



Wesley N. Donald, Ph.D.

Research Fellow IV

Department of Civil & Environmental Engineering

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Stormwater Experience:

16 years

Education:

Ph.D. (2013), M.S. (2010), B.S. (2007), Civil Engineering, Auburn University

Professional Affiliations:

Chair, International Erosion Control Association Editorial Committee (2017 -present)

Member, International Erosion Control Association Standards & Practices Committee (2012 - present)

Member, International Erosion Control Association Stormwater Committee (2017 -present)

Member, Committee D18 on Soil and Rock: ASTM International ASTM D7208 Tech. Contact (2015-present)

PROFESSIONAL EXPERIENCE

- Research Fellow IV, Civil & Environmental Engineering, Auburn University, 2014-Present
- Post-Doctoral Fellow, Civil & Environmental Engineering, Auburn University, 2013-2014
- Graduate Research Asst., Civil & Environmental Engineering, Auburn University, 2008-2013

SELECTED PUBLICATIONS

- Clampitt, J.E., Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., and Craig, A.J., (2023). *Hydraulic Evaluation of Wattle Encasement Materials*, Transp. Research Record.
- Schussler, J.C., Perez, M.A., Donald, W.N., Whitman, J.B., Zech, W.C., Fang, X., and Fagan, B. (2022). *A Decade of Research in Review: The Auburn University Stormwater Research Facility*. Transportation Research Record.
- Liu, L., Perez, M.A., Whitman, J.B., Donald, W.N., and Zech, W.C. (2021). *SILTspread: A Performance-Based Approach for the Design and Installation of Silt Fence Sediment Barriers*, ASCE Irrigation and Drainage Eng.
- Perez, M.A., Zech, W.C., Donald, W.N., Turochy, R.E., and Fagan, B.G. (2019). *Transferring Innovative Erosion and Sediment Control Research Results into Industry Practice*, Water.
- Whitman, J.B., Zech, W. C., and Donald, W.N. (2019) *Full-Scale Performance Evaluations of Innovative and Manufactured Sediment Barrier Practices*. Transportation Research Record Journal of the Transportation Research Board. Transportation Research Board, Washington, D.C.
- Donald, W.N., Zech, W.C., Fang, X., and Perez, M.A.* (2016). *Development of a Hydraulic Method to Evaluate Performance of Ditch Check Practices and Products*, Technical Paper HEENG-2777R1, ASCE J. of Hydrologic Engineering.
- Perez, M.A., Zech, W.C., Donald, W.N., and Fang, X. (2016). *SEDspread: A Sediment Basin Design Tool for Construction Sites*, ASCE J. of Irrigation and Drainage Eng.
- Perez, M.A., Zech, W.C., Donald, W.N., and Fang, X. (2016). *Design Methodology for the Selection of Temporary Erosion and Sediment Control Practices based on Regional Hydrological Conditions*, ASCE J. of Hydrologic Eng.
- Perez, M.A., Zech, W.C., Donald, W.N. and Fang, X., (2016) *Installation Enhancements to Common Inlet Protection Practices (IPPs) using Large-Scale Testing Techniques*, Transportation Research Record.
- Donald, W.N., Zech, W.C., and Fang, X. (2014). *Comparative Evaluation of Wattle Ditch Checks Composed of Differing Materials and Properties*. ASCE J. of Irrigation and Drainage Engineering

SELECTED OUTREACH AND TRAINING

- Co-Instructor/Developer, *Innovative ESC Field Day*, AU-SRF, annually since 2014
- Co-Instructor/Developer, *Hands-on ESC Installer Training*, AU-SRF, annually since 2015
- Co-Instructor/Developer, *Design Fundamentals of ESC Measures for Construction Activities*, International Erosion Control Association. 6-hr Online Workshop, 2018.
- Instructor, *Research Showcase at the AU-SRF*, 17th Annual International Erosion Control Association Environmental Connection Conference. Opelika, AL, 2017

PROFESSIONAL SOCIETY MEMBERSHIPS:

- International Erosion Control Association (IECA) Member #62183
- ASTM International (ASTM) Member #1819603

PROFESSIONAL AWARDS

- Four Under 40 Young Professional Award, International Erosion Control Assoc., 2019
- Most Distinguished Technical Paper Award, International Erosion Control Assoc. (2024, 2023, 2021, 2019, 2012)