



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Fellow in Advanced Choice Modelling

Institute for Transport Studies, Faculty of Environment



**Salary: Grade 7 (£32,004 – £38,183 p.a.)**

*Please note that due to funding limitations an appointment will not be made above £33,943*

**Reference: ENVTR1047**

**Closing date: 20 June 2017**

**Interviews are expected to be held 30 June 2017**

**Fixed term - post is available from 1 October 2017 until 30 November 2020 (external funding)**

## Research Fellow in Advanced Choice Modelling Institute for Transport Studies, Faculty of Environment

**Are you an ambitious researcher looking for your next challenge? Do you have a background in Choice Modelling? Do you want to further your career in one of the UK's leading research intensive Universities?**

Based in the [Institute for Transport Studies](#), you will contribute to the [European Research Council](#) funded DECISIONS project which looks at; reconciling modelled choices with real world choices; developing models for interactions between decision makers and between short term and long term decisions; improving the interface between discrete choices and continuous consumption; and making use of innovative new data sources. This is a multi-faceted research project and you will have the opportunity to take academic ownership of large parts of the programme and make a lasting contribution to the field in addition to contributing to the empirical component of the project, which makes use of an innovative survey combining; social network analysis; attitudinal surveys; a life course calendar; and GPS smartphone tracking.

Joining the [Choice Modelling Research Group](#) and working closely with [Professor Stephane Hess](#) and colleagues, you will also be involved with and contribute to cross-University collaborations through the [Choice Modelling Centre \(CMC\)](#) which aims to be a globally leading centre for academic research in choice modelling.

With a PhD (or close to completion) in Choice Modelling, you will also have a strong track record of developing and refining state-of-the-art modelling techniques and applying them to different decision contexts and a developing track record of peer-reviewed publications in international journals. Experience with survey design and a willingness to learn about unfamiliar sectors and literatures are desirable.

### What does the role entail?

As a Research Fellow your main duties will include:

- Working with and in support of [Professor Stephane Hess's](#) research to ensure the DECISIONS project is successfully completed;
- Generating and pursuing original research ideas in choice modelling;
- Making a contribution to the [Choice Modelling Centre \(CMC\)](#) through interactions with other choice modellers working at Leeds;



- Developing research objectives and proposals and contributing to setting the direction of the research project and team including, where appropriate 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;
- Communicating or presenting research results through publication or other recognised forms of output;
- Preparing papers for publication in leading international journals and independently writing reports;
- 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 research culture of the Institute, where appropriate;
- Developing and supporting a small number of Master's student dissertations in areas which support the overall objectives of the post.

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.

## What will you bring to the role?

As a Research Fellow you will have:

- A PhD (or close to completion) in Choice Modelling;
- A strong track record of developing and refining state-of-the-art modelling techniques and applying them to different decision contexts;
- Experience in developing advanced choice models and applying them to real world decision contexts;
- Evidence of cross-disciplinary experience, applying choice models across different fields;
- Experience with Revealed Preferences data sources, especially those increasingly used in choice modelling, such as longitudinal (multi-year) panel data and emerging data sources (such as GPS or smartphone data);
- A developing track record of peer-reviewed publications in international journals;
- Computer programming skills in the context of model estimation;



- Excellent written and verbal communication skills including presentation skills and the ability to communicate effectively with a wide range of stakeholders;
- Proven ability to meet deadlines and manage competing demands effectively, responsibly and without close support;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

You may also have:

- Teaching experience in Choice Modelling;
- Survey design experience;
- A willingness to learn about unfamiliar sectors and literatures;
- Ideas for ways in which the project could stimulate engagement with policy makers and/or the public.

## How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

## Contact information

To explore the post further or for any queries you may have, please contact:

**Professor Stephane Hess, Professor of Choice Modelling**

Tel: +44 (0)113 343 6611

Email: [S.Hess@its.leeds.ac.uk](mailto:S.Hess@its.leeds.ac.uk)

## Additional information

Find out more about the [Faculty of Environment](#) and our [Institute for Transport Studies](#).

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

Find out more about Equality and Inclusion and Athena Swan in the [Faculty](#) and the [University](#).



## **Working at Leeds**

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on 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**

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

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.

