
Omid Habibzadeh Bigdarvish

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EDUCATION

- 2017 - Present University of Texas at Arlington, Ph.D. Candidate
Major: Civil Engineering
Advisor: Xinbao Yu, Ph.D.
- 2014 - 2017 Politecnico di Milano, M.Sc.
Major: Civil Engineering for Risk Mitigation
Advisor: Donatella Valeria Sterpi, Ph.D.
- 2009 - 2014 Islamic Azad University, B.S.
Major: Civil Engineering

ACADEMIC EMPLOYMENT

- Fall 2017- Present **Graduate Teaching/Research Assistant,**
University of Texas at Arlington, Texas, USA
- Spring 2012 - Fall 2014 **Geotechnical Lab Assitant,**
Islamic Azad University, Tehran, Iran

HONORS AND AWARDS

- 2016 **Golden Medal Award**
Awarded by 14th international innovation exhibitions ARCA 2016, Zagreb, Croatia, for patent entitled: "Nano hydrophobic coverage to be used in building materials"
- 2014-2016 **Student Aid Benefit Scholarship**
Awarded by Politecnico di Milano, Milan, Italy.
- 2012 **Outstanding Student Award**
Awarded by Islamic Azad University, Tehran, Iran for the class of 2009 in Civil Engineering major.

PROFESSIONAL AFFILIATIONS AND SERVICES

Professional Organization Member
American Society of Civil Engineering (ASCE)

PUBLICATIONS

- Habibzadeh-Bigdarvish, O.**, Yu X., Lei G., Li T., & Puppala, A. J (2019). Life-cycle cost-benefit analysis of bridge deck de-icing using geothermal heat pump system: A case study of north Texas. *Sustainable Cities and Society*. (Accepted Manuscript)
- Sterpi, D., Angelotti, A., **Habibzadeh-Bigdarvish, O.**, & Jalili, D. (2018). Assessment of thermal behaviour of thermo-active diaphragm walls based on monitoring data. *Journal of Rock Mechanics and Geotechnical Engineering*, 10(6), 1145-1153.
- Sterpi, D., Angelotti, A., **Habibzadeh Bigdarvish, O.**, & Jalili, D. (2018). Heat transfer process in a thermo-active diaphragm wall from monitoring data and numerical modelling. In 9th European Conference on Numerical Methods in Geotechnical Engineering (Vol. 1, pp. 731-736). Taylor and Francis Group. <http://hdl.handle.net/11311/1056968>
- Gheyaspour, M., & **Habibzadeh Bigdarvish, O.**, (2018). Forecasting Oxygen Demand in Treatment Plant Using Artificial Neural Networks. *International Journal of Advanced Engineering Research and Science* (ISSN: 2349-6495(P) | 2456-1908(O)), 5(3), 050-057. <http://dx.doi.org/10.22161/ijaers.5.3.8>
- Sterpi, D., Angelotti, A., **Habibzadeh Bigdarvish, O.**, & Jalili, D. (2017). On the modelling of thermo-active diaphragm walls based on monitoring data. In 15th International Conference of the International Association for Computer Methods and Advances in Geomechanics, IACMAG (pp. 1-7). CHN. <http://hdl.handle.net/11311/1042914>
- Jalili, D., & **Habibzadeh Bigdarvish, O.** (2017). On the modeling of thermo-active diaphragm walls by numerical analyses and monitoring data. Politecnico di Milano, Master's Thesis. <http://hdl.handle.net/10589/134613>