



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Fellow in Decarbonising Transport, Faculty of Environment



**Salary: Grade 7 (£33,199 – £39,609 p.a. pro rata), due to funding limitations an appointment is unlikely to be made above £33,199 p.a. pro rata**

**Reference: ENVTR1093**

**Closing date: 1 July 2019**

**Part time: 50% of full time equivalent**

**Fixed-term until 31 August 2022, to start no earlier than 1 September 2019**

**We will consider job share / flexible working arrangements**

# Research Fellow in Decarbonising Transport

## Institute for Transport Studies, Faculty of Environment

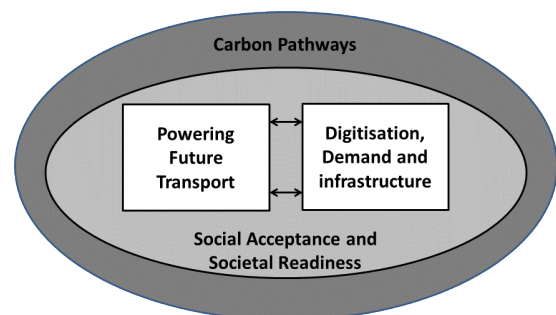
**Would you like to be part of an exciting networking project to deliver a rapid step-change in the decarbonisation of transport? Do you have an established background in the environmental impacts of transport at different spatial scales? Are you passionate about making a difference to climate change?**

This role is part of an exciting new three year EPSRC funded research network, DecarboN8, working across disciplines across the N8 research partnership. The network will focus on how to integrate scientific advances across the boundaries that matter to the deployment and uptake of innovations to achieve more rapid, effective and socially acceptable carbon reduction pathways. You will work with Transport for the North and other government bodies across the North to develop an integrated repository of carbon data sources from across the transport and energy sector. You will use the data to inform analyses of differences across different spatial scales and to understand and map the potential significance of different carbon reduction strategies. As well as being academically excellent and publishable, your work will inform policy briefings, research funding calls and innovation projects with DecarboN8 collaborators.

As a key part of an interdisciplinary network of research you will need to think creatively about how to fuse data sets from energy and transport to explore variations in carbon use through a range of different lenses. These might include individual, household, community, business or network scales. You will have the opportunity to shape the questions asked of the data but will also need to be responsive to the needs of the wide range of users who may work with the data.

### What does the role entail?

Working with [Professor Greg Marsden](#) and colleagues from across the [N8 Research Partnership](#), you will be responsible for creating a database of relevant carbon data resources for the region, working closely with Transport for the North. You will be



DecarboN8 Thematic Structure



responsible for aggregating data sets to enable interrogation of the carbon data across the four DecarboN8 themes.

You will be analysing the data at a range of spatial scales to help discern the right scale for different decarbonisation policies to operate at. You will help develop innovative research-led workshop designs to stimulate new research proposals and write reports and policy briefings with network members drawing on your analysis. You will be expected to write up elements of the work for publication in good academic journals.

As a Research Fellow, your main duties will include:

- Aggregating carbon data sources from across the North;
- Integrating data sets to understand transport carbon emissions across the North in a wider national context;
- Developing and overseeing adherence to a data management plan for the research data and drafting guidance for other potential users;
- Generating and pursuing independent and original research ideas for decarbonising transport and helping to establish research calls and sandpits to address those which extend beyond current capabilities;
- Evaluating methods and techniques used and results obtained by other researchers and relating 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 across the DecarboN8 network;
- 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.



## What will you bring to the role?

As a Research Fellow you will have:

- A PhD or near completion - i.e. the initial thesis needs to have been handed in at the point of application, which is related to either transport, climate change, spatial analysis or a combination of these subjects;
- A strong background in quantitative analysis and data set manipulation;
- A passion to reduce climate change emissions from transport;
- Evidence of development and/or adherence to data management plans;
- Excellent written and verbal communication skills including presentation skills in a workshop environment;
- 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 proven track record of peer-reviewed publications in high impact factor journals;
- 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:

- Experience of pursuing external funding to support research;
- Experience of working across the transport and energy sector boundaries;
- The ability to use GIS;
- Experience of developing databases.

## 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 Greg Marsden, Director of DecarboN8**

Tel: +44 (0)113 343 5358

Email: [G.R.Marsden@its.leeds.ac.uk](mailto:G.R.Marsden@its.leeds.ac.uk)

## Additional information

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

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

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

### Working at Leeds

You can find out more about our generous benefits package and more about what it is like to work at the University and live in the Leeds area in our [Working at Leeds](#) information.

### Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found in our [Accessibility](#) information 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](#).

