



Eric J. Steward, Ph.D., P.E.

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EDUCATION

Louisiana Tech University	Engineering (Geotechnical)	Ph.D.	2011
Dissertation Title: <i>A Deterministic Method of Predicting Long-Term Pile Capacity in Cohesive Soils after the Dissipation of Excess Pore Water Pressure</i>			
Louisiana Tech University	Civil Engineering	M.S.	2011
Practicum Title:			

RESEARCH INTERESTS

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Ashraf Mohamed, Committee Member, (Chair – J. Cleary), August 2015

"Predicting Ground Vibrations from Driving Scaled Piles"

Ronald Jones, **Chair**, May 2015

"Evaluation of pile setup using dynamic restrike analysis in the State of Alabama"

Cody Salter, Committee Member, (Chair – J. Richardson), February 2015

"Closed-form solution for couple-stress formulation of smoothly heterogeneous media"

Kibum Kwon, Committee Member, (Chair – A.V. Phan), Dec. 2014

"LaPlace-SGBEM analysis of the dynamic stress intensity factors and the dynamic T-stress for the interaction between a crack and auxetic inclusions"

Matthew Tabor, Committee Member, (Chair – A. Whelton), May 2014

"The Affect of Rehabilitated Stormwater Infrastructure on Water Quality and Daphnia magna Toxicity: A Field and Laboratory Investigation"

Andrew Gillis, Committee Member, (Chair – J. Cleary), May 2014

"Utilizing driven pile installation to predict ground vibration propagation"

Thomas Hassall, Committee Member, (Chair – K. White), Dec. 2012

"Biological Nitrogen Removal: Process Fundamentals, Kinetics & Configurations"

Master's Coursework

AnnaMarie Smith, *current*

Zachary Sherman, *current*

Oskar Velasquez Flores, 2021

Benjamin Gravlee, 2015

David Teague, 2014

Jared Landry, 2014

Greg Mercer, 2013

Samuel Sternberg, 2012

Blake Betbeze, 2012

UNDERGRADUATE RESEARCH STUDENTS

Nicolas Naylor, Fall 2018 - 2019

"Pile Driving Load Testing Analysis in GIS Utilized by the Alabama Department of Transportation"

Dillon Draughn, Summer 2018

"Organization and Analysis of Pile Driving Load Test Data by the Mississippi Department of Transportation"

Brittany McMillan, Summer 2016

"Analysis of the WBUZPILE Pile Driving Software Utilized by the Alabama Department of Transportation"

Brandon Smith, Fall 2013 - Spring 2014

“Organizing and evaluating pile setup using dynamic restrike analysis in the State of Alabama”

Raymond Buchanon, Jr., Summer 2013

“An experimental evaluation of the effects of



Steward, E. J., McMillan, B. (Supporting), "ALDOT Soil Mechanics Workshop," Sponsored by
