

Saeed Alzahrani

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[Saeed Alzahrani - Google Scholar](#)



Education

- Ph.D., 2023, Department of Civil Engineering, University of Dayton, Ohio, USA. Dissertation: "Modeling Pile Setup for Closed-Ended Pipe Piles Driven in Cohesive Soils." Dissertation Advisor: Professor Ömer Bilgin. PhD's Committee Members: Professor Robert Liang, Professor Dennis Buchanan, Dr. Jamal Nusairat.
- M.S., 2017, Department of Civil Engineering, University of Dayton, Ohio, USA. Thesis: "Effect of Time on Soil-Geomembrane Interface Shear Strength." Dissertation Advisor: Professor Ömer Bilgin.
- B.S., 2012, Department of Civil Engineering, Al Baha University, Al Baha, Saudi Arabia.

Academic Experience

- 2023-current, Assistant Professor, Civil and Construction Engineering Dept., Imam Abdulrahman Bin Faisal University, Saudi Arabia.
- 2022-2023, Adjunct faculty, Civil Engineering Dept., University of Dayton, Ohio, USA.
- 2017-2023, Research Assistant, University of Dayton Research Institute (UDRI), Dayton, Ohio, USA.
- 2015-2022, Teaching Assistant, Civil Engineering Dept., University of Dayton, Ohio, USA.

- 2013-2014, Teaching Assistant, Civil and Construction Engineering Dept., Imam Abdulrahman Bin Faisal University, KSA.

List of Publications

- **Alzahrani, S.**, Bilgin, Ö. Prediction of Pile Setup for Driven Pipe Piles in Fine-Grained Soils Using Gene Expression Programming. *Geotech Geol Eng* (2023).
<https://doi.org/10.1007/s10706-023-02476-8>
- Bilgin, Ö., **Alzahrani, S.** Assessment of Compression Index Empirical Equations for Glaciated and Unglaciated Soils. *Int J Civ Eng* 20, 749–761 (2022).
<https://doi.org/10.1007/s40999-021-00686-w>
- Several papers are currently under review in peer-reviewed journals; the list will be updated at a later time.

Funded Research

- Co-Principal Investigator – “Saudi Arabia & United Kingdom, Joint Institute for Clean Hydrogen.” (Geotechnical & Geological Engineering Section) Funded by Ministry of Energy, Saudi Arabia. 2023-2027.
- Co-Principal Investigator – “Pile Driving Setup for Ohio Soils.” Funded by Federal Highway Administration (FHWA) & Ohio Department of Transportation (ODOT). Grant No. (104904). (PI: Professor Ömer Bilgin, other Co-PIs: Peter Narsavage, P.E., Jamal Nusairat, Ph.D., P.E., and Jerry DiMaggio, P.E.). 10/15/2017-12/25/2022.

Professional Activities

Conference’s Technical Committee Memberships

- IGIC (May 6-7, 2024), Jeddah, Saudi Arabia. International Geotechnical Innovation Conference (IGIC).

Society Memberships

- American Society of Civil Engineers (ASCE)
- International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
- Geo-Institute
- Deep Foundation Institute (DFI)
- Professional Accreditation, Saudi Council of Engineers, Credential I.D. 961510
- Member of Academic Promotions Committee at Taif University, KSA.

Reviewer

- (Elsevier) Engineering Applications of Artificial Intelligence

Professional Honors, Awards, and Recognitions

- First Class Award from Al Baha University 2012
- Albaha Award for Excellence and Innovation 2012

Conferences

- 10th International Conference on Scour and Erosion, USA, Oct 18-21, 2021
- Jubail First International Engineering & Technology Conference, Jubail Industrial City, KSA, May14-15, 2012

Professional Training

- Laboratory Safety, Dayton, OH, July 16, 2021
- Machine & Tool Safety, Dayton, OH, July 14, 2021
- Hazard Communication, Dayton, OH, March 15, 2021
- The Path Forward Student COVID-19 Training, Dayton, OH, August 31, 2020
- Fundamentals Workplace Safety, Dayton, OH, March 06, 2019
- Children on Campus and Working with Minors Policy Training, Dayton, OH, February 19, 2019

Workshops

- Frontiers in research on digitalization in geotechnical and underground engineering. ISSMGE-TC222 2nd digital workshop, 2023.
- Geotalk 5 Webinar, Piled raft foundations-characteristics, design, and applications. Orgnaizer: Geotechnical Engineers (GCC), 2023.

Teaching Activities

Undergraduate

CEE 312: Geotechnical Engineering

CEE 312L: Geotechnical Engineering Lab

Graduate

CEE 524: Foundation Design

CEE 540: Subsurface Soil Investigation

CEE 560: Retaining Structures and Slope Stability

CEE 584: Geotechnical Earthquake Engineering
CEE 590: Advanced Foundation Design

Volunteer Work

2017-2022, Performing soil tests (Demo) for high school students. Geotechnical Engineering Lab, University of Dayton, Ohio, KSA.

Software

Microsoft Office, AutoCAD, SAP 2000, Abaqus, PLAXIS, SAS, JMP Pro, Minitab, GeneXpro, Eureka, ArcGIS, OriginPro, Grapher