

FEBRUARY 13, 2019

Wednesday, February 13, 2019
4:00 - 5:00 PM (1.0 PDH)



WORKSHOP

4:00 - 5:00 PM (1.0 PDH)

Title : **Jacking of RCP & RCB Culverts (Trenchless Technology)**

Speaker : [Alena Mikhaylova, Ph.D.](#) w/ [Rinker Materials](#)

Alena Mikhaylova, Ph.D. is a Technical Promotions Engineer with Rinker Materials for South Central Region. She earned her Bachelor's degree in Mechanical Engineering from Gubkin's Russian State University of Oil and Gas in Moscow in 2005, Master's Degree in Civil Engineering in 2009 and Doctorate degree in Civil Engineering in 2013 from the University of Texas in Arlington. Before joining Rinker, Alena worked for Global Maritime, performing advanced finite element analysis of mobile offshore drilling units for operations in Gulf of Mexico, Canada, and North Sea regions. Alena is an active member of engineering community serving on ASTM C13 and F17 committees, she also a member of Transportation Research Board AFS40 Standing Committee on Subsurface Soil-Structure Interaction and AFF70 Standing Committee on Culverts and Hydraulic Structures, has technical publications in peer reviewed journals and made numerous presentations at industry and international conferences, as well as engineering community. She also serves on the board of the American Society of Highway Engineers Houston as treasurer, helping launch the section in Feb 2018. Alena is also a chair of the committee for Critical Thinking with the Infrastructure Advancement Institute.

ABSTRACT : A growing segment of pipe installation includes trenchless applications. They are less disruptive to traffic, communities, utilities, and businesses. Trenchless installation saves time, saves money, and improves roadwaysafety. It is important to know this competitive option. As our nation's infrastructure approaches its service life, jackingpipe and box procedure is a beneficial option worth considering.