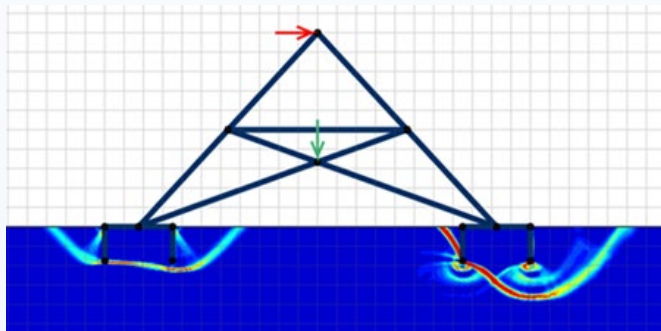


Geotechnical Seminar - ONLINE

Friday, August 28, 2020 | [Zoom](#) | 11:00am Central

Direct use of CPT data for numerical analysis of VHM loading of shallow foundations



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Abstract: Assumptions of failure mechanisms within traditional design methods may miss the formation of lower resistance mechanisms that may become apparent when using more thorough numerical analysis methods. This talk presents results of validation analyses and discusses the use of CPT data with fine vertical resolution directly within numerical analysis software programs. The focus is on shallow foundation bearing capacity.

James A. Schneider, PhD, PE has twenty-one years of experience as a Geotechnical Engineer:

- Regional Technical Specialist for USACE in St. Paul, MN within the Mississippi Valley Division since 2016.
- Marine Geotechnical Engineering Subject Matter Expert (2016) and a civil (geotechnical) engineer (2011-2016) for US Navy at NAVFAC NBVC, California.
- Assistant Professor of Civil and Geological Engineering at the University of Wisconsin-Madison (2008-2011).
- Full time work in private geotechnical engineering consulting for Fugro West (2000-2003) and Geosyntec Consultants (1999-2000)
- Part time geotechnical engineering consulting for Advanced Geomechanics (2013-2014), Fugro (2004, 2008-2010, 2014-2105), Arup (2006-2010), Worley-Parsons (2005-2006), SKM (2004-2005), and Dames & Moore (1997-1998).
- PhD (2007), University of Western Australia
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