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Education

University of Illinois, Urbana, IL	Civil Engineering	Ph.D., 2008
University of Wisconsin, Madison, WI	Civil Engineering	M.S., 2002; B.S. 2000

Appointments

Professor, University of Arkansas, Fayetteville, AR	08/2022 – present
Assistant/Associate Professor, University of Arkansas, Fayetteville, AR	08/2010 – 08/2022
Visiting Associate Professor, UPC, Barcelona, Spain	01/2018 – 06/2018
Postdoctoral Research Fellow, Southeast University, Nanjing, China	02/2009 – 11/2010
Field and Research Engineer, Koch Materials Company	06/2002 – 11/2004

Selected Books and Special Publications (a full list can be found at my website above)

- Cuyx, H., Braham, A., Hernando, D., Blom, J. (2026). Comparative analysis of bitumen emulsion standards in Europe and the United States, doi: 10.2139/SSRN.6463918.
- Braham, A., Timm, D., Hall, K., Myers, L. (2023). Integrating the Flexible Pavement Life Cycle, Transportation Research Circular, E-C286, October 2023. ISSN 0097-8515.
- Braham, A., Waller, M., English, J. (2022). Values-Driven Authentic Leadership: Essential Lessons from the LeadershipWWEB Podcast Series, EPIC Books, The University of Arkansas Press, Fayetteville, AR, USA, ISBN: 978-1954892064.
- Braham, A., Casillas, S. (2021). Fundamentals of Sustainability in Civil Engineering, *CRC Press*, Second Edition, ISBN: 978-0367420253.
- Casillas, S., Braham, A., Dave, E., Sias, J. (2020). Asphalt Emulsion Cold In-Place Recycling Mix Design Practices: Designing a Semi-Bound Pavement Material – White Paper. Posted free for download on ResearchGate, doi: 10.13140/RG.2.2.28672.46083.
- Braham, A. (2020). Introduction to Asphalt Emulsions (Certificate 1). Version 2.0 in *Pavement Maintenance and Rehabilitation Professional Development Courses*, University of Arkansas, Fayetteville, AR, USA.

Recent Peer-Reviewed Publications (a full list can be found at my website above)

1. Tiwari, A., Ansari, T., Braham, A., Uddin, S. Laboratory versus plant production: impact of specimen preparation techniques on the performance of balanced mix design asphalt mixtures in Arkansas using the Arkansas choice of performance test, *International Journal of Pavement Engineering*, 27:1, 2674965, 2026, doi: 10.1080/10298436.2026.2674965.
2. Ogundipe, T., Vaddy, C., Casillas, S., Braham, A. A stress–strain-based analytical framework for evaluating full-depth reclamation mixtures, *Road Materials and Pavement Design*, published online Jul. 2026, doi: 10.1080/14680629.2026.2696980.
3. Tiwari, A., Hedden, J., Ogundipe, T., Simpson, A., Smith, T., Ramallo Jordan, S., Waters, C., Braham, A. Comparison of three flexible pavement structural design methodologies for four Arkansas roadways, *International Journal of Pavement Engineering*, 27:1, 2696964, 2026, doi: 10.1080/10298436.2026.2696964.
4. Roy, A., Hedden, J., Cox, B., Braham, A. Assessing Rheological Performance of Innovative Sealant Materials Using Traditional Superpave Binder Equipment, *Journal of Materials in Civil Engineering*, 38(8), 2026, doi: 10.1061/JMCEE7.MTENG-22513.

Selected Awards and Recognitions (a full list can be found at my website above)

- 2025, 2021, 2018, 2014, 2012 Outstanding Mentor Award – University of Arkansas
- 2021 Teaching Academy Fellow – University of Arkansas Teaching Academy
- 2019 President's Award – Asphalt Emulsion Manufacturing Association
- 2018, 2016 Outstanding Teacher Award – Civil Engineering, University of Arkansas
- 2016 Award of Recognition – Association of Asphalt Paving Technologist

Selected Synergistic Activities (a full list can be found at my website above)

- Program coordinator for Master of Science in Pavement Technology online degree
- Developed four on-demand online certificate programs with AEMA and Global Campus (go to https://training.uark.edu/ and search "engineering")
- Developed and provided 99 webinars for "Pavinar" webinar series (YouTube Channel):
- Developed with three colleagues "LeadershipWWEB" leadership podcast series
- Given 260+ presentations around the world
- Associate Director of Southern Plains Transportation Center (SPTC)
- Chair TRB Committee AKN18 "Pavement Maintenance, Preservation, & Rehabilitation"
- Co-chair of AASHTO TSP-2 Emulsion Task Force Research Subcommittee
- Member of University of Arkansas College of Engineering: Technology Committee Distance Education Committee, and Promotion and Tenure Committee

Selected TREAT Mobile Lab Summaries (click here for all of the individual summaries)

- For an overview of the TREAT Mobile Lab click here
- For an example of a TREAT Day of Training (Oklahoma) click here

Selected Courses Taught at University of Arkansas (number of semesters, level)
Transportation Infrastructure (eight, senior); *Sustainability in Civil Engineering* (eleven, senior/grad; fifteen, online, grad); *Structural Design of Pavement Systems* (five, grad/senior); *Production and Construction of Pavement* (two, grad/senior), *Pavement Maintenance and Rehabilitation* (two, grad/senior); *Sustainability in Construction Management* (one, senior/grad; nine, online, grad); *Transportation Engineering* (eight, junior); *Think Big – Perspectives from Pavement Research* (one semester; grad); *Perpetual Pavements Plus* (two, grad/senior)

Graduate Postgraduate-Scholar Sponsor (a full list can be found at my website above)
Post-Doctoral Research Scholar (1) – C. Vaddy (2025 – current)
Ph.D.(8) – A. Tiwari, T. Ogundipe (start 2025); M. T. Ansari, A. Roy, T. Turben (start 2024), S. Casillas (2020); A. Morales (2019); S. Yang (2016)
M.S. (21) – T. Bishi (2026-current), R. Fazeli (2025-current); A. Tiwari, J. Hedden (2025); T. Ogundipe, T. Turben, M. T. Ansari, A. Roy, J. Stonestreet (2024); D. Murphy, P. Diaz Romero (2022); L. Kiihnl (2020); E. Yeung (2017); E. Castillo, A. Morales (2016)

Key Funding Sources (a full list can be found at my website above)
Arkansas Department of Higher Education, Arkansas Department of Transportation, Asphalt Emulsion Manufacturing Association, Asphalt Institute Foundation, Federal Highway Administration, International Slurry Surfacing Association, Mack-Blackwell Rural Transportation Center, National Cooperative Highway Research Program, National Science Foundation, private industry (8 companies), SEC Visiting Faculty Travel Grant Program, Southern Plains Transportation Center, Strategic Highway Research Program II, United States Army Corps of Engineers Engineer Research and Development Center, United States Department of Transportation, University of Arkansas, Women's Giving Circle