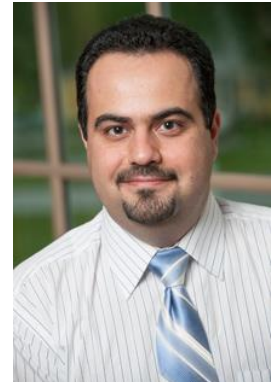


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Academic Appointments

| | | |
|-------------------|---------------------|---------------------------------|
| 08/2012 – Present | Assistant Professor | University of New Hampshire |
| 01/2011 – 08/2012 | Research Associate | University of Colorado, Boulder |

Education

| | | | |
|------|-----|--------------------------|---------------------------------|
| 2011 | PhD | Civil Engineering | University of Colorado, Boulder |
| 2006 | MSc | Geotechnical Engineering | Sharif University of Technology |
| 2004 | BSc | Civil Engineering | University of Tehran |

Awards and Honors

- 2015 ASCE Excellence in Civil Engineering Education (ExCEED) Fellow
- 2011 University of Colorado Engineering Excellence Fund (EEF) Award
- 2004 Bronze Medal in Iranian National Civil Engineering Graduate Olympiad
- 2014 ISSMGE Award for Best Paper in Application of Unsaturated Soils by Early Career Faculty
- 2010 Honorable Mention for Best Paper in ASCE Geo-Congress (Geo-Florida 2010)
- 2003 Best Paper Prize from British Council in 10th Iranian National Civil Engineering Conference

Research Interests

- Unsaturated Soil Mechanics
- Soil Dynamics and Geotech. Earthquake Eng.
- Soil-Structure Interaction
- Centrifuge Modeling
- Experimental Material Characterization
- Bio-Inspired Geotechnics

Professional Membership/Service

- ASCE G-I Unsaturated Soils Committee
- ASCE G-I Soil Dynamics and Earthquake Eng. Committee
- Editorial Board Member, ASTM Geotechnical Testing Journal
- ISSMGE
- UNH Research and Engagement Academy
- ICNet Infrastructure and Climate Network
- USUCGER

Selected Journal Publications Related to Unsaturated Soils

- Mirshekari, M., Ghayoomi, M., and Borghei, A. (2018) "A Review on Soil-Water Retention Scaling in Centrifuge Modeling of Unsaturated Sands", ASTM Geotechnical Testing Journal, (Accepted-In Press).
- Jarast S., P. and Ghayoomi, M. (2017) "Numerical Modeling of Cone Penetration Test in Unsaturated Sand inside a Calibration Chamber", ASCE International Journal of Geomechanics, 18(2), 1-13.
- Elshaer, M., Ghayoomi, M., and Daniel, J.S. (2017) "Impact of Subsurface Water on Structural Performance of Inundated Flexible Pavements", International Journal of Pavement Engineering, 1-11; (Available online)
- Ghayoomi, M., Suprunenko, G., and Mirshekari, M. (2017) "Cyclic Triaxial Test to Measure Strain-Dependent Shear Modulus of Unsaturated Sand". ASCE International Journal of Geomechanics, 17(9), 1-12.
- Le, K. and Ghayoomi, M. (2017) "Cyclic Direct Simple Shear Test to Measure Strain-Dependent Dynamic Properties of Unsaturated Sand", ASTM Geotechnical Testing Journal, 40(3), 1-15.
- Mirshekari, M. and Ghayoomi, M. (2017) "Centrifuge Tests to Assess Seismic Site Response of Partially Saturated Sand Layers", Journal of Soil Dynamics and Earthquake Engineering, 94, 254-265.
- Elshaer, M., Ghayoomi, M., and Daniel, J.S. (2017) "Methodology to Evaluate Performance of Pavement Structure Using Soil Moisture Profile", Road Materials and Pavement Design, 1-20; (Available online).
- Ghayoomi, M., McCartney, J.S., Ko, H.-Y. (2013) "An Empirical Methodology to Estimate Seismically Induced Settlement of Partially-Saturated Sand." ASCE Journal of Geotech. and GeoEnv. Eng., 139(3), 367-376.
- Ghayoomi, M. and McCartney, J.S. (2011) "Measurement of the Small-Strain Shear Moduli of Partially-Saturated Sands During Infiltration in a Geotechnical Centrifuge." ASTM Geotechnical Testing Journal. 34(5), 503-513.
- Ghayoomi M., McCartney, J.S., and Ko, H.-Y. (2011) "Centrifuge Test to Assess the Seismic Compression of Partially Saturated Sands." ASTM Geotechnical Testing Journal, 34(4), 321-331.

* For more journal and conference papers please visit http://unh.edu/geotech/ghayoomi_publications.html