



## **Professor Edward Kavazanjian**

- Senior Sustainability Scientist, Global Institute of Sustainability
- Professor, School of Sustainable Engineering and the Built Environment, Ira A. Fulton School of Engineering

### **Lecture 1: Performance Based Design of Geosynthetic Barrier Systems Subject to Large Displacements and Seismic Loading**

### **Lecture 2: Pre-Design Geotechnical Evaluation for Closure of the Oil Superfund Site Landfill**

10 月 31 日下午 2:00 安中大楼 A-420

#### **Biography**

Dr. Kavazanjian's expertise includes geotechnical engineering for infrastructure development and design of waste containment systems, with a focus on their seismic design. He is co-author of guidance documents on Geotechnical Earthquake Engineering for Highways for FHWA and Seismic Design for Municipal Solid Waste Landfill Facilities for the EPA. Dr. Kavazanjian has delivered keynote addresses and papers on seismic design of landfills, the durability of engineered barriers for waste containment, and the mechanical properties of municipal solid waste. His research includes the newly emerging area of biogeotechnical soil improvement. He currently serves on the National Research Council Board of Earth Sciences and Resources as the Chair of the Committee on Geological and Geotechnical Engineering.

#### **Expertise**

geotechnical earthquake engineering; waste containment; mechanical properties of municipal solid waste; microbiological improvement of soil properties; urban infrastructure; fugitive dust control; erosion and sedimentation; geological processes

#### **Education**

Ph.D., University of California-Berkeley, 1978

M.S., Massachusetts Institute of Technology, 1975

B.S., Massachusetts Institute of Technology, 1973