

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

- OHIO FOREST SANCTUARIES, 401(c)(3)** – President, Board of Directors, 2020-Present
- CMAA** (*Construction Management Association of America*) Ohio Chapter, Education Committee 2008-Present; Ohio Chapter, Board of Directors, 2012-2015, 2019-Present; Faculty Advisor UA Chapter 2014-Present
- JOURNAL OF NEW CONSTRUCTION TECHNOLOGY** – Editorial board, 2019-present
- ASCE** (*American Society of Civil Engineers*) Affiliate Member (2013-Present)
- SECONDARY-CAREER TRANSFER ALIGNMENT INITIATIVE (SCTAI)**
- FACULTY PANEL** - Faculty Panel Member, Lead Expert, Pre-Construction Technology, Fall 2011-Present
- USGBC** (*United States Green Building Council*) Faculty Advisor, Student Chapter 2009-Present

Accreditations

- PE State of Ohio, Reg. No. E-66233
- PE State of Pennsylvania No PE062800 (inactive)
- Certified Yoga Instructor, CYT 200, 2006
- Stress Management Teacher Certification, Integral Yoga Institute, YA 90 hours, 2012

Professional and Teaching Interests

- Service Learning
- Mindfulness in Education
- In-Situ Geotechnical Testing
- Sustainable Building Technologies
- Geomechanics and Ground Improvement Technologies
- Engineering Instrumentation
- Construction Cost Segregation
- Stress Management

Publications & Presentations

- Pending: Title of Study: Integrating Mindfulness-Based Interventions in College STEM Courses
- with Rawlings, P.R., *Creating an Advanced Residential Construction Course (2018)*. Proceedings of the 2018 ASEE North Central Section Conference, American Society for Engineering Education
- *Teaching Soil Mechanics to the Would-Be Construction Professional (2017)*. Proceedings of the 2017 ASEE Zone II Conference, San Juan, Puerto Rico, American Society for Engineering Education
- 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^{plus} 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.

Service

Organization	Type	Position	Level	Dates
Ohio Department of Education	University	Member, Business Futuring Panel	State	2011-2012
Journal of New Construction Technology	Professional Org	Editorial board,	Professional	2019-Present
Make a Difference Day	Steering Committee	Member	University	2010-11
Rockin' for Relief Alternative Spring Break Fundraiser	Steering Committee	Chair	Program	2008-12
Ambassadors for Rebuilding	Student Service Organization	Faculty Advisor	Department	2011-Present
ACSE (American Society of Civil Engineers)	Professional Org	Affiliate Member	Professional	2009-Present
USGBC (United States Green Building Council)	Professional Org	Faculty Advisor, Student Chapter	University	2009-12
Habitat for Humanity	Non-Profit	Consultant, LEED for Homes Project	University	2009-12

Organization	Type	Position	Level	Dates
Rebuilding Together	Non-Profit	Faculty Leader, Service Learning	University	2008-12
Habitat for Humanity	Non-Profit	Faculty Leader, Service Learning	University	2009-10
Camp Paradise	Non-Profit	Advisor/Mentor, Service Learning	University	2009-10
ODHE (formerly Ohio Board of Regents), Ohio Secondary-Career Transfer Alignment Initiative (SCTAI) Faculty Panel	State Board	Lead Expert, Pre-Construction Technology	University	2011-Present
Ohio Department of Education	State Department	Member, Business Futuring Panel	University	2011-13
OCA (Ohio Contractor's Association)	Professional Org	Advisor/mentor, State Estimating Competition	University	2010-13
National Park Kitchen Garden Design Team	University Multi-disciplinary Design Team	Advisor/mentor	University	2012-2013
UA Design & Development Services - using mindfulness techniques in STEM education	University Course Development Workshop Series	Created training video for a university course development workshop series for faculty	University	2019
Spectrum News	Coordinated and Filmed Spectrum News Segment	Titled: "University of Akron Students Build Hope for Canton Neighborhood"	University	Air Date 22Nov2019
University Council Student Engagement & Success Committee and ITL	University High Impact Teaching series	Demonstrated new mindfulness techniques that have had a positive impact on teaching	University	2020

Consulting and Professional Development

Organization	Type	Position	Description	Dates
G.E. Stephens, Inc.	Consulting, Construction Management Firm	Consultant, Employee Training, Earthwork Operations	Professional	2010
Rolf, Perrin & Associates, P.C.	Consulting, Accounting Firm	Consultant, Cost- Segregation Study	Professional	2010-11
GPD Group (Formerly Timmerman Geotechnical Group)	Consulting, Engineering Firm	Geotechnical Engineer	Residential, commercial, and infrastructure foundation and pavement design, earthwork procedures, In-situ testing, field oversight, QA/QC	2017-2019
Mark B. Weisman, Attorney, Kent, OH	Expert Testimony	Subject Expert, Construction Practices & Geotechnical Engineering	Forensic engineering, document review, Expert Opinion submittal, Expert witness testimony	2018-2019
Wertz Geotechnical Engineering, Inc.	Consulting, Geotechnical Firm	Geotechnical Engineer	Mentoring and Design Oversight	2019- Present
Ezekial Enterprises, LLC	Online Training Course	Attendee	<i>Ohio - Laws, Rules, and Ethics for Professional Engineers (3 PDH)</i>	3Nov2019
Center for Adolescent Studies	Training Course	Attendee	Course Title: Teaching Mindfulness to Teens	23NOV2019

Organization	Type	Position	Description	Dates
CITI Program	CITI Program Training Course Modules	Researcher	Human Research Gradebooks (Curriculum Group) SBR Researchers (Course Learner Group) 1 - Basic Course (Stage)	Completion Date: 14-Dec-2019 ExpirationDate: 13-Dec-2022 Record ID: 34547208
Transportation Curriculum Coordination Council (TC3); AT-TC3CN035-16-T1	Training Course	Attendee	3D Engineered Models for Construction: Introduction	8October20

Employment

- University of Akron, Akron, OH**
8/08 to Present *Professor (8/20), Construction Engineering Technology,*
Department of Civil Engineering, College of Engineering and Polymer Science
- 8/20 to Present - Professor
 - 8/13 to 7/20 - Associate Professor
 - 1/10 to 8/13 - Program Director
 - 8/08 to 1/10 - Assistant Professor
- 3/04 to 8/08 **Black & Veatch, Overland Park, KS**
9/07 to 8/08 Lead Geotechnical Design Engineer, Renewables
- * Lead Geotechnical Design Engineer, Renewables – responsible for renewables profit center and group liaison to renewables division of consulting engineering services
 - * Feasibility studies and estimating.
- 10/06 to 9/07 Conesville, OH - *Lead Design and Resident Engineer*
- * Design and onsite oversight of foundation construction for \$500 mil coal-fired power plant air quality control systems.
- 3/04 to 10/06 Cleveland, OH – *Construction Manager and Resident Engineer*
- * Management of a Brownfield demolition/remediation site in Cleveland, Ohio.
 - * Contract negotiations, scope of work and specification generation, permitting submittals, bid solicitation and reviews, and scheduling.
 - * 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.
- 3/03 to 3/04 **BBC&M Engineering, Inc., Cleveland, OH**
Geotechnical Project Engineer
- * Project Management and Geotechnical Design for residential, commercial, and infrastructure projects including slope stabilizations, shallow and deep foundations, interstate highway

expansion, and electrical substation design, oversight of
construction QA/QC monitoring

* Development of company website (bbcm.com)

4/98 to 1/03 **Black & Veatch**, Overland Park, KS
Geotechnical Engineer
* Geotechnical Engineer