

## Education

- M.S., Civil Engineering**  
Georgia Institute of Technology, 1998
- B.S., Civil Engineering**  
University of Akron, 1996
- B.S., Human Ecology**  
Ohio State University, 1992

## Affiliations

- **CMAA** (*Construction Management Association of America*) Board of Directors, (2012-2015)  
Chair, Education Committee 2008-20105
- **ASCE** (*American Society of Civil Engineers*) Affiliate Member
- **USGBC** (*United States Green Building Council*) Faculty Advisor, Student Chapter 2009-Present
- **OCA** (*Ohio Contractor's Association*) Advisor/Mentor, State Estimating Competition Team 2010-11, 2011-12
- **Habitat for Humanity**, Non-Profit Service Organization, Continuing Consultant, LEED for Homes Project, 2009-10, 2010-11, 2011-12, Faculty Leader, 2009-10
- **Rebuilding Together**, Non-Profit Service Organization, Faculty Leader, 2008-09, 2009-10, 2010-2011, 2011-12

## Accreditations

- PE, State of Ohio, Reg. No. E-66233
- PE State of Pennsylvania No PE062800 (expired)
- CYT 200 Certified Yoga Instructor & Instructor of Stress Management

## Professional and Teaching Interests

- Service Learning
- Construction Data Management
- Geomechanics and Ground Improvement Technologies
- Sustainable Building Technologies
- Engineering Instrumentation
- Stress Management

## Publications & Presentations

- With David Bowker (Purdue University), STEM workshop at HECA Vision Conference (Higher Education Consultants Association), **How are STEM Majors Similar and Different?** June 17, 2015, Cincinnati
- with Perrin, S.V. and Kohtz, A., *Cost Segregation Study: Maries County Bank – Vichy, MO*, 11JAN11
- Presenter, *Principals of Soils*, Education & Training Seminar, for G.Stephens Inc., 11SEP09
- *Guide for Augered Cast-In-Place Pile Inspection*; Black & Veatch Civil/Structural Department Standards; October, 2007
- with Jones, W. C. (2000) . *Foundation design guide for directly embedded concrete poles using LPile<sup>plus</sup> version 3.0*, prepared for Georgia Transmission Corporation, by Black & Veatch, May.
- with Schneider, J.A., Mayne, P.W., and Hendren, T.L. (1998). *Initial development of an impulse piezovibrocone for liquefaction evaluation*, Proceedings, International Conference on Physics and Mechanics of Soil Liquefaction, Johns Hopkins University, Baltimore, MD, September 10-11, 1998, Balkema, Rotterdam.
- (1998) *Development of a Prototype Piezovibrocone Penetrometer for In-Situ Evaluation of Soil Liquefaction Susceptibility*, M.S. Thesis, Georgia Institute of Technology, Department of Civil and Environmental Engineering.

## Professional Experience

8/08 to Present	<p><b>University of Akron, Akron, OH</b> <i>Associate Professor, Construction Engineering Technology,</i> Department of Engineering and Science Technology</p> <ul style="list-style-type: none"> <li>• 8/13 to Present - Associate Professor</li> <li>• 1/10 to 8/13 - Program Director</li> <li>• 8/08 to 1/10 - Assistant Professor</li> </ul>
1/07 to 5/08	<p><b>Stark State University, North Canton, OH</b> <i>Adjunct Faculty</i></p> <ul style="list-style-type: none"> <li>• Instructor for CET125: Soil Mechanics</li> </ul>
3/04 to 8/08	<p><b>Black &amp; Veatch, Overland Park, KS</b> 9/07 to 8/08 Lead Geotechnical Design Engineer, Renewables</p> <ul style="list-style-type: none"> <li>• Lead Geotechnical Design Engineer, Renewables – responsible for renewables profit center and group liaison to renewables division of consulting engineering services</li> <li>• Feasibility studies and estimating.</li> <li>• Freelance status starting 8/08.</li> </ul>
	<p>10/06 to 9/07 Conesville, OH - <i>Lead Design and Resident Engineer</i></p> <ul style="list-style-type: none"> <li>• Design and onsite oversight of foundation construction for \$500 mil coal-fired power plant air quality control systems.</li> </ul>
	<p>3/04 to 10/06 Cleveland, OH – <i>Construction Manager and Resident Engineer</i></p> <ul style="list-style-type: none"> <li>• Management of a Brownfield demolition/remediation site in Cleveland, Ohio.</li> <li>• Contract negotiations, scope of work and specification generation, permitting submittals, bid solicitation and reviews, and scheduling.</li> <li>• Responsibilities include resident engineer and project representative, management of site staff, air monitoring program, community relations, site safety coordinator, pay requisition approval, and project closeout.</li> </ul>
3/03 to 3/04	<p><b>BBC&amp;M Engineering, Inc., Cleveland, OH</b> <i>Geotechnical Project Engineer</i></p> <ul style="list-style-type: none"> <li>• Project Management and Geotechnical Design for major projects including slope stabilizations, shallow and deep foundations, interstate highway expansion, and electrical substation design, oversight of construction QA/QC monitoring</li> <li>• Development of company website (bbcm.com)</li> </ul>
4/98 to 1/03	<p><b>Black &amp; Veatch, Overland Park, KS</b> <i>Geotechnical Engineer</i></p> <ul style="list-style-type: none"> <li>• Geotechnical Engineer</li> </ul>

## Service

Organization	Type	Position	Level	Academic Term
Ohio Board of Regents	State Board	Lead Expert, Pre-Construction Design	State	2011-2012, 2012-2013, 2014-15
Ohio Department of Education	State Department	Member, Business Futuring Panel	State	2011-2012, 2012-2013
USGBC ( <i>United States Green Building Council</i> )	Professional Org	Faculty Advisor, Student Chapter	University	2009 to present
OCA ( <i>Ohio Contractor's Association</i> )	Professional Org	Advisor/mentor, State Estimating Competition	Professional	2010-11, 2012-2013
National Park Kitchen Garden Design Team	University Multi-disciplinary Design Team	Advisor/mentor	University	2012-2013
G.E. Stephens, Inc.	Construction Company	Consultant, Employee Training, Earthwork Operations	Professional	2010-11
Rolf, Perrin & Associates, P.C.	Accounting Firm	Consultant, Cost-Segregation Study	Professional	2010-present