

Information or	n Postgraduate Resea	rch Scholarship	- Ref: M <sup>3</sup> 4Impact-FES-25	
Faculty:	Engineering and Science	Department:	Computing and Mathematical Sciences	
Lead Supervisor:	Dr Jian Zhong		1	
Project Title:	Modelling high resolution spatial and temporal temperature variations in London			
Project Description:	compared to the surrour temperature difference is (UHI), population density a urbanised areas is a key r given the increase in global urban overheating is increased in global urban duse types, urban building and traffic), topolarims to quantify the impactange of planning codes change - on the mitigation literature review on urban vulnerabilities, 2) to confire solution ADMS-Urban clieffects using London as a curban planning scenarios.  The PhD will primarily be climate models to underse scenarios. As a member of (CSEG), the successful applin numerical modelling, mof the team's esteem, CSI million Expanding Excelle its world-leading research	adding sub-urban and affected by various far affected by various far and aerodynamic rough isk for human health all temperature and urbasingly recognised as a superature variations in morphology, anthrography and meteorocts of urban planning and building enveloped in the absolute of the assessing and and predict the of the Computational, utilisitand and predict the of the Computational solicant will join a team atternal processing, and action of the M34I ince in England (E3) grant. The successful cand earch group, and so bigrant.	effect of UHI for a range of Science and Engineering Group In with many years of expertise and digital cities. As a measure	
	e (subject to satisfactory			

## Bursary available (subject to satisfactory performance):

Rates below are for full time (FT) mode.

Year 1: £23,237 (£19,237 UKRI rate + London weighting = £2,000 + Enhanced bursary = £2,000)

Year 2: In line with UKRI rate + London weighting = £2,000 + Enhanced bursary = £2,000

Year 3: In line with UKRI rate + London weighting = £2,000 + Enhanced bursary = £2,000

Year 4\*: In line with UKRI rate + London weighting = £2,000 + Enhanced bursary = £2,000

In addition, the successful candidate will receive a contribution to tuition fees, equivalent to the University Home Rate, currently £5, 006 (FT), for the duration of their scholarship. International applicants may need to pay the remainder tuition fee for the duration of their scholarship.

This fee is subject to an annual increase.

\* The bursary is for 3 years with a potential extension of up to a maximum of 12 months. Funding extensions may be granted if the student demonstrates, to the satisfaction of the M³4Impact Principal Investigators and PhD supervisors, that the thesis can be completed during the granted extension period.

Perso	n Specification of Essential (E) or Desirable (D) requirements:		
Criteri	a:	E or D	
Educa	tion and Training:		
•	1st Class or 2nd class, First Division (Upper Second Class) honours degree or a		
	taught master's degree with an average of 60% overall in all areas of		
	assessment (UK or UK equivalent) in a relevant area to the proposed research	E	
	project		
•	For those whose first language is not English and/or if from a country where		
	English is not the majority spoken language (as recognised by the UKBA), a		
	language proficiency score of at 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	E	
	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.		
Experi	ence & Skills:		
•	Previous experience of undertaking research (e.g. undergraduate or taught	Е	
	master's dissertation)		
•	Experience in a related discipline e.g.		
•	Environmental Science	E	
•	Mathematical Modelling		
•	Experience in programming in R, Fortran or python	D	
•	Experience of numerical modelling techniques and visualisation (e.g. GIS)	D	
•	Experience of numerical modelling packages, e.g. ADMS-Urban, WRF, or		
	equivalent	D	
Persor	nal Attributes:	•	
•	Understands the fundamental differences between a taught degree and a	E	
	research degree in terms of approach and personal discipline/motivation		
•	Able to, under guidance, complete independent work successfully	E	
Other	Requirements:		
•	This scholarship may require Academic Technology Approval Scheme approval	E	
	for the successful candidate if from outside of the EU/EEA		

<ul> <li>Start date is flexible and will be agreed with supervisory team and M<sup>3</sup>4Impact</li> <li>Programme Leads</li> </ul>		
Closing date for applications:	15 <sup>th</sup> June 2025	
For further information contact:	Dr Jian Zhong (jian.zhong@greenwich.ac.uk)	

## Making an application:

Please read this information before making an application. Information on the application process is available at: <a href="https://www.gre.ac.uk/research/study/apply/application-process">https://www.gre.ac.uk/research/study/apply/application-process</a>. 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 (\*M³4Impact\*) Clearly included "M³4Impact" 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 \*

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

<sup>\*</sup>upload to the qualification section of the application form. Attachments must be a PDF format.