

Post-Doctoral Researcher in Transportation Engineering
Western Kentucky University

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Posted Apr. 5, 2025, set to expire Aug. 5, 2025

Job Title Post-Doctoral Researcher in Transportation Engineering
Department School of Engineering and Applied Sciences
<https://www.wku.edu/tscar/>
Institution Western Kentucky University
Bowling Green, Kentucky

Date Posted Apr. 5, 2025

Application Deadline Open until filled (preferably by June 15, 2025)

Position Start Date Available immediately or best by September 1, 2025

Job Categories Post-Doc

Academic Field(s) Transportation Engineering
Civil Engineering
Engineering - Other

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Job Description

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Job Overview and Description:

One to two exciting post-doctoral research associate positions are available for individuals interested to pursue scholarly research in transportation engineering at Western Kentucky University (WKU), particularly in transportation safety (crash analysis). Candidates need to demonstrate prior experience and publication record in prestigious journals specialized in traffic safety as part of their resume, such as: Accident Analysis & Prevention, Transportation Research Record, Journal of Safety Research, Safety Science, ASCE: Journal of Transportation Engineering, Traffic Injury Prevention, etc. The position is secured for one year, with the possibility of extension pending satisfactory performance and funding availability. The duties include the following:

- Work on several transportation safety grants sponsored by the Kentucky Transportation Cabinet (KYTC or the Kentucky DOT), including motorcycle safety, distracted driving crashes, roundabout and Restricted Crossing U-Turn (RCUT) intersection safety, and application of artificial intelligence and machine learning techniques for analyzing the impact of weather information on traffic safety in Kentucky.
- Write scholarly papers for submission to prestigious peer-reviewed journals (e.g., Accident Analysis & Prevention, Transportation Research Record, Journal of Safety Research, Safety Science, ASCE: Journal of Transportation Engineering, Traffic Injury Prevention, etc.) and quality conference proceedings (e.g., TRB, ASCE: ICTD, etc.).
- Assist in writing external grant proposals.
- Guide undergraduate/graduate students in their research.
- Propose research ideas for the driving simulator at the Transportation Safety & Crash Avoidance Research (TSCAR) Lab/ Facility and the upcoming Center for Transportation Research (CTR) at WKU.
- Work as a team with existing post-doctoral researchers at the Transportation Safety & Crash Avoidance Research (TSCAR) Laboratory/Facility.
- Advocate for the upcoming WKU Center for Transportation Research (CTR).

The recruited individual(s) will work directly under the supervision of Dr. Kirolos Haleem. The full-time post-doctoral researcher candidate(s) will support the growth of the WKU "Transportation Safety & Crash Avoidance Research (TSCAR) Laboratory/Facility" to be the "Center for Transportation Research (CTR)" and will work with a team of researchers, including Dr. Haleem, post-doctoral

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researchers, and multiple undergraduate students.

Requirements:

The post-doctoral research associate candidate should acquire, at a minimum, a Ph.D. degree in civil (transportation) engineering, specifically in transportation safety research. Once more, candidates should demonstrate prior experience and publication record in prestigious journals specialized in traffic safety as part of their resume, such as: Accident Analysis & Prevention, Transportation Research Record, Journal of Safety Research, Safety Science, ASCE: Journal of Transportation Engineering, Traffic Injury Prevention, etc.

Interested applicants should apply via this link (

<https://wku.interviewexchange.com/jobofferdetails.jsp;jsessionid=81E2FFA8469DBC5421E9E65409492242?J>

) and submit the following:

- Letter of intent (cover letter).
- CV (including all publications "published and under review").
- Names and contact information for three references.

You will receive email confirmation that your submission has been received. The candidate review process will generally begin as materials are received. The expected hire date is on or about September 1, 2025.

About Western Kentucky University:

Western Kentucky University (WKU) is a student-centered, applied-research institution committed to providing its students with a transformative academic and social experience and to elevating its surrounding communities. Founded in 1906, WKU is the second largest undergraduate institution in the Commonwealth of Kentucky with approximately 15,035 students (29% first generation, 18% underrepresented minority) and just over 2,500 faculty and staff employees.

Western Kentucky University is committed to empowering its campus community to embrace diversity by building equitable and inclusive learning, working, and living environments. At the heart of our mission, we seek to provide holistic education and employment experiences that prepare students, faculty, and staff to become effective scholars, contributors, and leaders in our diverse and evolving communities.

Located 65 miles north of Nashville, TN, and just over 100 miles south of Louisville, KY, WKU's main campus is in Bowling Green, KY - a city with approximately 70,000 residents. Our population is

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ethnically diverse, with more than 85 languages spoken in and around Bowling Green, and people from 35 nationalities call our community home.

Western Kentucky University seeks to attract talented faculty and staff who are inspired individually to contribute to WKU's strategic plans and ongoing success. We offer comprehensive wellness and health benefits to employees and their families, including domestic partners and other qualified dependents and take pride in providing a workplace culture that supports balancing the responsibilities of work and family life. Paid-time off for holidays, vacation and sick leave, and a tuition discount program for employees and dependents are also provided. Learn more about WKU and Bowling Green at wku.edu/about.

EEO/AA Policy

Kentucky state law requires all public institutions of postsecondary education to conduct pre-employment criminal background checks to determine suitability for employment.

Western Kentucky University (WKU) is committed to a policy and practice of providing equal employment and educational opportunities to all individuals. In accordance with Title VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Revised 1992, and the Americans with Disabilities Act of 1990, no form of discrimination or harassment will be tolerated at WKU on the basis of race, color, ethnicity, national origin, creed, religion, political belief, sex, sexual orientation, gender identity/expression, marital status, age, uniformed services, veteran status, genetic information, pregnancy, childbirth or related medical conditions, or physical or mental disability in admission to career and technical education programs and/or activities, or employment practices.

Persons with disabilities, who need reasonable accommodations to participate in the application and/or selection process, should notify the office of Institutional Equity. To request an accommodation, report a complaint, or ask questions regarding WKU's Discrimination and Harassment Policy (#0.2040), please contact Ms. Ena Demir, Executive Director/Title IX Coordinator via email at ena.demir@wku.edu or by phone at (270) 745-6867. Ms. Demir is also responsible for coordinating the University's response to complaints related to sex and gender harassment. Additional information regarding Title IX is accessible via WKU's <https://www.wku.edu/titleix/> website.

Information concerning educational programs offered by WKU are provided at:
<http://www.wku.edu/atwku/academics.php>

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For information related to job postings, please email employment@wku.edu.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Dr. Kirolos Haleem
School of Engineering and Applied Sciences
Western Kentucky University
Bowling Green, KY 42101

Contact E-mail kirolos.haleem@wku.edu