

Role Profile – Innovation Fellow

Purpose of the role:

An Innovation Fellowship is a personal award, designed to provide the recipient with the necessary support to establish, or further develop themselves as a leader of the future. This award will enable the recipient to position their research topic within the wider academic field, to develop their leadership by establishing their own research group, and to act as an advocate for the Hub.

The role holder will be an early stage researcher looking to take the first step towards an independent research career. The person appointed will be required to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio. They will be expected to plan and conduct work using appropriate approaches or methodologies, and will be responsible for writing up their work for publication. The role holder will have already developed a credible research track record, contributing to major research projects in the field of composites manufacturing, enabling opportunities to be identified for new research proposals and collaborations within this field.

Candidates must have (or be about to obtain) a PhD, or equivalent in a relevant area, together with the relevant research skills, knowledge and track record in the field of polymer composites.

Knowledge, Skills, Qualifications & Experience

Research Excellence	<ul style="list-style-type: none">• Has a track record of outstanding research and in delivering impact.• Shows a strong awareness of the international context of the research and starting to show evidence of recognition in the community on an international scale.
Leadership	<ul style="list-style-type: none">• Evidence of showing leadership within the research community and evidence of pushing the boundaries of the research area.• Has the ability to lead and inspire their own research team. Ability to identify and maximise potential in others (or get the best out of people).
Strategic vision	<ul style="list-style-type: none">• Has some experience in identifying, exploring and developing research opportunities more broadly and across different interfaces.• Has an awareness of how to position themselves to take up these opportunities and an ability to make decisions to deliver this vision.
Profile and Influence	<ul style="list-style-type: none">• Self-starting and pro-active, and with the ability to both work alone and in a team to meet deadlines and to prioritise tasks.• Willingness to adopt the ethos and principles of the Hub to deliver high quality research and knowledge exchange.• Shows potential and aptitude to act as an ambassador and advocate for a research field/theme and for research in general. Advising and influencing into policy making.
Communication and engagement	<ul style="list-style-type: none">• Demonstrates excellent communication and interpersonal skills and aspires to develop these further across a broad audience.
Qualifications/ Education	<ul style="list-style-type: none">• PhD in a relevant subject area (such as Mechanical Engineering or Materials Science). OR near to completion of a PhD in a relevant subject area.

	Main Responsibilities	% time per year
1.	<p>Research</p> <ul style="list-style-type: none"> • To analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights to the research area. • To plan and conduct research using recognised approaches, methodologies and techniques to support current activities within the Hub. This research should be within one of the five research priority areas <ul style="list-style-type: none"> • High rate deposition and rapid processing technologies • Design for manufacture via validated simulation • Manufacturing for multifunctional composites and integrated structures • Inspection and in-process evaluation • Recycling and re-use 	50%
2.	<p>Publications</p> <ul style="list-style-type: none"> • Write up research work for publication and/or contribute to the dissemination at national/international conferences, resulting in successful research outputs. 	20%
3.	<p>Project management</p> <ul style="list-style-type: none"> • Define research objectives in collaboration with senior colleagues and Hub partners. • Develop internal work plans/timetables with research staff, support staff, and project partners. • Manage resources in order to achieve research outputs. • Organise and participate in Hub meetings with other project partners to clarify objectives and communicating research outcomes. • Collaborate with Hub partners throughout the UK. 	10%
4.	<p>Funding applications</p> <ul style="list-style-type: none"> • Identify opportunities and assist in writing bids for research grant applications with Hub partners. Prepare proposals and applications to both external and/or internal bodies for funding or contractual purposes. 	10%
5.	<p>Collaboration</p> <ul style="list-style-type: none"> • Build relationships with both internal and external Hub partners in order to exchange information, form future collaborations and identify potential sources of funding. 	10%