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**Hawaii Section**

**PO Box 917**

**Honolulu, HI 96808-0917**

**ASCE Geo-Institute Hawaii Section Chapter**

**Cross-USA Lecture Tour 2016-2017**

By: Dr. George Filz, Ph.D, P.E.

**The Geo-Institute Hawaii Chapter of ASCE is pleased to announce an upcoming seminar by Dr. George Filz**

**Speaker:** George Filz - Professor of Civil Engineering at Virginia Tech, where he has been teaching and conducting research in geotechnical engineering for 27 years. Professor Filz's teaching, research, and practice interests include foundation engineering, soil-structure interaction, ground improvement, and seepage barriers. He has been recognized with several awards from the American Society of Civil Engineers, including: the Middlebrooks Award, the Croes Medal, the Florida Project-of-the-Year Award, and the Wallace Hayward Baker Award.

**Seminar I:** **Column-supported embankments**

Column-supported embankments (CSEs) can reduce settlements, improve stability, and prevent damage to adjacent facilities when embankments are constructed on ground that would otherwise be too weak or compressible to support the new load. This presentation addresses three important design issues for CSEs: (1) the critical height above which differential settlements at the base of the embankment do not produce measurable differential settlements at the embankment surface, (2) the net vertical load on the geosynthetic reinforcement in the load transfer platform at the base of the embankment, and (3) the tension that develops in the geosynthetic reinforcement.

**Seminar II:** **Renovation of Existing Infrastructure for Heavy Lift Vehicles**

NASA is renovating the infrastructure at Kennedy Space Center to accommodate a new generation of heavy lift space vehicles that will exceed the demonstrated capacity of existing infrastructure components. This presentation focuses on overall stability of the transporter that carries heavy lift vehicles along the crawlerway, crawlerway surface treatment for track-mounted and rubber-tired transporters, Vehicle Assembly Building foundations, and stabilization of slope protection slabs.

**Date:** **Thursday, July 13, 2017**

## RSVP by: June 28, 2017

## Send check payable to

## “ASCE Hawaii Section”

## c/o Tim Lin

## 2930 Robert Place

## Honolulu, Hawaii 96816

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## You may also phone or e-mail your RSVP to Tim:

## Phone: (808) 397-6974

## Email: xiaobin@hawaii.edu

**Location:** **Hale Ikena (Fort Shafter)**

**Pikake III Conference Room**

**711 Morton Drive**

**Honolulu, HI 96819**

All attendees without a base pass must obtain a temporary pass from the

Pass office upon entering Fort Shafter. Must provide driver’s license,

vehicle registration, safety check, and insurance card.

**Schedule:** 8:30 a.m.-9:00 a.m. Registration and Coffee Time

. 9:00 a.m.-10:15 a.m. Seminar I / Break

. 10:15 a.m.-11:30 a.m. Seminar II

11:30 p.m.-1:00 p.m. Lunch

**Menu**: Multi-entrée lunch buffet included

**Cost:** **$30.00** for students (limited number of seats, must call or email Tim to confirm availability)

**$70.00** for ASCE/Geo-Institute Hawaii Section Members

**$90.00** for Non-ASCE/Geo-Institute Hawaii Section Members

***\*\*No-shows will be billed\*\****

July 13, 2017 Cross-USA Lecture Tour 2016-2017 Reservation Form (please mail by 6/26/2017)

Company: Total Enclosed: $

Name Section Member? Name Section Member?

Yes/No Yes/No

Yes/No Yes/No

Yes/No Yes/No

Yes/No Yes/No