

# Job Description and Person Specification

## JOB DESCRIPTION

Post title:	<b>Research Fellow</b>		
School/Department:	Geomechanics Research Group/ School of Engineering		
Faculty:	Engineering and Physical Sciences		
Career Pathway:	Education, Research and Enterprise (ERE)	Level:	4
*ERE category:	Research pathway		
Posts responsible to:	Professor David Richards		
Posts responsible for:	Development of OLE foundations in chalk		
Post base:	Office-based/Non Office-based (see job hazard analysis)		

Job purpose
To undertake research in accordance with the specified research project under the supervision of the award holder. To undertake leadership, management and engagement activities.

Key accountabilities/primary responsibilities	% Time
1. To develop and carry out an area of personal research.	40 %
2. Regularly disseminate findings by taking the lead in preparing publication materials for referred journals, presenting results at conferences, or exhibiting work at other appropriate events.	10 %
3. Contribute to the writing of bids for research funding.	20 %
4. Investigate models and approaches to test and develop them.	10 %
5. Collaborate/work on original research tasks with colleagues in other institutions.	5 %
6. Carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control.	5 %
7. Carry out occasional undergraduate supervision, demonstrating or lecturing duties within own area of expertise, under the direct guidance of a member of departmental academic staff.	5 %
8. Any other duties as allocated by the line manager following consultation with the post holder.	5 %

#### Internal and external relationships

Direct responsibility to holder of research award or academic supervisor.  
May have additional reporting and liaison responsibilities to external funding bodies or sponsors.  
May be asked to serve on a relevant School/Department committee, for example research committee.  
Collaborators/colleagues in other work areas and institutions.

#### Special Requirements

To be available to participate in fieldwork as required by the specified research project.  
To attend national and international conferences for the purpose of disseminating research results.

*Applications for Research Fellow positions will be considered from candidates who are working towards or nearing completion of a relevant PhD qualification. The title of Research Fellow will be applied upon successful completion of the PhD. Prior to the qualification being awarded the title of **Senior Research Assistant** will be given.*

## PERSON SPECIFICATION

Criteria	Essential	Desirable	How to be assessed
Qualifications, knowledge and experience	<p>PhD or equivalent professional qualifications and experience in Geomechanics.</p> <p>Detailed understanding and knowledge of CT scanning and image processing of soft rock specimens.</p> <p>Knowledge of advanced element testing; laboratory set-up and numerical analyses; advanced image analysis of chalk.</p>	<p>Project supervision at undergraduate level and contributing to teaching at postgraduate level.</p> <p>Large scale field testing.</p>	CV Interview
Planning and organising	Able to organise own research activities to deadline and quality standards.		CV Interview
Problem solving and initiative	<p>Able to develop understanding of complex problems and apply in-depth knowledge to address them.</p> <p>Able to develop original techniques/methods.</p>		CV Interview
Management and teamwork	<p>Able to supervise work of junior research staff, delegating effectively.</p> <p>Able to contribute to School/Department management and administrative processes.</p> <p>Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development.</p>		CV Interview
Communicating and influencing	<p>Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audience.</p> <p>Able to present research results at group meetings and conferences.</p> <p>Able to write up research results for publication in leading peer-viewed journals.</p> <p>Work proactively with colleagues in other work areas/institutions, contributing specialist knowledge to achieve outcomes.</p>		CV Interview
Other skills and behaviours	<p>Understanding of relevant Health &amp; Safety issues.</p> <p>Positive attitude to colleagues and students.</p>		CV Interview
Special requirements	<p>Able to attend national and international conferences to present research results.</p> <p>Able to work away from the office on location within the UK.</p>		CV Interview

## JOB HAZARD ANALYSIS

### Is this an office-based post?

<input type="checkbox"/> Yes	If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below.
<input checked="" type="checkbox"/> No	<p>If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.</p> <p>Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder.</p>

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

ENVIRONMENTAL EXPOSURES	Occasionally (<30% of time)	Frequently (30-60% of time)	Constantly (> 60% of time)
Outside work	20%		
Extremes of temperature (eg: fridge/ furnace)	N/A		
## Potential for exposure to body fluids	N/A		
## Noise (greater than 80 dba - 8 hrs twa)	N/A		
## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: Small quantities of solvents (for e.g. cleaning), and minor exposure to chalk dust during sampling and preparation.	Yes		
Frequent hand washing	Yes		
Ionising radiation	No		
<b>EQUIPMENT/TOOLS/MACHINES USED</b>			
## Food handling	N/A		
## Driving university vehicles(eg: car/van/LGV/PCV)	Yes		
## Use of latex gloves (prohibited unless specific clinical necessity) No – latex free gloves (nitrile) are used	No		
## Vibrating tools (eg: strimmers, hammer drill, lawnmowers)	Yes		
<b>PHYSICAL ABILITIES</b>			
Load manual handling	Yes		
Repetitive crouching/kneeling/stooping	N/A		
Repetitive pulling/pushing	N/A		
Repetitive lifting	N/A		
Standing for prolonged periods	N/A		
Repetitive climbing (ie: steps, stools, ladders, stairs)	N/A		
Fine motor grips (eg: pipetting)	N/A		
Gross motor grips	N/A		
Repetitive reaching below shoulder height	N/A		
Repetitive reaching at shoulder height	N/A		
Repetitive reaching above shoulder height	N/A		
<b>PSYCHOSOCIAL ISSUES</b>			
Face to face contact with public	N/A		
Lone working	N/A		
## Shift work/night work/on call duties	N/A		