NOVEMBER 2019 MEETING ANNOUNCEMENT

Georgia ASCE Geo-Institute Chapter – Georgia Tech Geosystems Engineering
Annual Fall Geotechnical Student Poster Symposium

Time: Tuesday, November 12, 2019
Location: Georgia Power Building
241 Ralph McGill Boulevard NE, Atlanta, GA 30308

Event Details: In collaboration with the Georgia ASCE Geo-Institute Chapter, the Geosystems Engineering Group at Georgia Tech is organizing the 3rd Annual Fall Geotechnical Student Poster Symposium.

All graduate and undergraduate students in the Geosystems Engineering Program at Georgia Tech will prepare posters for participation in the event. Industry participants will serve as judges during the poster session. Three poster awards will be given during the event as follows:

- Outstanding Graduate Fundamental Research Award
- Outstanding Graduate Applied Research Award
- Outstanding BS/MS Project Award

The winning poster students will each be invited to provide a 3-minute oral summary of their winning poster during the awards event.

Time:	6:00 to 7:00 PM	Registration + Dinner
	7:00 to 8:00 PM	Poster session
	8:00 to 8:30 PM	Award recipient's announcement + 3 min presentations by winners

Cost: Free of charge

Menu: TBD

Reservation: Reservations required for dinner by 9:00 am on Friday November 8th and may be made online here.

PDH: Attendees will earn 1 PDH for participation.

Fall 2019 Geosystems Student Poster Symposium

Name	Poster Title
Jongchan Kim	Sand Crushing in Hydrate-bearing Sediments
Shi Tan	Fractional calculus for fluid flow in naturally fractured reservoir
Boyoung Jeong	A preliminary study of saturation and desaturation in porous media in the presence of motile bacteria
John Huntoon	Root Inspired Ground Anchors
Sean Tyndale	Effect of Diatoms on Hydraulic Conductivity of Fly Ash Materials
A. Lynnae Luettich	Optimal Design for Stormwater Best Management Practices
Hejintao Huang	Beneficial Use of Savannah Dredge Material
Junghwoon Lee	Dissolution of Iron Oxide during MICP
Karie Yamamoto	Geotechnics of Ant Nest Structures: Experiments & 2D DEM Simulations
Youngsuk Jung	Evaluation and Comparison of Stormwater Best Management Practices Performance
Yimin Lu	Bio-inspired Geothermal Heat Exchange Systems
Albert Liu	Flow liquefaction and flowslide in a natural cemented soil
Yuzhi Guo	Enhancing Organization Knowledge Retention with Computational and Data Science Technologies
Yumeng Zhao	Angel wing shells (cyrtopleura costata) inspired rock drilling
Tingting Xu	Multiscale approach for the competition between damage and healing in salt polycrystals
Ming Liu	Poroelastic Indentation as a New Testing Method
Koochul Ji	Assessment and simulation of fracture propagation in concrete repaired by epoxy
Chenying Liu	Selection of efficient parameters for the evaluation of seismically-induced displacements using machine learning
Dong-Hun Kang	Stokes-Brinkman Flow Modeling for Porous Rock by Integration of X-ray CT and Pore Size Information

Zhilin Cheng	Understanding the pore structural characteristics of Tight Sandstones Using Micro-CT, SEM Imaging and Mercury Intrusion
Xianda Shen	Numerical study of thermo-mechanical effects on the viscous damage behavior of salt caverns
Yue Xu	Effectiveness of HPTRM in vegetation development and reinforcement
Jiaojun Liu / Delaney Rickles	Man-Made "Spider Web" for Better Roads
Elliot Nichols	Building Towards a Resilient Infrastructure with Geotechnical Extreme Events Reconnaissance
Sangy Hanumasagar	Aggregate-geogrid interaction in pavement systems
Jie Hu	Foam-induced high gas pressure in municipal solid waste landfills
Changjiang Wu	Deformation characteristic study of diaphragm wall induced by deep large excavation in soft soil region
Venkataraman	DEM based study on cyclic liquefaction of particulate media
Bozhi Deng	Kinetic behavior of heterogeneous sorption deformation on coal
Mohammad Zaid	Reliability Based Approach For Assessing Soil Liquefaction Potential
Haozhou He	Finite Element Method Based Multi-scale Fracture Analysis
Wilson Espinoza	Numerical analysis of indentation tests for rock characterization
Shaivan HS	Sustainable Earthen Construction - Rammed Earth
Jiazuo Zhou	Comparison of freezing and hydration characteristics for porous media
Qiwei Mao	Conditonal Model for Predicting CAV
Luis Vergaray	Critical State of Tailing Materials