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Personal Information

Sex: Male
Birth Date: 01/10/1992 (D/M/Y)
Nationality: Turkish

OBJECTIVE

Further my knowledge in geotechnical engineering and conduct advanced studies.
Contribute to the improvement of geotechnical engineering in research and practice with innovative approaches.

RESEARCH INTERESTS

Slope Stability, Probabilistic Assessment, Landslide Early Warning Systems, Geotechnical Risk Assessment, Geotechnical Earthquake Engineering, Geosynthetic-Soil Interaction

EDUCATION

High School: Hacı Ömer Tarman Anatolian High School (83.77 / 100), 2006-2010

Undergraduate: Middle East Technical University (METU), 2010-2015
Civil Engineering Department, B.S. degree June 2015
CumGPA: 3.71 / 4.00 (3rd ranking out of 278 fourth-year students)

Graduate: Middle East Technical University, M.S., 2015-2018
Civil Engineering Department - Geotechnical Engineering, M.S. degree December 2017
CumGPA: 4.00 / 4.00 (Course Performance Award by METU Graduate School of Natural and Applied Sciences). M.S. Thesis Title: "Spatial Probabilistic Evaluation of Sea Bottom Soil Properties and Its Effect on Foundation Design"

Norwegian University of Science and Technology, Ph.D., 2018-
Department of Civil and Environmental Engineering, Geotechnical Engineering
Ph.D. Topic: "An innovative landslide assessment framework using the Internet of Things (IoT)"

Courses taken:

CE464	Ground Improvement	CE563	Advanced Soil Mechanics I
CE467	Introduction To Soil Dynamics	CE564	Advanced Soil Mechanics II
CE469	Shear Strength And Slope Stability In Soils	CE587	Structural Optimization
CE561	Topics in Environmental Geotechnics	CE5601	Geotechnical Earthquake Engineering
CE562	Applications Of Geosynthetics	CE7009	Geotechnical Laboratory Techniques
GEOE 517	Advanced Geostatistics		

AWARDS & HONORS

- Ranking in the top 1%, out of 1.5 million high school graduates in nationwide University Admission Exam, June 2010
- 8 High Honor certificates (GPA greater than 3.50 out of 4.00 in a semester) in undergraduate years, out of 8 semesters.
- Ranking as the top 3rd student among 278 graduating senior students, METU Civil Engineering Department, June 2015
- 3rd ranking as a two-student-team in Geoprediction 2017 geotechnical student competition organized by American Society of Civil Engineers (ASCE) GeoInstitute, March 2017, Orlando, Florida.
- Course Performance Award by METU Graduate School of Natural and Applied Sciences, 2017 (for completing M.S. coursework in two semesters with the highest Cumulative Grade Point Average in the department)

PUBLICATIONS

- Oguz, E. A., Yalcin, Y., & Huvaj, N. (2017). Probabilistic Slope Stability Analyses: Effects of the Coefficient of Variation and the Cross-Correlation of Shear Strength Parameters. Proceedings of Geotechnical Frontiers 2017, ASCE GeoInstitute Conference, Orlando, Florida, USA, 12-15 March 2017, pages 363-371
- Oguz, E. A., Huvaj, N., & Griffiths D. V. (2018). Vertical Spatial Correlation Length Based on Standard Penetration Tests. Marine Georesources and Geotechnology Journal. doi:10.1080/1064119X.2018.1443180.
- Oguz, E. A., Huvaj, N. (2017). Variability in Seabottom Sediments and Effects on Bearing Capacity and Settlement of Strip Foundations, 7th Geotechnical Symposium with International Participation, 22-24 November 2017, Istanbul, Turkey. (in Turkish)
- Oguz, E. A. (2017). Spatial Probabilistic Evaluation of Sea Bottom Soil Properties and Its Effect on Foundation Design. Middle East Technical University. M.S. Thesis. Ankara, Turkey.
- Oguz, E. A., Huvaj, N., & Uyeturk, C. E. (2018). Variability in Offshore Soils and Effects on Probabilistic Bearing Capacity. 9th European Conference on Numerical Methods in Geotechnical Engineering. 25-27 2018, Porto, Portugal.
- Huvaj, N., Oguz, E. A. (2018). Probabilistic Slope Stability Analysis: A Case Study. Sakarya University Journal of Science, 22 (5), 1458-1465. doi:10.16984/saufenbilder.430032
- Oguz, E.A. and Huvaj, N. (2019). Spatial Probabilistic Evaluation of Offshore/Nearshore Sea Bottom Soils Based on Cone Penetration Test, Bulletin of Engineering Geology and the Environment (accepted, 07.07.2019)
- Oguz, E. A., Robinson, K., Depina, I., & Thakur, V. (2019). IoT-Based Strategies for Risk Management of Rainfall-Induced Landslides, a Review. 7th International Symposium on Geotechnical Safety and Risk (ISGSR 2019)
- Depina, I., Oguz, E. A., & Thakur, V. (2019). Learning about Uncertain Predictions of Rainfall-Induced Landslides from Observed Slope Performance. 7th International Symposium on Geotechnical Safety and Risk (ISGSR 2019)
- Depina, I., Oguz, E. A., & Thakur, V. (2020). Novel Bayesian framework for calibration of spatially distributed physical-based landslide prediction models. Computers and Geotechnics, 125, 103660.

