

JOB DESCRIPTION

Job Title:	Post Doctoral Researcher	Grade:	AC1 or AC2
Department:	Faculty of Engineering and Science	Date of Job Evaluation:	
Role reports to:	Director, Wolfson Centre for Bulk Solids Handling Technology		
Direct Reports	As above		
Indirect Reports:	Researchers in the Wolfson Centre		
Other Key contacts:	Admin and technical staff; PhD students; External industrial and academic collaborators		
This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.			

PURPOSE OF ROLE: To work as part of a consortium involving 3 other Universities around the UK with the aim to develop a Virtual Formulation Laboratory (VFL), a software tool for prediction and optimisation of manufacturability and stability of advanced solids-based formulations. The input from this post will be key towards the goal of the development of the VFL Toolkit, tasked to the University of Greenwich as their role in the consortia.

KEY ACCOUNTABILITIES:

Team Specific:

1. To engage in research activity related to the Virtual Formulation Laboratory project:
 - To assist in developing the concept and fabric of the Virtual Formulation Laboratory Toolkit;
 - To plan and execute Laboratory test work
 - To develop physical and mathematical models
 - To write articles for journals, conference papers and trade publicity, and to represent the Wolfson Centre at trade shows and conferences, taking enquiries from potential clients
 - To liaise with industrial and academic collaborators which will include visits to their premises to view plant and participate in meetings, telephone contact to report progress and discuss technical issues, and any other forms of contact as may be required from day to day. It may be necessary at times to travel in the UK or abroad for periods of up to one week.
 - Additional duties will be added as they are required in the course of the centre providing a developing range of enterprise activities to industry.
2. To liaise with clients and research consortia as required
3. To engage in research activity :
 - The researcher will be expected to work with specialists in many technical fields at the Centre, to utilise their expertise as well as their own. Literature research must be undertaken occasionally, to assess the current state of technology in less commonly used technical areas.
 - Supervise student projects at both undergraduate level and postgraduate level and assist in the development of student research skills.

- Participation/ lead in the production of research publications

Generic:

- provide effective communication of complex ideas in relation to the project
- support (AC2 lead) team members in research, teaching and learning situations where appropriate
- assist (AC2 lead) in developing bids for research and consultancy activities

Managing Self:

- Training (both formal and on the job) in relevant technical areas will be given where appropriate.
- The researcher will be expected to take responsibility for self-education and keeping up to date in appropriate technical areas. (AC2)
- Take a lead role in managing research activities and budgets of projects.
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Core Requirements:

- Adhere to and promote the University's policies on Equality and Diversity and Information Security Ensure compliance with Health & Safety regulations
- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible.

Additional Requirements:

N/A

KEY PERFORMANCE INDICATORS:

- Delivery of departmental KPIs against the University's strategic plan.
- Delivery of teaching and learning against university strategic plan KPIs.
- Delivery of research output in line with University strategic plan KPIs.

KEY RELATIONSHIPS (Internal & External):

- Work in an integrated way on research projects with other Wolfson staff members, external (industry and academic) project members, customers and research collaborators
- Collaborate with technician staff and subcontractors in getting equipment procured, delivered, commissioned and developed.
- Work with our key stakeholders to develop relationships with international industry, our feeder schools and the wider community.

PERSON SPECIFICATION
Essential
Experience

Substantial post-PhD experience in powder technology in a professional capacity
Experience of publishing and disseminating research

Desirable
Experience

Project work with industrial customers, preferably in a commercial environment

<p>Skills Ability to work in a multi-disciplinary team environment Ability to work with minimum supervision Ability to manage own workload Willingness to travel</p> <p>Qualifications PhD in an aspect of powder handling and processing</p> <p><i>For AC2 grade the following criteria are also essential:</i> Skills:</p> <p>Specialist knowledge and expertise in bulk solids handling and powder technology</p> <p>Specialist skills in relevant laboratory work including design of experiments, interpretation and presentation of data</p> <p>Ability to communicate technical work at high level</p> <p>Experience of project work for both research and consultancy</p>	<p><i>For AC2 grade the following criteria are also desirable:</i></p> <p>Experience</p> <p>Research or industrial experience in bulk materials handling</p> <p>Experience of writing bids and obtaining funds from industry, research councils etc.</p> <p>Substantial period of work in an industrial environment for example a consultancy or manufacturing company dealing with bulk solids</p> <p>Some experience of teaching and supervision in a higher education environment</p> <p>Skills N/A</p> <p>Qualifications N/A</p>
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Personal attributes

We are looking for people who can help us deliver the [values](#) of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity

Personal attributes

N/A