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When: Thursday, July 20, 2017

5:15 PM – 5:30 PM: Fill Plates for Dinner

5:30 PM – 6:00 PM: Dinner, Announcements, Speaker Introduction

6:00 PM – 6:30 PM: Presentation and Questions

6:30 PM: Adjourn

Where: Kentucky Engineering Center
160 Democrat Dr.
Frankfort, KY 40601

Speaker: Troy S. O'Neal, Ph.D., P.E.

Topic: "Summary of Regional Dam Safety Risk Assessment Activities and Mega-Project Construction for Projects within the Great Lakes and Ohio River Division - 2017"

The U.S. Army Corps of Engineers (USACE) operates and maintains approximately 700 dams nationwide and in Puerto Rico that provide significant, multiple benefits to the nation—its people, businesses, critical infrastructure and the environment. These benefits include flood risk management, navigation, water supply, hydropower, environmental stewardship, fish and wildlife conservation and recreation. Within the Great Lakes and Ohio River Division (LRD), The LRD Dam Safety portfolio consists of 188 structures in Kentucky, Indiana, Ohio, Tennessee, West Virginia, Illinois, Michigan, Pennsylvania, and New York.

Currently there is significant activity to assess and lower potential risks to USACE's Dam Safety program from an enterprise level. Several projects within LRD are under construction to lower project risk. These "mega-projects" involve complex interim and long-term remedial measures, heightened monitoring, and leverages many geotechnical engineers and geologists to execute these construction projects.

This presentation will focus on summaries of the current risk assessments and construction projects within LRD and highlight some of the unique features, technical problems and solutions for each project.

Speaker Bio: Dr. O'Neal is the Dam Safety Program Manager, Business Technical Division, Great Lakes and Ohio River Division (LRD) of the U.S. Army Corps of Engineers in Cincinnati, Ohio. He serves as the Division's technical authority on Dam Safety matters, oversees regional budget development, performs quality assurance inspections of construction and operating projects, and interprets USACE policies and regulations to manage the Dam Safety program. He also serves as the Division's Geotechnical Engineering Community of Practice lead and sits on the HQ Geotechnical Senior Advisory Board.

Dr. O'Neal earned his Doctor of Philosophy degree in Civil Engineering at the University of Louisville. He has 23 years of civil engineering (geotechnical) experience with Dam and Levee Safety. He is a former percussion instructor for high schools. He enjoys ultralight backpacking and traveling.

Announcements:

- Treasurer's Report
- *Next three proposed meetings:*
 - October 19, 2017 (Thursday)
 - January 26, 2018 (Thursday)
 - April 20, 2018 (Thursday)
- KEGG Positive Impacts Committee – Short Course Coordination