



Job title	Research Fellow in Polymer Processing (Title will be 'Research Associate' where an appointment is made before PhD is completed)	Job family and level	Research & Teaching Level 4 (Appointment will be Level 4 Career Training Grade where an appointment is made before PhD has been completed)
School/ Department	Faculty of Engineering	Location	University Park & Jubilee Campus

Purpose of role

An exciting opportunity has arisen for an ambitious PhD (or soon to be) qualified scientist or engineer to join a multidisciplinary team and support research into recycling of acrylic plastics. Working in collaboration with Mitsubishi Chemical UK Ltd the successful candidate will be responsible for the delivery of technical work packages which aim to enhance the understanding of acrylic depolymerisation with thermal processing techniques.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Delivery of the practical laboratory components of a research programme aimed at recycling acrylic plastics. This includes working collaboratively with the industrial sponsor and academic team to understand the project objectives and the research plan, commissioning new laboratory processing and analytical equipment, day to day project delivery, maintaining a safe operating environment and training postgraduate students.	60%
2	Support the senior research fellow and line manager with further funding bids.	10%
3	Production of reports and publications, dissemination of results, presentations to industry sponsors and academic collaborators.	20%
4	Supervise postgraduate research students	10%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Organisational and project management ▪ Communication and presentation skills ▪ Self-motivated, able to work independently and as part of a team 	<ul style="list-style-type: none"> ▪ Laboratory management and supervision skills
Knowledge and experience	<ul style="list-style-type: none"> ▪ Laboratory techniques for polymer processing ▪ Laboratory techniques for material characterisation and product analysis ▪ Proven track record of safe laboratory working practices ▪ Experience in disseminating research outcomes in written and verbal forms 	<ul style="list-style-type: none"> ▪ Experience of industry-focussed projects ▪ Experience in thermal processing technologies ▪ Experience with acrylic materials ▪ Understanding of mass transfer processes
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD (or about to obtain) in engineering, physical or material science disciplines. 	<ul style="list-style-type: none"> ▪ PhD in chemical or process engineering



The University 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.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key relationships with others

