

**1. Name**

Wakeel I. A. Idewu

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

Ph.D. Civil Engineering, Louisiana State University, Baton Rouge, LA, 2009  
M.S. Engineering Science, Louisiana State University, Baton Rouge, LA, 2007  
B.S. in Civil Engineering, University of Louisiana at Lafayette, Lafayette, LA, 2004

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

Virginia Military Institute, Professor 2021-present, full time  
Virginia Military Institute, Associate Professor 2015-2020, full time  
Virginia Military Institute, Assistant Professor 2009-2015, full time  
Louisiana State University Teaching Assistant, 2008, part-time

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

Town of Buchanan , Traffic Engineer Advisor ,Intersection Enhancements to Improve Peak Volume Operations, VA, 2019 part time

Town of Bridgewater, Traffic Engineer Consultant “Project X- Intersection Reconfiguration at Mt Crawford and Main Street” - Traffic Impact Analysis, VA , 2018 part time

FHI, Hartford, CT, Consultant, Trained FHI representative on using the Vissim platform. Provided quality control for modeling and analysis of a streetcar line along a main corridor in the District of Columbia. 2013 part time

Planning and Development-New Orleans International Airport, Civil Engineering Intern. LA, 2004-2005 full time

**5. Certifications or professional registrations**

Licensed Engineer VA, 0402050402

**6. Current membership in professional organizations**

American Society of Civil Engineers (ASCE)  
Member of Chi Epsilon and Phi Eta Sigma Honor Societies

**7. Honors and awards**

2019	Jackson-Hope Award for New Directions in Research
2018	All Southern Conference Faculty Award
2017	Nominated for Commonwealth of Virginia’s Outstanding Faculty Award

## 8. Service activities

2022 - Present	Hearing Officer
2022	Summer Transition Program (Training Supervisor)
2014- 2022	President (elected 2020) Rockbridge Area Housing Authority Committee
2011- 2021	University of Louisiana at Lafayette Civil Engineering Advisory Board
2020 - Present	Decision Maker for Title IX cases
2017 - Present	Departmental Representative / Presenter, Admissions Open House
2009 - Present	Faculty Advisor, (Average 15 students a semester)
2020 - Present	STEM Faculty Advisory Committee
2020 - Present	Athletic Awards Committee
2020 - 2021	Chief Diversity Officer Hiring Committee
2020 - 2021	Director of Student Life / Commandant Hiring Committee
2012 - 2020	Faculty Development Committee
	– Review Faculty Grant proposals
	– Review Faculty Leave proposals

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

1. Swenty, M., C. Shearer, B. Dymond, W. Idewu, “Does a Review Course Increase FE Exam Preparedness?” Presented at ASEE Conference, Virtual 2021
2. J. Kolly, H. Zhang, and W. Idewu, "Self-driving with One RGB Camera," in *Frontiers in Optics / Laser Science*, B. Lee, C. Mazzali, K. Corwin, and R. Jason Jones, eds., OSA Technical Digest (Optical Society of America, 2020), paper JTU7D.5
3. Afrin, T., and W. Idewu “An Evaluation of Traffic and Weather Characteristics’ Effect on Pollutants in Local Neighborhood” ASCE, EWRI 2019
4. Idewu W., P. Chanpiwat, H. Naghawi “Identifying Optimum Taper Lengths for Zipper Merging Applications using Real Data and Microscopic Simulation” *Periodica Polytechnica Transportation Engineering*, 2019
5. H. Naghawi, M. Abu Shattal, W. Idewu “ Application of AIMSUN Microscopic Simulation Model in Evaluating Side Friction Impacts on Traffic Stream Performance” *World Academy of Science and Technology Journal Engineering and Technology*, International Science Index 145, *International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 13(1), 10 – 15, 2018

## 10. Most recent professional development activities

1. Traffic Signal Academy, Knoxville Tennessee (five-day workshop), 2021
2. Protecting Human Research Participant Certificate of Completion, 2020
3. Emerging Leaders Program Training, Virginia Military Institute, 2019
4. American Society of Engineering Education Conference, Columbus, OH, 2017
5. Connected and Automated Vehicles (CAV) program at the University of Michigan Integrated System and Design 2017