UNPUBLISHED PRESENTATIONS

- Oguz, E. A (2017). Examples of Nearshore/Offshore Seabed Soil Properties in Turkey, UK Newton Fund Workshop on Offshore Wind and Wave Energy for Turkey, 11-14 September 2017, Middle East Technical University (oral presentation)
- Oguz, E. A, Uyeturk (2017). Prediction of Time-Dependent Settlement and Lateral Deformation under an embankment, Geoprediction Geotechnical Student Competition at Geotechnical Frontiers Conference organized by ASCE GeoInstitute at Orlando, Florida, USA, 13 March 2017 (oral presentation) (3rd rank in the competition)

EXPERIENCE

- 2011 Summer - Intern Civil Engineer at Erdoğan Construction- Construction site of a high rise reinforced concrete apartment building, Ankara, Turkey
- 2013 Summer - Intern Civil Engineer at Pasifik Construction- Next Level, Construction site of three high rise reinforced concrete apartment buildings Ankara, Turkey
- 2014 Summer - Intern Civil Engineer at NÖMAYG- İzmit Bay Bridge Construction, Construction of the suspension bridge with the fourth longest main span in the world, İzmit, Turkey
- 2015-2018 - Graduate Research/Teaching Assistant at METU Civil Engineering Department

Courses Assisted:

Soil Mechanics (CE 363-CE364), Foundation Engineering (CE 366), Introduction to Soil Dynamics (CE467), Use of In-Situ Tests In Geotechnical Engineering (CE460), Advanced Soil Mechanics II (CE564), Ground Improvement (CE 464)

Duties:

- Evaluation of homework & lab reports
- Conducting various soil mechanics laboratory experiments
- Problem-solving lectures (Recitations)
- Development and maintenance of course web pages (Wordpress)
- Assisting semester projects

2018-Present - Ph.D. candidate / Research Assistant at NTNU, Department of Civil and Environmental Engineering, Geotechnical Engineering

LANGUAGES

Turkish (Native)

English (Advanced)

Norwegian (Basic)

TOEFL: 96 (April 2018), YDS: 85/100 (Language Proficiency Test administered in Turkey, September 2017)

GRE: Verbal 142, Quantitative 168, Analytical Writing 3 (December 2016)

SKILLS

Microsoft Offices, Rocscience-Slide, Settle/3D and RS2, PLAXIS, MATLAB, Python, DeepSoil, SeismoSignal, Seep/W, Autodesk AutoCad

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- Udemy online course entitled: Competency in Geotechnical Analysis, “Perform better geotechnical numerical analysis”, Certificate Number: UC-U4Z1568A
- Member of Turkish Chamber of Civil Engineers 2015, Turkish Association of Soil Mechanics and Geotechnical Engineering, ASCE GeoInstitute 2016
- Member of organizing committee, “Workshop on Legal, Technical and Commercial Roadmap for Supporting Offshore Wind Investments in Turkey”, funded by British Embassy Foreign Commonwealth Office, 28 February 2017