynthetic Society Annual Meeting in Korea 2002).

