**MOHAMED ASHOUR, Ph.D., P.E.**

Associate Professor and Coordinator of Civil Engineering program

Department of Mechanical and Civil Engineering

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**Education**

Ph.D. Civil (Geotechnical) Engineering, University of Nevada, Reno(1998)

M.S. Civil Engineering, Mansoura University, Egypt, Egypt (1991)

B.S. Civil Engineering, Mansoura University, Egypt (1986)

**Appointments**

2017-Present Associate Professor, and Coordinator of Civil Engineering program Alabama A&M University, Huntsville, AL

2013-2016 Professor and Head of Building & Construction Program, Department of Structural Engineering, Mansoura University, Egypt

2008-2013 Associate Professor, Department of Civil and Environmental Engineering, University of

Alabama, Huntsville, AL

2005-2008 Assistant Professor, Civil Engineering Department, West Virginia University, Institute of Technology (WV-Tech), WV

1999-2004 Research Assistant Professor, Department of Civil and Environmental Engineering, University of Nevada, Reno, NV

**Research interests**Soil-Structure-Interaction; Laterally and Axially Loaded Piles/Large Diameter Shafts; Soil Modeling; Soil Liquefaction and Lateral Soil Spread, Slope Stabilization; Seismic Behavior of Deep Foundations and Bridge Abutments; Experimental Testing.

**Teaching Interests**Soil Mechanics, Advanced Soil Mechanics, Foundation Design, Advanced Geotechnical Engineering, Retaining Structures, Seepage and Water Flow, Earthquake Engineering, Slope Stability, Mechanics of Materials, Statics, Civil Engineering Materials, Dams and Earth Structures, Finite Element Method, Structure Analysis, Computer Programing.

**Professional Memberships/Activities**

Licensed Professional Engineer, P.E., California and Nevada

Member of American Society of Civil Engineers (ASCE)

Member of the Deep Foundation Institute (DFI)

Member of the Southeast Asian Geotechnical Society (SEAGS)

**Selected Publications**

Ibrahiem, A., Ashour, M., and El-Tahrany, A. (2018) "Pile Response Under Axial Tension Forces in Sandy

Soils." Journal of Bridge Engineering, ASCE, (Accepted, in press)

Ashour, M., and Helal, A. (2017) “Pre-Liquefaction and Post-Liquefaction Responses of

Axially Loaded Piles in Sands.” International Journal of Geomechanics, ASCE, Vol. 17, No. 9.

Ashour, M., and Helal, A. (2014) “Contribution of Vertical Skin Friction to the Lateral Resistance of Large

Diameter Shafts” Journal of Bridge Engineering, ASCE, Vol. 19, No. 2, pp. 289–302.

Ashour, M., and Ardalan, H. (2012). “P-y Curve and Lateral Response of Piles in Fully Liquefied Sands.” Canadian Geotechnical Journal, Vol. 49, pp. 633-650.

Ashour, M., and Ardalan, H. (2012) “Analysis of Pile Stabilized Slopes Based on Soil-Pile interaction.”

Journal of Computers and Geotechnics, ELSEVIER, Vol. 39, No. 1, pp. 85-97.