**ROLE PROFILE**

**Job Title:** Research Associate/Fellow in Automotive Human Factors (up to 4 posts available)

**School/Department:** Faculty of Engineering, Human Factors Research Group

**Job Family and Level:** Research and Teaching Level 4 Training Grade/Level 4

**Contract Status:** Fixed-term for an initial period of 12 months, available from 1 April 2019

**Hours of Work:** Full-time (36.25 hours per week)

**Location:** Innovative Technology Research Centre, University Park

**Reporting to:** Prof Gary Burnett

**The Purpose of the New Role:**
The purpose of the role will be to have specific responsibility for research, for developing research objectives and proposals for research projects in the area of Automotive Human Factors. The post holder will be expected to plan and conduct work using approaches or methodologies and techniques appropriate to the type of research (particularly on-road studies, simulation and eye tracking), and will be responsible for writing up their work for publication. The work is likely to involve considerable interaction with industrial collaborators in various funded research projects. The role holder will also be responsible for contributing to new research proposals in this area.

The role holder will have the opportunity to use their initiative and creativity to identify new areas for research, develop research methods and extend their research portfolio.

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<tr>
<th>Main Responsibilities</th>
<th>% time per year</th>
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<tr>
<td>1. To conduct research as part of a collaborative team and contribute to the achievement of specific research objectives.</td>
<td>60%</td>
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<td>2. To collaborate in writing papers for submission to journals and conferences.</td>
<td>10%</td>
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<td>3. To build relationships with both internal and external contacts in order to exchange information, to form relationships for future collaborations and identify potential sources of funds and/or opportunities for collaboration.</td>
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<td>4. Prepare progress reports on on-going activities and research findings.</td>
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<td>5. To assist in the supervision of doctoral and undergraduate students.</td>
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<td>6. To assist in the identification and preparation of future research funding proposals.</td>
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<td>7. To provide support and guidance to other staff within the research team within own areas of knowledge/expertise.</td>
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<td>8. To utilise and contribute to organising research resources, facilities and assessment tools as appropriate.</td>
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<tr>
<td>Knowledge, Skills, Qualifications &amp; Experience</td>
<td>Essential</td>
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<td>---------------------------------------------</td>
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| **Qualifications/ Education**               | • PhD (or near completion) in Human Factors/ Ergonomics, HCI, or relevant area of Psychology  
• Publications of papers in Human-Centred conferences/journals | • PhD topic in area of Automotive Human Factors/driver behaviour  
• Publications of papers in area of Automotive Human Factors/driver behaviour | |
| **Skills/Training**                         | • Excellent oral and written communication skills, including the ability to communicate with clarity on complex information  
• High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights  
• Ability to creatively apply relevant research approaches, models, techniques and methods  
• Ability to assess and organise resource requirements and deploy effectively  
• Ability to build relationships and collaborate with others, both internally and externally (especially industrial collaborators) | • Ability to use on-road, simulation and/or eye tracking as human factors methods, and analyse the resulting data  
• Ability to prototype interfaces and/or program driving simulator scenarios (e.g. with C++, Python or a scripting language)  
• Ability to foster a research culture and commitment to learn in others | |
| **Experience**                              | • Experience in the use of research methodologies and techniques (qualitative and quantitative) for Human Factors study | • Some practical experience in running road-based studies and/or the use of simulation and eye tracking in the context of driver behaviour research  
• Previous success in gaining support for externally funded research projects  
• Experience of developing new approaches, models, techniques or methods in the area of automotive Human Factors | |
| **Personal Attributes / Other**             | • Innovative and creative thinker  
• Dedicated and hardworking with a good working attitude for a demanding role  
• Excellent planning and organisational skills with an ability to ensure deadlines are met  
• Excellent communication skills; able to effectively communicate technical information to a variety of audiences  
• Ability to work in a team as well as on own initiative  
• Willing to work closely with industry and to meet their expectations | • Have a genuine interest in automotive Human Factors  
• Desire to develop further expertise in this area of engineering research | |

**Scope of the Role**
To carry out research work in the area of Automotive Human Factors  
The work will involve several tasks including qualitative and quantitative human factors studies

**Additional Information**
The Faculty of Engineering is committed to reviewing its work and practices to ensure organisational effectiveness. Candidates should be aware that roles and responsibilities will inevitably evolve over time and be prepared to adapt as necessary.

*The University of Nottingham strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women’s careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.*