

Senior Research Associate – Safe and Smart Mobility (SafetyCube Project)

(Part-time - 0.8FTE or 1.00 FTE, Fixed-term Maternity Cover)

REQ17414

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

Job Description

Job Grade: Specialist and Supporting Academic Grade 7

Introduction

Loughborough University has established an international reputation for excellent research in the field of road safety and mobility on behalf of government departments, the motor industry and other research organisations. The University has recently been awarded the SafetyCube project with funding from the European Commission. The Project Coordinator is Prof Pete Thomas and the project has 17 international partners with a total budget of €5.7 million.

The purpose of the project is to develop a new repository of information and Decision Support System (DSS) to support road safety policy-making at EU and national level by providing detailed, systematic knowledge on safety risks and the effectiveness of interventions. Working as part of an international team the Senior Research Associate will lead the development of the DSS and coordinate the Loughborough contribution to the project. The Senior Research Associate will also directly conduct safety data analysis, meta-analysis and cost-benefit evaluations relating to safety risks and measures.

The Senior Research Associate will be part of a growing team of researchers and will be expected to take line management responsibility for research and other staff.

The University also conducts a wide range of other research projects and is active in teaching and published research output.

There is now an opportunity to join the University as a Senior Research Associate on the SafetyCube project.

The post will be 29.6 (0.8 FTE) or 37 hours (1 FTE) depending on the candidate with hours to be agreed.

Job Purpose:

To develop and manage research in the area of safe and smart mobility and in particular to manage the Loughborough contribution to the EU H2020 funded SafetyCube project.

Job Duties:

1. To take chief responsibility for the Loughborough contribution to the SafetyCube project including:
 - i. the development of a new Decision Support System by leading the relevant Work Package;

- ii. safety data analysis and meta-analysis activities
 - iii. project organisation and administration
2. Demonstrate specialist knowledge and understanding of the field of safe and smart mobility to develop research ideas and progress research activity.
 3. Lead and contribute to the writing of scientific research papers and to publish the outcomes of research in outlets of international standing.
 4. To supervise postgraduate researchers at Masters, Doctoral and Post-Doctoral levels.
 5. To lead and collaborate in research initiatives with colleagues in the School and across the University and to contribute to the School's ongoing research profile.
 6. To lead and collaborate research initiatives with colleagues from other UK and international HEI's and other relevant bodies.
 7. Manage research projects budgets to ensure efficient use of resources.
 8. To publish research findings in academic journals and present at seminars and major international conferences.
 9. Identify sources of and secure external research funding.

Other:

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Organisational responsibility:

Reports to: Prof. Pete Thomas

Responsible for: SafetyCube project team members

Person Specification

Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application. Stages of assessment are as follows:

- 1 – Application
- 2 – Test/Assessment Centre/Presentation
- 3 – Interview

Essential Criteria

Area	Criteria	Stage
Experience	Specialist knowledge and understanding of the safe and smart mobility discipline.	1,3
	Significant experience of undertaking research into road or vehicle safety or intelligent mobility.	1,3
	Experience of conducting research with a University or Research Institute.	1,3
	Experience of managing projects including people and budgets.	1,3
	Experience of presenting research work at international conferences and publishing in refereed journals.	1,3
	Experience in the area of data analysis.	1,3
	Experience in the application of quantitative methods to safety and mobility themes.	1,3
Skills and abilities	Knowledgeable about the causes of accidents and injuries or the development and deployment of mobility technologies.	1,3
	Knowledgeable about the role of the human, vehicle, road and technologies in relation to safety or mobility.	1,3
	Ability to manage staff including conducting PDR's.	1,3
	Ability to work as part of a team and to collaborate with others.	1,3
	Competence in IT skills including data input packages.	1,3
Training	Demonstrate evidence of continuing professional development and be willing to undertake further training as appropriate and to adopt new procedures as and when required.	1,3
Education and Qualifications	PhD in safety or mobility research, or near completion.	1
Equality and Diversity	Evidence of a good working knowledge of equal opportunities and understanding of diversity in the workplace.	1,3

Desirable Criteria

Experience	Experience of developing and implementing a programme of research.	1,3
	Experience of managing large research projects.	1,3
	Experience of preparing successful grant applications to research councils, government, Innovate UK, H2020 and industry.	1,3
Skills and abilities	Advanced levels of knowledge of quantitative methods.	1,3
	Advanced knowledge about the causes of accidents.	1,3
	Advanced knowledge about the deployment of mobility technologies.	1,3

	Advanced knowledge about the role of human factors, road, vehicles and technology in relation to safety or mobility.	1,3
	Ability to identify sources of funding.	1,3
	Good track record in research publications.	1,3

Conditions of Service

The appointment will be on part-time (0.8 FTE) or full-time (1 FTE) (depending on candidate availability), fixed term contract. Salary is Specialist and Supporting Academic Grade 7, £39,324 - £46,924 per annum subject to annual pay award, starting salary to be confirmed on offer of appointment. The expected start date of the maternity cover is 1 August 2017 continuing until 31 January 2018 (subject to earlier return of the post holder).

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at <http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html>.

We also offer an on-campus nursery with subsidised places, subsidised places at local holiday clubs and a childcare voucher scheme (further details are available at: <http://www.lboro.ac.uk/services/hr/a-z/childcare-information---page.html>)

In addition, the University is supportive, wherever possible, of flexible working arrangements. We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see <http://www.lboro.ac.uk/services/hr/athena-swan/>

Informal Enquiries

For informal enquiries please contact Professor Pete Thomas +44 (0)1509 226931 or e-mail P.D.Thomas@lboro.ac.uk

Applications

The closing date for receipt of applications is **30 May 2017**.