

Soil Improvement: Technologies, Design, and Performance
 December 11-12, 2006
 CGPR at Virginia Tech
 Blacksburg, Virginia

Day One – December 11th

7:30 – 8:00 AM	On-site Registration
8:00 – 8:10 AM	Welcome and Course Organization - James Mitchell, George Filz, and James Martin
8:10 – 9:00 AM	Overview of Soil Improvement (Section 1) - James Mitchell
9:00 – 10:00 AM	In-Situ Densification: Explosive Compaction (Section 2), Deep Dynamic Compaction (Section 3), Compaction Piles (Section 4), Vibro-Compaction (Section 5), and Vibro-Stone Columns (Section 6) - James Mitchell
10:00 – 10:15 AM	Break
10:15 AM – Noon	In-Situ Densification (continued): Explosive Compaction (Section 2), Deep Dynamic Compaction (Section 3), Compaction Piles (Section 4), Vibro-Compaction (Section 5), and Vibro-Stone Columns (Section 6) - James Mitchell
Noon – 1:00 PM	Buffet lunch provided
1:00 – 2:00 PM	Vibro-Stone Columns (Section 7): Bearing Capacity, Settlement Analysis, and Stability Analysis - George Filz
2:00 – 3:00 PM	Deep Soil Mixing (Section 8): Overview of Technology, Applications, and Laboratory Testing - George Filz
3:00 – 3:15 PM	Break
3:15 – 5:00 PM	Deep Soil Mixing (Section 8, continued): Load Transfer and Settlement Analysis, Stability Analysis, and Construction Issues - George Filz
5:00 PM	Adjourn

Day Two – December 12th

8:00 – 10:00 AM	Grouting and Seismic Applications: Permeation Grouting (Section 9), Compaction Grouting (Section 10), Jet Grouting (Section 11), and Seismic Applications of Ground Improvement - James Martin
10:00 – 10:15 AM	Break
10:15 AM – Noon	Grouting and Seismic Applications (continued): Permeation Grouting (Section 9), Compaction Grouting (Section 10), Jet Grouting (Section 11), and Seismic Applications of Ground Improvement - James Martin
Noon – 1:00 PM	Buffet lunch provided
1:00 – 2:00 PM	Specialty Methods (Section 12): Specialty Seismic Drainage, Electro-Osmosis, and Thermal Methods - James Martin and James Mitchell
2:00 – 3:00 PM	Question-and-Answer/Discussion Session - James Mitchell, George Filz, and James Martin
3:00 PM	Adjourn