

Name and Academic Rank

L. Sebastian Bryson, Assistant Professor

Education

Ph.D. in Civil Engineering	Northwestern University	12/2002
M.Eng. in Civil Engineering	Howard University	5/1992
B.S. in Civil Engineering	Florida A&M University	5/1987

Years of Service

Appointment: 1 August 2006
Years of Service: 4 years

Academic and Professional Experience

Assistant Professor	University of Kentucky	8/2006 – present
Assistant Professor	Ohio University	11/2001 – 6/2006
GE Faculty Intern	Northwestern University	9/2000 – 9/2001
Teaching and Research Assistant	Northwestern University	9/1998 – 9/2000
Geotechnical Engineer	CH2M HILL, Inc.	1/1992 – 9/1998
Research Engineer	Federal Highway Administration	1/1990 – 1/1992
Research Engineer	Los Alamos National Laboratory	1/1989 – 1/1990

Licensure

Registered Professional Engineer: Wisconsin, Illinois, Ohio, Indiana, Michigan

Selected Publications

Bryson, L.S. and Gomez-Gutierrez, I. C.¹, (2011). "Development of a new durability index for compacted shale," *Journal of Geotechnical and Geoenvironmental Engineering*, ASCE, in review.

Bryson, L.S. and Salehian, A.¹, (2011). "Performance of constitutive models in predicting behavior of remolded clay," *Acta Geotechnica*, in review.

Bryson, L.S. and Zapata-Medina, D.G.¹ (2011). "Method for estimating system stiffness for excavation support walls," *Journal of Geotechnical and Geoenvironmental Engineering*, ASCE, in review.

Bryson, L.S. and Kotheimer, M.J.¹ (2010). "Cracking in Walls of a Building Adjacent to a Deep Excavation," *Journal of Performance of Constructed Facilities*, ASCE, in print.

Bryson, L.S. and Zapata-Medina, D.G.¹ (2010). "Finite Element Analyses of Secant Pile Wall Installation," *Proceedings of the Institution of Civil Engineers, Geotechnical Engineering*, ICE, Vol. 163, No. 4, pp. 209-219.

Bryson, L.S. and Bathe, A.¹ (2009). "Determination of Selected Geotechnical Properties of Soil using Electrical Conductivity Testing," *Geotechnical Testing Journal*, ASTM, Vol. 32, No. 3, pp. 252-261.

Bryson, L.S. and Zapata-Medina, D.G.¹ (2010). "Direct Approach for Designing an Excavation Support System to Limit Ground Movements," *Earth Retention 2010 Conference*, Bellevue, WA, 1-4 August, 8 pp.

Anderkin, M.¹ and Bryson, L.S. (2010). “Critical State Parameters of Kentucky Clay,” *GeoShanghai International Conference*, Shanghai, China, 3-5 June, 6 pp.

Bryson, L.S., Lutz, T.¹ and Barnes, A.¹ (2010). “Issues of Signal Strength of Wireless Sensors for Civil Infrastructure Monitoring,” *SPIE Symposium on SPIE Smart Structures and Materials + Nondestructive Evaluation and Health Monitoring*, San Diego, USA, 7-11 March, 8 pp.

Bryson, L.S., Barnes, A.¹ and Lutz, T.¹ (2009). “Deformation Obtained from Wireless Sensor Motes,” *4th International Conference on Structural Health Monitoring on Intelligent Infrastructure (SHMII-4)*, Zurich, Switzerland, 22-24 July, 9 pp.

¹ Graduate Student

Professional Affiliations

- American Society of Civil Engineers
- Canadian Geotechnical Society
- International Society of Soil Mechanics and Foundation Engineering
- British Geotechnical Association
- ADSC: The International Association of Foundation Drilling

Academic Honors and Awards

- Inducted into Omicron Delta Kappa, National Leadership Honor Society, 2007
- Thomas A. Middlebrooks Award, American Society of Civil Engineers, 2004
- Geotechnical Student Fellowship, American Society of Civil Engineers, Illinois Section, 2000
- Dwight D. Eisenhower Research Fellowship, Federal Highway Administration, 1990
- US Representative for NATO Conference on Flow Through Porous Media, 1989
- ASCE Student Chapter President, Florida A and M University Student Chapter, 1986 and 1987
- Co-Founder of the National Society of Black Engineers, Florida A and M University Chapter, 1986

Special Service Performed for University

- Served as a member of the CE Department Chair Performance Review committee (March 2009)
- University of Kentucky Center for Academic Resources and Enrichment Services (CARES), Freshman Summer Program (FSP) Science and Engineering Shadowing
- Served as a faculty representative for the annual Minority Engineering Day program

DOE Brakedown

Instruction: 40%; Research: 50%; Service: 5%; Prof. Development: 5%; **Total: 100%**