

Apisak Jutasiriwong



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Advisor: Professor Dante Fratta and Professor James A. Schneider

Previous Education:

BE of CE at Kasetsart University, Thailand, with a minor in transportation.

Title of Research Project/Dissertation Title: Geophysical Characterization of Grouting Injection Performance

Program: GLE:

Research Focus:

My research object is to apply geophysical methods including seismic waves, electrical resistivity, and electromagnetic wave to quantify the extent of grout penetration and mechanical characteristics of the improved soils. Currently, I have been developing a grouting model with either foundry sand or coarse sand and verify physical, mechanical, and electrical properties of materials used in the simulating model. In addition, electrical impedance measurement has been used to evaluate the electrical conductivity and electrical permittivity of the materials of interest in different conditions.

Outside Interests:

Like many students here, only a thing I hate in Wisconsin is very low temperatures. Hence, I love almost all outdoor activities; for example, cycling, running, climbing, and etc. Don't invite me to go ski.