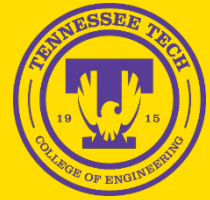


2018 New Faculty Research Seminar Series



Seismic Hazard and Seismic Design Strategies for Bridges in the New Madrid Seismic Zone



Presented by Tim Huff, Ph.D., Assistant Professor, Civil and Environmental Engineering

Abstract: Scientific evidence points to large earthquakes in the New Madrid seismic zone, which includes West Tennessee, every 500 years or so with the latest large magnitude events being in 1811-1812. The structural design of buildings and bridges in the area is a challenge since consideration of seismic effects must be included. The region is unique. Soil deposits in the intraplate tectonic setting of the Mississippi Embayment reach depths of over 3,000 feet.

About the Speaker: A 1985 graduate of Tech, Huff went on to complete a Ph.D. at UT-Knoxville in 2013. After 32 years as a practicing structural engineer, Tim joined the faculty of the Department of Civil and Environmental Engineering at Tech in the fall of 2017. His specialties, current research efforts, and consulting work are in the fields of bridge design and earthquake engineering.

**Thursday, Nov. 8, 2018, 4:30 to 5:30 p.m.
Prescott 225**

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