



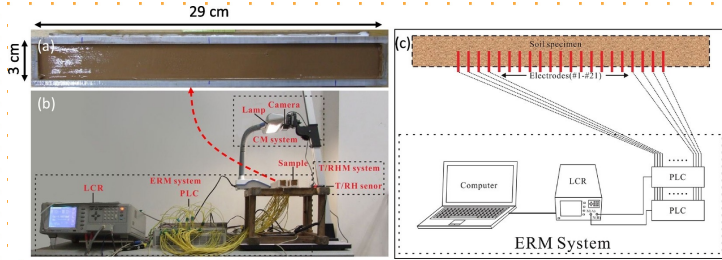
Dr. Cheng Zhu (zhuc@rowan.edu)

Need 3 CEE students

Potential internship/publication opportunity

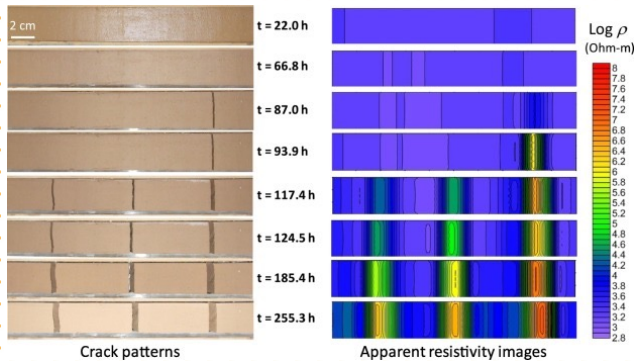
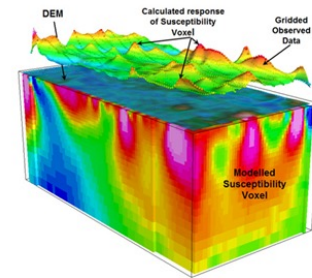
**PPR (Physical Presence Required): Students need to conduct experiments in the field/lab.**

- The characterization of permafrost is critical to infrastructure construction in cold regions.
- Project goal is to develop a rapid, noninvasive, three-dimensional Permafrost Assessment and Mapping System (PAMS) that provides soil profiles and characterization of soil properties.



Project is supported by DoD-ERDC

- Design experimental setups for electrical resistivity measurement
- Measure the electrical resistivity of soils under cold temperature
- Test the newly developed device for frozen soil characterization



More information available in:

<https://chengzhu.wixsite.com/geomechanics-lab/courses>