

**1. Name**

Kacie C. D'Alessandro

**2. Education – degree, discipline, institution, year**

- Ph.D., Civil Engineering, Virginia Tech, 2013
- M.S., Civil Engineering, Clemson University, 2017
- B.S., Civil Engineering, Clemson University, 2016

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

- Virginia Military Institute (VMI), Assistant Professor, 2021, full time
- VMI, Adjunct Instructor, 2020-2021, part time
- Washington and Lee University (W&L), Assistant Professor, 2013-2020, full time

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

- Research and Teaching Assistant, Virginia Tech, 2007-2013
- Research Assistant, Clemson University, 2006-2007

**5. Certifications or professional registrations**

- Engineer in Training, 2006
- Engineering Education Graduate Certificate, Virginia Tech, 2011
- Future Professoriate Graduate Certificate, Virginia Tech, 2011

**6. Current membership in professional organizations**

- Member of the American Concrete Institute
- Member of the American Institute of Steel Construction
- Member of the Society of Women Engineers

**7. Honors and awards**

- Member of Tau Beta Pi (National Engineering Honor Society)
- Member of Chi Epsilon (Civil Engineering Honor Society)
- Virginia Foundation for Independent Colleges Mednick Fellowship (research grant), 2018
- Outstanding Conference Paper Award for ASEE Southeastern Section, 2014

**8. Service activities**

- Voting Member of American Concrete Institute Committee 239-0C: Structural Design on UHPC (ultra-high-performance concrete), 2023-present
- Voting Member of American Concrete Institute Committee 88-S802: Teaching Methods and Education Materials, 2023-present
- Moderator for Undergraduate Research Symposium, 2023
- Admissions contact for CEE Department, 2022-2023
- Member of Women in STEM (WiSTEM) at VMI, 2021-present
- K-12 engineering outreach to local schools, 2014 and 2019-2020

- Consultant for Engineering Community Development student group at W&L, 2014-2020
- Activity leader at Virginia Science Festival at Lexington, 2015
- Planning Committee Member for Virginia Science Festival at Lexington, 2014

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

D'Alessandro, K.C., R.L. Martin, C. Newhouse, and M.K. Swenty. "Math Preparation and Progress of Undergraduates in Civil Engineering Programs in Virginia," Proceedings, ASEE Southeastern Section Conference, Fairfax, VA, March 13-14, 2023.

D'Alessandro, K.C. "Case Study: Engineering Marvels for Study Abroad and Global Learning," Proceedings, Annual ASEE Conference – International Division, Minneapolis, MN, June 26-29, 2022.

Swenty, M., B. Dymond, D.A. Saftner, C.M. Sayiz, J. Shafer, K.C. D'Alessandro, T. Kunberger, and C.R. Shearer. "I Think We Should Break Up: Student and Faculty Perceptions of the Effectiveness of Using Breaks in Class." Proceedings, Annual ASEE Conference – Civil Engineering Division, Minneapolis, MN, June 26-29, 2022.

Ramniceanu, A., K.C. D'Alessandro, M. Swenty, and C. Newhouse. "Gateway Course Performance as Predictors of Success in Engineering Education," Proceedings, ASEE Southeastern Section Conference, Charleston, SC, March 14-15, 2022.

D'Alessandro, K.C., M.K. Swenty, and E.S. Musselman. "Pedagogical Techniques used to Teach Detailing of Reinforced Concrete Structures." Presentation for "Best Practices and Lessons Learned for Teaching Concrete Materials and Reinforced Concrete, American Concrete Institute, Virtual Conference, Mar 28-Apr 1, 2021.

D'Alessandro, K., C. Roberts-Wollmann, and T. Cousins. "Direct Biaxial Behavior of Ultra-High-Performance Concrete," ACI Materials Journal, V. 117, No. 2, Mar-Apr, pp. 259-270, 2020.

Swenty, M.K., K. D'Alessandro, A. Ramniceanu, Z. Theole, and C. Pitchford. "Flexural Strengthening of Reinforced Concrete Beams Using a High Strength Fiber-Reinforced Concrete Laminate" Proceedings, PCI Committee Days and Technical Conference, Precast Concrete Institute, Rosemont, IL, Sept 25-28, 2019.

Coffey, G., A. Soroka, and K. D'Alessandro. "In-Situ Testing of Prestressed Concrete Double Tees in Parking Structure." Presentation for Undergraduate Research Session, American Concrete Institute, Quebec City, QC, Canada, March 24-28, 2019.

**10. Most recent professional development activities**

- Society of Women Engineer's Academic Leadership for Women in Engineering Program (virtual), 2023-2024

- Timber Engineering Design Faculty Workshop (Clemson University), June 2023
- Forum on Forensic Engineering Education (virtual), Feb 2023
- Webinar on CRSI Resources for Universities on the Design and Detailing of Steel Reinforced Concrete (virtual), June 2022
- ABET Basics of Program Assessment and Planning (virtual), Sept 2021