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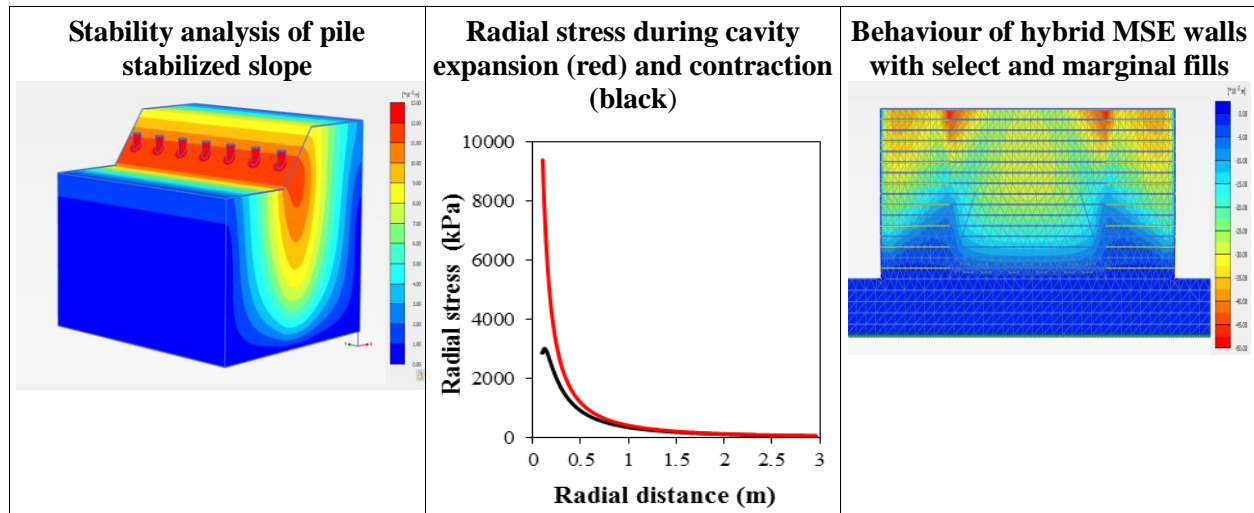
### Research Interests

- Deep Foundations
- Soil Mass Stabilization
- Soil-Structure Interaction

### Brief Summary of Research

Current research activities are on the following topics:

- Formulation of cavity expansion solutions
- Stabilization of slopes using piles
- Pull-out resistance of soil nails
- Hybrid MSE walls with select and marginal fills
- Development of new foundation systems
- Grouting technology for improving foundation capacity
- Rock socketed monopiles



### Recent Publications

- Rajagopal, G. & Sudheesh, T. K. (2019). Numerical Analysis of Hybrid Back-to-Back MSE Wall with Select and Marginal Backfill. 7th Indian Young Geotechnical Engineers Conference (2019). NIT Silchar, 15-16th March, **2019**.
- **Thiyakkandi, S.**, McVay, M., Lai, P. & Herrera, R. (2017). Field Measurement of Noise and Ground Surface Vibration during Pile Jetting and Grouting. ASCE Geotechnical Frontiers, Orlando, USA.
- **Thiyakkandi, S.**, McVay, M., Lai, P. & Herrera, R. (2017). Suitability of Jetted and Grouted Precast Pile for Supporting Mast Arm Structures. *Canadian Geotechnical Journal*, 54 (9) 1231-1244.