

Information on Po	ostgraduate Research	Scholarship - Ref: FES-PhD-2425-05	
Faculty:	Engineering & Science	Department: Engineering	
Lead Supervisor:	Dr. Hamid Salehi		
Project Title:	Sustainable additive manufacturing—Advancing Powder Recycling and Monitoring		
Project Description:	Additive manufacturing with its global market papproximately £51 billion manufacturing (LAM) is the minimise waste and costs factors such as particle at of condensate fines. The sintering, and the quality of the recycling ratio, manufacturing powder quality remains a significant reservation of the state-of-the-art Gressimulating real-world individing will investigate how variations.	egradation depends on various factors, including nufacturing parameters (e.g., temperature, air and handling methods. Despite its importance, by deterioration over extended LAM operations	
Duration:	3 years, Full-Time Study o	or 6 years, Part-Time Study	

Bursary available (subject to satisfactory performance):

Please note that as part of your application process, there will be short-listing of candidates per project. Those shortlisted will be interviewed and then there is a competitive selection that includes the project and candidate to decide which project will receive which financial support. This financial support can take up the form of a (partial) tuition fee waiver and/or stipend for your PhD studies. You will be made aware of what that offer will be and will then be asked to decide on moving forwards with your application or not.

In case of allocation of financial support, then the tuition fee waiver would include a contribution to tuition fees equivalent to the university's Home rate, currently £4,786 (FT) or pro-rata (PT), for the duration of their scholarship. International applicants may need to pay the remainder tuition fee for the duration of their scholarship.

In case of the allocation of a stipend, then this fee would be subject to an annual increase.

Year 1: £19,237 (FT) or pro-rata (PT)

Year 2: In line with UKRI rate Year 3: In line with UKRI rate

Criteria	a:		E or D	
Educat	tion and Training:			
•	1 st Class or 2 nd class, First Divisi	on (Upper Second Class) honours degree or a		
	taught master's degree with a	minimum 60% overall (or equivalent) in a relevant	E	
	area to the proposed research	project		
•	For those whose first language is not English and/or if from a country where			
	English is not the majority spok	ken language (as recognised by the UKBA), a		
	language proficiency score of a	it least IELTS 6.5 (in all elements of the test) or an		
	equivalent UK VISA and Immigration secure English Language Test is required, if your programme falls within the faculty of Engineering and Science a language proficiency score of at least IELTS 6.5 overall with a minimum of 6.0 in all elements of the test or an equivalent UK VISA and Immigration secure English Language Test is required. Unless the degree above was taught in English and obtained in a majority English speaking country, e.g. UK, USA, Australia, New			
	Zealand, etc, as recognised by the UKBA.			
Experie	ence & Skills:			
•	Previous experience of undertaking research (e.g. undergraduate or taught			
	master's dissertation)			
•	Experience in particle technology and/or the mechanics of particulate solids			
•	Experience in powder-based additive manufacturing			
•	Experience in developing predictive and optimisation toolkits for particulate			
	handling systems			
Person	al Attributes:			
•	Understands the fundamental differences between a taught degree and a			
	research degree in terms of approach and personal discipline/motivation			
•	Able to, under guidance, complete independent work successfully			
Other	Requirements:			
•	This scholarship may require Academic Technology Approval Scheme approval			
	for the successful candidate if from outside of the EU/EEA			
•	The scholarship must commen	ce by September 2025	E	
Closin	g date for applications:	midnight UTC on 16/02/2025		

Making an application:

Please read this information before making an application. Information on the application process is available at: https://www.gre.ac.uk/research/study/apply/application-process. Applications need to be made online via this link. **No other form of application will be considered**.

All applications must include the following information. Applications not containing these documents will not be considered.

- Scholarship Reference Number (*FES-PhD-2425-05*)—included in the personal statement section together with your personal statement as to why you are applying
- a CV including 2 referees *
- academic qualification certificates/transcripts and IELTs/English Language certificate if you are an international applicant or if English is not your first language or you are from

a country where English is not the majority spoken language as defined by the UK Border Agency $\ensuremath{^{\ast}}$

Before submitting your application, you are encouraged to liaise with the Lead Supervisor on the details above.

^{*}upload to the qualification section of the application form. Attachments must be a PDF format.