

# CIVIL AND ENVIRONMENTAL ENGINEERING GRADUATE SEMINAR SERIES

## The Future of Freight

Freight transportation plays a crucial role in our nation's economy, impacting productivity, pricing of goods, and job creation. Demand for freight movement is on the upswing, with rail, ports, and the trucking industry experiencing record years. By the end of 2018, freight tonnage transported is expected to hit 16 billion tons, with projections of over 35% growth in the next 10 years. This growth is complicated by a number of factors, including capacity constraints, infrastructure issues, safety considerations, technology disruption, national policy and workforce challenges. This presentation will provide an overview of the current landscape of the freight industry, key challenges faced from the perspective of both the public and private sector, and opportunities for addressing these challenges through innovation and collaboration across the public and private sectors.

Dr. Stephanie Ivey is the Associate Dean for Research with the Herff College of Engineering and a Professor with the Department of Civil Engineering at the University of Memphis. She also directs the Intermodal Freight Transportation Institute, the Southeast Transportation Workforce Center and the West TN STEM Hub. Her technical research includes focus on journey to school in urban areas, transportation planning, livability assessment in urban communities, and strategies to engage citizens in the transportation planning process. She also has a strong record of STEM workforce and education research, with particular emphasis on transportation workforce development, partnerships between industry and academia, and increasing representation of women in STEM.



**Civil & Environmental Engineering**  
TENNESSEE TECH

**Dr. Stephanie  
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**FRIDAY**

**Nov. 16, 2018**

**3:30pm**

**Prescott Hall  
215**

