**Project Engineer (Simulation and Modelling)**

**University of Sheffield**

**Advanced Manufacturing Research Centre, Sheffield**

**£26,243 - £30,395 per annum**

**Fixed-term for 24 months**

**Ref: UOS021729**

Are you interested in working for a world top 100 university?

We have an exciting opportunity in the department of Advanced Manufacturing Research Centre (AMRC) for someone with a passion for working in the area of simulation and modelling research and looking to expand their skills in operational research to make an impact on UK manufacturing.

As a Project Engineer focussing on Simulation and Modelling, your role will primarily focus on delivering projects aligned with industrial key challenges, in the area of Discrete Event Simulation (DES) modelling, factory flow optimisation, real-time simulation modelling and data analytics to support agile decision-making processes within manufacturing environment. You will develop models, write reports and conduct research on new digital technologies within the Manufacturing Intelligence theme.

You will:

* Have a good honours degree in Operational Research, Software Engineering or a related discipline (or equivalent experience).
* Have good knowledge and experience of developing DES models using Plant Simulation, Witness, Matlab and/or AnyLogic.
* Have a good understand of manufacturing systems or business processes in principle.
* Have good communication skills, both written and verbal, especially good presentation skills.
* This role is aimed for candidates with relevant experience in an academic research environment or industrial environment.

If you are passionate about working with a growing team at the AMRC in Factory 2050, then we would love to hear from you.

**About the Team**

You will work as part of the Manufacturing Intelligence Group (MI) within the AMRC, based up at our Factory 2050 building, delivering projects looking at DES modelling, factory flow optimisation, real-time simulation modelling and data analytics to support agile decision-making processes within manufacturing environment. You will work with some of the world-leading companies within Aerospace, Automotive, Medical and Construction industries.

**About the University**

We’re one of the best not-for-profit organisations to work for in the UK. The University’s Total Reward Package includes a competitive salary, a generous Pension Scheme and annual leave entitlement, as well as access to a range of learning and development courses to support your personal and professional development.

We build teams of people from different heritages and lifestyles from across the world, whose talent and contributions complement each other to greatest effect. We believe diversity in all its forms delivers greater impact through research, teaching and student experience.

To find out what makes the University of Sheffield a remarkable place to work, watch this short film: [www.youtube.com/watch?v=7LblLk18zmo](http://www.youtube.com/watch?v=7LblLk18zmo), and follow @sheffielduni and @ShefUniJobs on Twitter for more information.

To apply, please click [here](https://jobs.shef.ac.uk/sap/bc/webdynpro/sap/hrrcf_a_posting_apply?PARAM=cG9zdF9pbnN0X2d1aWQ9MUZGN0RBMjI3MTJGMUVFOThEOUZBQkVCRTU2QjEwOEYmY2FuZF90eXBlPUVYVA%3d%3d&sap-client=400&sap-language=EN&sap-accessibility=X&sap-ep-themeroot=%2fSAP%2fPUBLIC%2fBC%2fUR%2fuos).

Closing date: 24 March 2019.

*The University is an equal opportunities employer and welcomes applications from a diverse range of applicants. All applicants will be considered entirely on the basis of their relevant merits and abilities.*