

2008 Spring KGEF Distinguished Lecture
March 19, 2008
Hosted by the University of Louisville
ASCE/SAME Student Chapter

2008 Spring KGEF Distinguished Lecturer: **David J. Elton, PhD**

2008 Lecture topic: "**Geosynthetics in Foundations**"

Dr. Elton will talk about reinforcement under footings to begin his lecture, and then will deal with various other uses of geosynthetics in foundations, including:

- geofibers for soil improvement
- strip drains for preloading
- geocells in roads/foundations
- pile supported embankments
- sand piles
- lightweight fill for foundation fills - geofoam, etc. geocomb

Place of lecture: **Virginia Speed Auditorium, Main Speed Building, University of Louisville.**

Schedule: **Social Hour in lobby of Main Speed, 6:00 pm to 7:00 pm**
Lecture begins at 7:00 pm

David Elton is an outstanding geotechnical engineer who has been teaching for a number of years at Auburn University. He has developed the IFAI Professor Training Course for Geosynthetics [if he can teach professors, he should have no trouble talking to real engineers]. Dave has developed video short courses on a number of topics including shallow foundation design; erosion control using geosynthetics; landfill design and operation; and design of unpaved low volume roads. He has received numerous awards, including USUCGER nominee for the NSF Distinguished Teaching Scholar (2003); ASCE Geo-Institute nominee for the ASCE ExCEEd Career Award for Excellence in Teaching (2002); USUCGER Distinguished Educator Award (2002, the inaugural one); Fred Burggraf Award of the Transportation Research Board, for paper "Expert System for Diagnosing Hot Mix Asphalt Segregation", 1989; and the IGS Service Award (2000) from the International Geosynthetics Society (inaugural award). He has been vice-president and president of the North American Geosynthetics Society, and a member of the USUCGER Board of Directors, 2001 – 2005.

Dave Elton is the Soils Magician—to see soils magic, go to SoilsMagic.com, or read his book, *Soils Magic*, Geotechnical Special Publication No. 114, ASCE.