



# 2024 EPISODE V: EP WEBINARS BY EPs

**SEISMIC SOIL STRUCTURE INTERACTION ANALYSES FOR A BULKHEAD:  
AN ASSESSMENT OF THE EFFICACY OF STONE COLUMNS IN LIQUEFACTION MITIGATION**

**FRIDAY, DECEMBER 6 | 11 – 11:30 AM | Zoom**

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## *Learn how the project team:*

- Developed a Flac2D model for simulation of soil-structure interaction;
- Identified location of high bending moments in the pipe-pile wall; and
- Quantified the effects of ground improvement.



### **Nithyagopal Goswami, PhD** *Project Engineer at Langan Engineering & Environmental Services*

Nithyagopal Goswami is a professional in the field of geotechnical and rock engineering. He earned his PhD in Geotechnical Engineering from Rensselaer Polytechnic Institute. His master's is in Rock Engineering (Indian Institute of Technology) and his bachelor's is in Mining Engineering (National Institute of Technology Karnataka). Nithyagopal's professional interests are diverse and cutting-edge. They include numerical simulation, big data, machine learning applications in geotechnical engineering, soil liquefaction, and rock cliff stability. These areas reflect his commitment to advancing the field through innovative and technology-driven approaches. Outside of his professional life, Nithyagopal is an avid cricket lover and a big-time foodie.