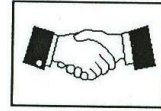


*American University of Armenia  
College of Engineering  
Seminar Series*



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## **GROUND IMPROVEMENT FOR CIVIL ENGINEERING APPLICATIONS**

by  
Richard D. Woods  
Professor of Civil Engineering  
University of Michigan, Ann Arbor  
Visiting Professor, College of Engineering of AUA

### **Abstract**

Principles of ten ground improvement techniques will be presented along with examples of each technique. Methods of "proof" testing will be suggested. Methods covered include: Vibro-Systems, Deep Dynamic Compaction, Grouting, Mini piles, Lime Injection, Slurry Trench applications, Ground Anchors (nailing), Ground Freezing and Reinforced Earth.

### **About the speaker**

Dr. Richard D. Woods received his PhD in Civil Engineering from the University of Michigan in 1967. His research is primarily in the area of soil dynamics, including methods for measurement of the dynamic properties of soils, response of pile foundations to dynamic loads and wave propagation in regions with barriers. He is the author of numerous publications and the recipient of research and teaching awards from the American Society of Civil Engineers and the University of Michigan.

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*Date: Tuesday June 23*

*Time: 3:30 - 5:00 p.m*

*Place: Small auditorium,*

*5th floor, AUA, 40 Bagramian Avenue.*

Open to the public free of charge  
Simultaneous translation will be provided  
Refreshments will be served after the seminar