



Lightweight Fill Design Short Course

Dr. Steven Bartlett – University of Utah
Mr. Nico Sutmoeller – Aerix Industries
Mr. Steven Saye - Kiewit Engineering Group

Thursday, February 8, 2018
DC Center
11830 Stonegate Dr
Omaha, Nebraska 68164
Check-in begins: 7:45 a.m.
Course: 8:15 a.m. – 4:45 p.m.

Sponsored By:

35th GEO-Omaha 2018
Nebraska ASCE Geotechnical Section

Register online: [Here](#)

Early Registration \$135
Late Registration (After February 2nd, 2018): \$150

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<u>Time</u>	<u>Presentation Topic</u>	<u>Speaker</u>
7:45–8:15	Registration/Continental Breakfast	
8:15–8:30	Greetings and Introductions.....	Steven Saye and Steven Bartlett
8:30–10:00	Cellular Concrete.....	Nico Sutmoller
10:00–10:15	Break/Networking/Discussion	
10:15–12:00	EPS Manufacturing, Properties, Applications, and Design Considerations	Steven Bartlett
12:00–1:00	Lunch Break/Networking/Discussion	
1:00–2:00	EPS for Mitigating Bridge Approach Settlement.....	Steven Bartlett
2:00–3:00	Seismic Design Considerations for Lightweight Fills (EPS and Cellular Concrete)	Steven Bartlett
3:00–3:15	Break/Networking/Discussion	
3:15–3:45	Rail Applications and Performance Monitoring.....	Steven Bartlett
3:45–4:30	Guidelines for Slope Stability Improvement with Lightweight Fill.....	Steven Bartlett
4:30–5:15	Summary Questions and Answer Session.....	All Speakers Active Audience Participation Encouraged and Welcomed
5:15	Adjourn & Networking/Exhibits	

Why You Should Attend:

After completing this course, you should:

- Have knowledge of available lightweight fill materials in geotechnical practice.
- Have knowledge of the applications of lightweight and eps fills for infrastructure projects.
- Have knowledge of the engineering properties of lightweight fills.
- Become more proficient in reviewing and analyzing settlement problems and selecting lightweight fill for design applications.

Course Instructors:

Dr. Steven Bartlett, Ph.D., P.E. is an Associate Professor in the Department of Civil and Environmental Engineering at the University of Utah in Salt Lake City, Utah. Steven participated in the design of the Reconstruction of Interstate 15 for the 2002 Winter Olympics, one of the first extensive uses of eps lightweight fill for transportation infrastructure projects. Since I-15 Steven has authored many research projects on the design and use of eps fills and has been a consultant to the Utah Department of Transportation regarding the use of eps fill and the design of structures with eps lightweight fill.

Mr. Nico Sutmoller is the Lightweight Fill Specialist for Aerix Industries in Golden, Colorado. Since the 1990's Nico has worked on a multitude of commercial and infrastructure lightweight fill projects throughout the United States and the Caribbean. He also has an extensive amount of experience with geofoam in the ultra-lightweight markets and has written extensively about the use of lightweight fill materials as a solution for geotechnical issues.

Mr. Steven Saye is a Sr. Geotechnical Engineer with Kiewit Engineering Group in Omaha, Ne with extensive experience in Design – Build projects throughout North America including the Reconstruction of Interstate 15 in Salt Lake City prior to the 2002 Winter Olympics.