

Post-Doctoral Fellow in Motorcycle Safety Research Qatar University

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Posted Aug. 28, 2024, set to expire Dec. 28, 2024

Job Title	Post-Doctoral Fellow in Motorcycle Safety Research
Department	Qatar Transportation and Traffic Safety Center
Institution	Qatar University Doha, Doha, Qatar
Date Posted	Aug. 28, 2024
Application Deadline	Open until filled
Position Start Date	Jan. 1, 2025
Job Categories	Post-Doc
Academic Field(s)	Transportation Engineering Electrical and/or Electronics Computer Science Civil Engineering Engineering - Other

Apply By Email

Job Description

Job Title:Post-Doctoral Fellow in Motorcycle Safety Research

Duration:2 years

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 National Research Fund (QNRF). The project, "Towards Safer Riding: Modeling Motorcyclists' Behavior and Risk Perception using a Dynamic Simulator for Innovative Safety Interventions," aims to develop and test safety interventions to improve motorcyclists' behavior and reduce crash risks.

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Key Responsibilities:

- Conduct research using a dynamic base motorcycle simulator to study motorcyclists' behavior and risk perception.
- Develop and evaluate safety interventions, such as dynamic message signs (DMSs) and smart helmet warning systems.
- Analyze data from crash reports and simulations to identify factors contributing to motorcycle 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 or motorcycle 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"

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- 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
- g. Monthly salary of QR 17,000 that incorporates:
 - Basic monthly salary QR 16,000
 - Transportation allowance QR1,000

Contact Information:

For inquiries and submission of applications, please contact: Dr. Qinaat Hussain
Lead Principal Investigator
Email: qinaat.hussain@qu.edu.qa
Qatar Transportation and Traffic Safety Center
Qatar University, Doha, Qatar

Contact Information

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

Contact

Qatar Transportation and Traffic Safety Center
Qatar University
Doha, Doha
Qatar

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