



GEOTECHNICAL
ENGINEERING

STUDENT
ORGANIZATION

OSO LANDSLIDE FAILURE MECHANISMS AND MATERIAL PROPERTIES

Ahmed Baghdady, UIUC PhD Candidate

Timothy Stark, UIUC Professor

11 / 2 / 2015

12:00 – 1:00 pm

2312 Yeh Student Center



Ahmed Baghdady will present an update of his ongoing study of the March 22, 2014 State Route-530 (Oso) landslide near Oso, Washington. This major and tragic landslide exhibited some interesting aspects of geo-mechanical behavior. Its detailed study is contributing to a better understanding of landslide triggering mechanisms and improved methods of hazard and risk assessment in the Stillaguamish River Valley. The on-going research is focused on landslide triggering and runout of the 2014 slide mass. In particular, Ahmed and Professor Stark are focusing on the field and laboratory investigations, slope stability analyses, and triggering mechanism of the landslide. Ahmed will also discuss the runout mechanism and distance that is being studied by Professor Oldrich Hungr of the University of British Columbia in Vancouver.