

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), Professor, 2021-Present, full time

-Virginia Military Institute (VMI), Associate Professor, 2017-2021, 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. 2010-2011. Full time.

-Missouri Department of Transportation. Structural Designer. Designed and rated bridges; helped update the VIRTIS manual; and performed bridge inspections. 2004-06. 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, Chapter Advisor

-Omicron Delta Kappa (ODK), Member, Chapter Advisor

-Precast Concrete Institute (PCI), Member

-American Concrete Institute (ACE), Member

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

7. Honors and awards

-ASCE Journal of Civil Engineering Education-Editors Choice Selection (Oct. 2023)

-ASEE Civil Engineering Division-Stephen Ressler best paper award (2023)

-ASCE Journal of Civil Engineering Education, Best Reviewer (2020, 2021)

-Jackson-Hope Award in Excellence in Scholarly Published Work (2019)

- Thomas Jefferson Teaching Award, VMI (2015)
- Best Paper SE-ASCE 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

- VMI Tenure and Promotions Committee – Elected Member (2023-Present)
- ASCE Civil Engineering Division, Secretary/Treasurer (2022-Present)
- ASCE Committee on History and Heritage, VA Section, Secretary (2023-Present)
- ASCE Committee on Student Members (CSM) – Member (2016-2021)
 - Chair (2020-2021)
- ASCE Committee on Licensure (COL) – Member (2015-2022)
 - Committee Secretary (2015-2021), Chair (2021-2022)
- ASCE Committee on Licensure – Corresponding Member (2011-15)
- VMI New Faculty Orientation Committee – Chairman (2013-2022)
- VMI Awards Committee – Member, (2015-Present)
- ASCE Conference, ASCE Journal of Bridge Engineering, ASCE Journal of Civil Engineering Education, and ASCE-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

- “Effective Teaching Methods in Concrete Education” Swenty, M, Dymond, B, Carroll, J.C., and Pierce, C., ACI Committee S802, SP-259: Best Practices and Lessons Learned from Teaching Concrete Materials and Reinforced Concrete, Dec. 2023.
- “Alignment of Civil Engineering Programs with the ASCE Body of Knowledge” Swenty, M. and Swenty, B.J., ASCE Journal of Civil Engineering Education Paper, 149(4), 2023.
- “Alignment of the FE Exam with Civil Engineering Program Content,” Swenty, M. and Swenty, B.J., ASCE Journal of Civil Engineering Education Paper, 148(4), June 2022.
- “A Comparison of Licensed Engineers’ Conduct Requirements, the ASCE Code of Ethics, and EAC-ABET Civil Engineering Accreditation Criteria” Swenty, M. and Swenty, B.J. American Society of Engineering Education (ASEE) Conference, June 2022.
- “The Evolution of the Breadth and Depth in Civil Engineering Laboratory Classes” Newhouse, C. and Swenty, M., ASCE-SE Conference, 2022.
- “Is Engineering Education the Weak Link in Licensure’s 3-Legged Stool” Swenty B.J. and Swenty, M., American Society of Engineering Education Conference, July 2021.

- “Comparing Exam Performance in a Reinforced Concrete Design Course with Bloom’s Taxonomy Levels”, Dymond, B., Swenty, M., and Carroll, J.C., ASCE Journal of Professional Issues in Engineering Education, January 2020.
- “Flexural Strengthening of Precast Concrete Beams Using a High Strength Fiber-Reinforced Concrete Laminate”, Swenty, M.K., D’Alessandro, K, Ramniceanu, A., Thoele, Z., and Pitchford, C., PCI National Bridge Conference, September 2019, Chicago, IL.

10. Most recent professional development activities

- ASEE Conference, Presenter, (2016-2024)
- KEEN Foundation, Engineering Unleashed, “Embedding an EM in Civil Engineering”, Presenter and Coach, (2022-2024)
- American Concrete Institute, Certification, “Fundamentals of Concrete and Materials”, 2023