Fauzi H. Jarushi

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CURRENT POSITION

Associated Professor
University of Tripoli, Faculty of Engineering, Tripoli

EDUCATION

2008-2013 **Florida Institute of Technology,** Melbourne, Florida
- Ph. D in Geotechnical Engineering (May, 2013)

Dissertation: Evaluating Geotechnical Engineering Properties Associated with High Pile Rebound.
- Master in Geotechnical Engineering (July, 2011)

2005-2007 **National University of Malay**, Bangi, Malaysia
Master in Structural Engineering (December, 2006)
Thesis: The Effect of Wind Loads on Precast Concrete Structures

1998-2003 **University of Serte,** Serte, Libya
BS.c in Civil Engineering (July, 2003)

ADMINISTRATION EXPERIENCE

2015-2019 **Registrar of the Faculty of Engineering**
University of Tripoli, Tripoli, Libya

2014 -2015 **Study and Examination Program Coordinator**
Department of Civil Engineering, University of Tripoli

TEACHING EXPERIENCE

July 2013-Present **University of Tripoli, Tripoli, Libya –**
Courses and Laboratory sessions
- Geotechnical Engineering (CE242)
- Soil Mechanics lab (342L)
- Soils Mechanics Theoretical (342T)
- Soil Mechanics II (442)

June 2010- May 2013 **Florida Institute of Technology**, Melbourne, Florida, USA
Courses and Laboratory

- Construction Measurements
- Materials lab.
- Computer Application (Microsoft office and AutoCAD)
- Introduction to Civil Eng.
- Soil Mechanics lab.
- Soil and Foundation Design

RESEARCH EXPERIENCE

June 2009-June 2010 **Research Assistant,**
Advisor: Paul J. Cosentino, PhD. PE. Design Phase Identification of High Pile Rebound Soils.

TEACHING INTERESTS

- Geotechnical Engineering (All levels)
- Structural Analysis and Reinforced Concrete Design
- Computer Application
- Materials and soils laboratory
- Surveying and Construction Measurements

ACADEMIC AWARDS

- Chi Epsilon, Civil Engineering Honor Society, 2012.
- Outstanding Graduate Student, Florida Institute of Technology, Melbourne, FL 2011.
- TAU BETA PI, Life Time Honor Society 2011.
- Phi Kappa Phi, Honor Society, 2010.
- PhD scholarship (Libyan Government), Florida Institute of Technology, 2008- 2012.

COMPUTERS

- Microsoft Office (MS Words, MS Excel, MS Power Point)
- AutoCAD
- Ms Project, Slope/w
- Staad Pro
- SPSS
- PDA and PDIPLOT

PUBLICATIONS

- Fauzi H. Jarushi, Salah S. Hamuda 9 (2020), Musbah Hasan & Adel Alhamadi. Axial pile capacity from CPT data in difficult soil. GeoVirtual, 14-16 September (2020), Vancouver, Canada
- Fauzi H. Jarushi, Salah S. Hamuda & Mohamed Aldawi (2020), Correlation between the standard penetration test and the dynamic cone penetration test for sandy soil. GeoVirtual, 14-16 September (2020), Vancouver, Canada
- Fauzi H. Jarushi, Abduallh Taliballh. (2020) Effect of Cement Dust on Engineering Properties of Silty Sand Soils. International Journal of Engineering Innovation & Research, Vol.10(2), pp 61-69.

- mran Kensle, Alan O'Connor, Mohammed Suleiman, Fauzi Jarushi. (2021). Role of Spatial Variability in the Service Life Prediction of RC Bridges Affected by Corrosion
- Fauzi Jarushi., Hamuda. S., Hasan. M. (2015). Measured Versus Predicted Bearing Capacity of Large Displacement Pile in Difficult Soils., International Journal of Engineering Innovation & Research, Vol.4(3), pp 500-505.
- Fauzi Jarushi, S. Alkaabi, Paul Cosentino. (2015). A New Correlation between SPT and CPT for Various Soils. International Journal of Environmental, Ecological, Geological and Geophysical Engineering Vol. 9(2), pp. 101-107.
- Musbah A. Hasan, Ahmed M. Nasr, Fauzi Jarushi. Influence of Different Parameters on the Behavior Of A Laterally Loaded Pile In Sand. Proceedings of the 40th Annual Conference on Deep Foundations in Oakland, California, October 12–15, 2015, pp. 467-476.
- Fauzi Jarushi, Paul Cosentino, Edward Kalajian, Hadeel Dekhn. (2015). CPT Pore Water Pressure Correlations with PDA to Identify Pile Drivability Problem. International Journal of Environmental, Ecological, Geological and Geophysical Engineering Vol. 9(2), pp. 55-61.
- Fauzi Jarushi., Cosentino, P.J, and Kalajian E.H. (2013). Piezocone Penetration Testing in Florida High Pile Rebound Soils. Deep Foundation Journal. Vol. 7(2), pp. 28-45.
- Fauzi Jarushi, (2013). Evaluating Geotechnical Engineering Properties Associated with High Pile Rebound. Florida Institute of Technology, Melbourne, Florida.
- Fauzi Jarushi., Cosentino, P.J, and Kalajian E.H., (2013) "Prediction of High Pile Rebound with Fines Content and Uncorrected Blow Counts from Standard Penetration Test. The Transportation Research Record Journal of the Transportation Research Board. pp. 47–55.
- Cosentino, P. Kalajian, E. Misilo, T, Chin Fong, Y. Davis, K., Jarushi F., Bleakley A., Hussein M. H., and Bates, Z.. Design Phase Identification of High Pile Rebound Soils. Technical report, Contract BDK81 Work Order 977-01, Florida Department of Transportation, 2010.
- Fauzi Jarushi. (2006). The Effect of Wind Loads on Precast Concrete Structures, National University of Malay.

PAPERS PRESENTED

- Identifying High Pile Rebound Soils Using CPT Pore Water Pressure Measurements: Case Studies in Central Florida. 92nd Annual TRB Meeting, January 13-17, 2013, Washington, D.C.
- Using Fines Content and Uncorrected SPT Blow Counts of Soils to Predict High Pile Rebound. The 92nd TRB Annual Meeting, January 13-17, 2013, Washington, D.C.
- CPT Pore Water Pressure Correlations With. PDA Rebound to Indentify High Pile Rebound. Soils: Case Studies in Florida. 43rd Annual Southeastern Transportation Geotechnical Engineering Conference; October 22-25, 2012, Richmond, Virginia
- Identifying High Pile Rebound Soils Using CPT Pore Water Pressure Measurements: Case Studies in Central Florida. 13th Annual Design and Installation of Cost-Efficient Piles; 10/11/2012, Seattle, WA.
- Identification of High Pile Rebound Soils: The Mysterious Case of the Bouncing Pile. PDCA 16th Annual International Conference and Expo; April -24-2011-April-27; Orlando, Florida.

REFERENCES

References available on request