



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Fellow in Human Factors, Faculty of Environment



**Salary: Grade 7 (£39,355 – £46,735 p.a. depending on experience)**

**Reporting to: Dr Yee Mun Lee**

**Reference: ENTVR1215**

**Fixed term until 31 May 2026 to complete specific time limited work**

**Location: University of Leeds (with scope for hybrid working)**

**We are open to discussing flexible working arrangements**

# Research Fellow in Human Factors, Faculty of Environment

## Overview of the Role

**Do you have a background in Transport Psychology, Human Factors or Behavioural Sciences? Do you have an interest in, or direct experience with investigating pedestrians' crossing behaviour? Do you have previous experience in designing experimental studies, collecting data from human participants and analysing crossing behaviour as well as head/eye tracking data? Are you interested in joining the vibrant and world-renowned Human Factors and Safety research group at the University of Leeds?**

We are looking for a Research Fellow to join our team at Leeds and work on a research project funded by the Road Safety Trust. This project focuses on addressing road crossing challenges faced by Autistic Children. We are looking for independent, highly skilled individuals to join the Leeds team to assist with data analysis of the secondary dataset provided by project partners, design and evaluate Autistic Children's crossing behaviours and visual attention in our Highly Immersive Kinematic Experimental Research (HIKER) pedestrian lab.

You should have a PhD in transport psychology or behavioural sciences, and a background and interest in pedestrians' crossing behaviours. Evidence of good analytical skills, and the ability to work with large secondary data sets related to pedestrians' crossing behaviour is desired.

Employment is expected to start in June 2025.

## Main duties and responsibilities

- Keeping up to date with the research area and state of the art, reading and critically analysing latest publications related to the research project;
- Engaging with project partners in weekly meetings, preparing notes to be shared with the rest of the team and taking a lead on discussions, where appropriate;
- Analysing data from secondary data sets provided by project partners;



- Designing experimental studies, communicating with sim developers, communicate with Autistic Children and their parents, recruiting and collecting data from participants, and analysing behaviour and eye-tracking data;
- Ensuring good day-to-day progress of work, and maintaining good records;
- Generating and pursuing independent and original research ideas in the appropriate subject area;
- Developing research objectives and proposals and contributing to setting the direction of the research project and team including preparing proposals for funding in collaboration with colleagues;
- Evaluating methods and techniques used and results obtained by other researchers and to relate such evaluations appropriately to your own work;
- Preparing papers for publication in leading international journals and disseminating research results through other recognised forms of output;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the training of both undergraduate and postgraduate students, including assisting with the supervision of projects in areas relevant to the project.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

## Qualifications and skills

### Essential

- A PhD (which must be awarded at the point of application) in a related area, such as pedestrian crossing behaviour, with interest and experience in analysing and reporting results from secondary data sets and experimental datasets or a closely allied discipline;
- A strong background in Transport Psychology or Behavioural Sciences;
- Familiarity with or keen interest in academic research on human factors and pedestrians' crossing behaviour;
- Comfortable with designing studies using human participants;



- Comfortable with communicating and collecting data from autistic children and their parents;
- Familiarity with conducting human-in-the-loop simulation and pedestrian simulator studies;
- Evidence of analysing and reporting pedestrian, secondary and simulator-based data;
- Familiarity with analysis of psycho-physiological data, such as eye-tracking and/or head-tracking;
- Strong analytical and programming skills, such as Python, MATLAB, R;
- Good time management and planning skills, with the ability to meet tight deadlines, manage competing demands and work effectively under pressure without close support;
- A developing track record of peer reviewed publications in international journals;
- Excellent written and verbal communication skills including presentation skills;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

## Additional information

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

Please note that this post may be suitable for sponsorship under the Skilled Worker visa route but first-time applicants might need to qualify for salary concessions. For more information please visit: [www.gov.uk/skilled-worker-visa](https://www.gov.uk/skilled-worker-visa).

For research and academic posts, we will consider eligibility under the Global Talent visa. For more information please visit: <https://www.gov.uk/global-talent>.

Find out more about the [Faculty of Environment](#)

Find out more about the [Institute for Transport Studies](#)

Find out more about our [Research and associated facilities](#).



Find out more about [Equality in the Faculty](#).

## **Our University**

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Environment, we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian, people who belong to a minority ethnic community; people who identify as LGBT+; and disabled people. Candidates will always be selected based on merit and ability.

The Faculty of Environment has received a prestigious Athena SWAN silver award from [Advance HE](#), the national body that promotes equality in the higher education sector. This award represents the combined efforts of all schools in the Faculty and shows the positive actions we have taken to ensure that our policies, processes and ethos all promote an equal and inclusive environment for work and study.

## **Working at Leeds**

We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.

## **Candidates with disabilities**

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk](mailto:disclosure@leeds.ac.uk).

## **Criminal record information**

### **Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975**

This post requires an enhanced and barred list criminal record check from the Disclosure and Barring Service (DBS), and any equivalent overseas authorities where relevant. The successful candidate will be required to give consent for the University



to check their criminal record status. All applicants are required to make a self-declaration where applicable.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

