

1. Name

Matthew K. Swenty

2. Education – degree, discipline, institution, year

-Ph.D., Civil Engineering, Virginia Tech, Blacksburg, VA, 2009

-M.S., Civil Engineering, Missouri University of Science and Technology, Rolla, MO, 2003

-B.S., Civil Engineering, Missouri University of Science and Technology, Rolla, MO, 2001

3. Academic experience – institution, rank, title, when, full time or part time

-Virginia Military Institute (VMI), Associate Professor, 2017-Present, full time

-Virginia Military Institute (VMI), Assistant Professor, 2011 – 2017, full time

-Virginia Tech, Instructor, 2010 (Spring Semester), full time

-Virginia Tech, Instructor, Via Ph.D. Academic Preparation Program, 2008-2009, part time

-Virginia Tech, Graduate Research Assistant, 2006-2008, part time

-University of Missouri Rolla, Graduate Research/Teaching Assistant, 2002-2003, part time

4. Non-academic experience – company or entity, title, brief description of position, when, full time or part time

-Turner-Fairbank Highway Research Center. Federal Contractor - PSI, Inc., Project Engineer. Participated in research on highway structures. 2011-2016. Part time.

-Turner-Fairbank Highway Research Center. Federal Contractor - PSI, Inc., Project Engineer. Directed research on highway structures in the structures laboratory. 2010-2011. Full time.

-Missouri Department of Transportation. Structural Designer. Designed bridge superstructures, substructures, and foundations; rated state bridges; helped update the rating manual for VIRTIS software; and performed bridge inspections. 2004-2006. Full time.

- The HBE Corporation. Design Engineer. Performed structural designs of hospitals and credit unions. 2003-2004, Full time.

5. Certifications or professional registrations

-Professional Engineer, Missouri, No. 2007002837, 2007

6. Current membership in professional organizations

-American Society of Civil Engineers (ASCE), Member

-Precast Concrete Institute (PCI), Member

-American Concrete Institute (ACE), Member

-Chi Epsilon, Tau Beta Pi, Kappa Mu Epsilon, Omicron Delta Kappa, and Phi Kappa Phi honor societies, Member

7. Honors and awards

-Thomas Jefferson Teaching Award, VMI (2015)

-Best Paper SE-ASEE Conference (2014)

-PCI's Big Beam Contest–1st Place Regional, 6th Place National (2009)

-ASCE Mead Award – National Engineering Ethics Paper Winner (2008)

-PCI's Big Beam Contest–3rd Place Regional, 1st Place National Design Report (2008)

-ASCE Terrell Award – Best Engineering Ethics Paper (2008)

8. Service activities

- ASCE Committee on Student Members (CSM) – Member (2016-Current)
- ASCE Committee on Licensure (COL) – Member (2015-Current)
 - Committee Secretary
- ASCE Committee on Licensure – Corresponding Member (2011-15)
- VMI New Faculty Orientation Committee – Chairman (2013-Present)
- VMI Graduate Relations Committee – Member (2011-2014)
- VMI Awards Committee – Member, (2015-Present)
- VMI Faculty Development Committee – Member (2012-2016)
- ASEE Conference, FYEE Conference, PCI Journal, ASCE Journal of Bridge Engineering, and ASEE-SE Conference Reviewer

9. Publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation

- “Characterization of Materials Used in Field-Cast Connections” Swenty, M. and Graybeal, B. (2017). Precast Concrete Institute (PCI) Journal. Fall. Vol. 62.
- “The Use of UHPC as a Laminate for Tensile Reinforcement on Precast Concrete Beams” Alvarado, A. and Swenty M. (2017). Research in Progress, ACI Conference. Anaheim, CA.
- “ Horizontal Integration of the Same Design Project in Multiple Structural Engineering Courses” Dymond, B. and Swenty, M. (2017). American Society of Engineering Education (ASEE) National Conference. June 2017, Columbus, OH.
- “Engineers Guide to Pre-licensure Experience” Committee on Licensure, American Society of Civil Engineer Publications. Summer 2016. <http://www.asce.org/licensure/>.
- “Investigation of Panel-to-Panel Connections and Block-outs for Full-Depth Precast Concrete Bridge Decks” Swenty, M.K. Roberts-Wollmann, C., and Cousins, T.E. (2015) Virginia Department of Transportation. Charlottesville, VA. Pub.No. FHWA/VTRC 15-R5.
- “Consolidating Coursework while Expanding Breadth: Improving the First Year Civil Engineering Experience at the Virginia Military Institute” Swenty, M., Ackerman, P., Johnstone, D., and Newhouse, C. (2015). First Year Engineering Experience Conference.
- “Effects of Early Age Differential Displacements on Concrete–Bar Bond in the Connections of Staged Constructions” Swenty, M. and Graybeal, B. (2014). Materials and Structures.
- “Time Dependent Analysis of Full-Depth Precast Concrete Deck Panels on Steel Girder Bridges.” Bapat, A, Swenty, M., and Roberts-Wollmann, C. (2014). Precast Concrete Institute (PCI) Journal. Spring. Vol. 59.
- “Methods of Correlating Precast Concrete Surface Roughness to Tensile Bond Strength in Connections” (2014). Reardon, M., Newhouse, C., and Swenty, M. Conference Proceedings, PCI Bridge Conference, Washington, DC.

10. Most recent professional development activities

- ASEE Conference, Presenter, Columbus, 2017.
- ACI Conference, Presenter, Philadelphia, 2016.
- ASEE Conference, Presenter, New Orleans, 2016.
- PCI Bridge Conference, Presenter, Washington, D.C, 2014.
- Federal Highway Administration, “Bridge Inspection Training”, 2014.