

Post-Doctoral Fellow in Road Safety Research Qatar University

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Posted Jan. 13, 2025, set to expire May 15, 2025

Job Title	Post-Doctoral Fellow in Road Safety Research
Department	Qatar Transportation and Traffic Safety Center https://www.qu.edu.qa/en-us/Research/qttsc/Pages/default.aspx
Institution	Qatar University Doha, , Qatar
Date Posted	Jan. 13, 2025
Application Deadline	Open until filled
Position Start Date	Immediate
Job Categories	Post-Doc
Academic Field(s)	Transportation Engineering Human Factors Engineering/Ergonomics Computer Engineering Civil Engineering Engineering - Other
Apply By Email	wjaseen@qu.edu.qa

Job Description

Position Overview: Qatar Transportation and Traffic Safety Center at Qatar University is seeking a post-doctoral fellow to join a project funded by the Qatar Research Development and Innovation Council (QRDI). The project, "E-Scooter Simulator – A Virtual Reality (VR) Based Platform for Evaluating Riders' Behavior and Safety," aims to explore the interactions between e-scooters, vehicles, and pedestrians on roads and shared sidewalks. The project will involve the installation of an e-scooter simulator to conduct experiments and develop operational strategies for e-scooter safety, including signage and markings.

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Key Responsibilities:

- Conduct research using a Scooter simulator to study riders' behavior and risk perception.
- Develop and evaluate safety interventions, such as message signs and smart helmet warning systems.
- Analyze data from crash reports and simulations to identify factors contributing to crashes and assess the effectiveness of safety measures.
- Collaborate with team members from Qatar University and international partners.
- Publish research findings in peer-reviewed journals and present at conferences.

Qualifications:

- Ph.D. in Transportation Engineering, Traffic Safety, Human Factors, Psychology, Computer Science or a related field.
- Strong publication record in relevant peer-reviewed journals.
- Experience with driving simulators, data analysis, and statistical modeling; willingness to be trained on SCANeR software.
- Proficiency in programming and simulation software (e.g., MATLAB, SPSS, R).
- Excellent communication skills and ability to work in a team.

Application Process: Interested candidates should submit the following documents:

- A cover letter outlining their research experience and interest in the project.
- A detailed curriculum vitae (CV) including a list of publications.
- Contact information for three academic references.

Salary and benefits:

- a. Housing allowance QR 7,000.
- b. Annual economy air ticket allowance to the home country as per quotation from Qatar Airways for the employee, accompanying spouse and up to two children (under 18 years of age) "similar to QU HR policy for academic staff"
- c. Annual paid vacation for 35 calendar days. Permission for vacation will be given in accordance with work needs in the research project.
- d. Education allowance for one "accompanying" child from grade one up to 18 years of age. The entitlement is not exceeding QR 45,000 per year per child "similar to QU HR policy for academic staff".
- e. Health insurance for the employee accompanying spouse and up to two children (under 18 years of age) "similar to QU HR policy for academic staff".
- f. Up to 5% annual increment

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g. Monthly salary of QR 17,000 that incorporates:

- Basic monthly salary QR 16,000
- Transportation allowance QR1,000

Contact Information

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

Contact Dr. Wael Alhajyaseen
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