



Job Reference Number: UOS041630

Job Title: Research Associate in Understanding Water Infrastructure Risks

Contract Type: Fixed Term

Working Pattern: Part-time

Faculty: Faculty of Engineering

Department: Department of Civil & Structural Engineering
School of Mechanical, Aerospace and Civil Engineering

Location: Sir Frederick Mappin Building, Sheffield

Salary: Grade 7.3
£37,099 per annum (pro-rata)

Closing Date: 7th August 2024

Summary:

We are recruiting a dedicated Research Associate on a UK Water Industry Research (UKWIR) funded project “Understanding water infrastructure risks - major bursts, traffic volumes and the condition of road infrastructure” which aims to examine the possible link between road condition and the prevalence of burst water mains in the UK and Northern Ireland. This project provides a unique opportunity to contribute to research and development in soil-water-structure interaction of underground pipe networks.

Educated to PhD level, you will possess a good working knowledge of water distribution systems and soil-structure interaction. You will take an active role in collecting, documenting, categorising and analysing data on the prevalence and possible mechanisms of failure of water mains failures via load transfer through soil. You will consider international research on related problems and how this may be utilised in the UK context. The role will include planning the data collection including appropriate case studies, analysing and interpreting results. Findings will be presented at steering group meetings, in reports and publications. This role offers an exciting opportunity to extend your professional network within academia and the water industry.

This post is fixed-term with a flexible start date from 1st September 2024, for a maximum duration of 5 months Full Time (noting Part Time is possible) ending on or before 30th July 2024.

We are committed to exploring flexible working opportunities which benefit the individual and 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.

Apply now by clicking on the Apply button located near the top left of your screen.