

Faculty:	Engineering and Science	Department:	CMS	
Lead Supervisor:	Dr. Asim Siddiqui			
Project Title:	A Building Information Modelling based Digital Workflow for Fire Safety Engineering.			
Project Description:	The world renowned of Greenwich, have an excandidate to join the Fire toolsets and standards environment. The Grenfell Tower fire I safety for high-rise dwellifatalities. The Hackitt Repoor practices associated these failures the report development of a "golder Fire Safety. Building Infapproach, has been ident date, the specific Fire Sanot explicitly captured Model. The Fire Safety Engineeri buildingSMART International indust with international indust with international effort. The position as a key member them unbridled access practitioners. The novelty of the resent Delivery Specification (I requirements of fire more workflows and processes project will be an internesearch student will be proposed to play a major role in the IDS, for selected fire this work will greatly important to play a will be play a will greatly important to play a will be play a w	citing opportunite Safety team development into this trade with the UK comakes several report into this trade with the UK comakes several report into this trade with the UK comakes several report into this trade with the UK comakes several report into Model in the BIM Industrial and academical (bSI), who strial and academican to FSE. The appointed resear of this research is to leading modern the administrational collaborational collaborationa	neering Group, University of ty for a skilled and motivated veloping the next generation of e safety analysis in the built mic failures in provision of fire a devastating fire that caused 72 agic loss, identified failures and instruction industry. To address ecommendations, including the mation" related to buildings and ling (BIM), a digital data flow achieving this aim. However, tog (FSE) information exchange is ustry Foundation Classes (IFC) her working in conjunction with et the BIM standards, together inc partners, to extend BIM IFC her esearch will build on this rich student will be in a unique and development team, giving multinational researchers and con developing suitable FSE digital nistration of bSI, the IDS for FSE instration project. The appointed of project team and is expected evelopment activities. Work on open-source pluging the strate the concepts developed the modelling tools. It is expected ture, building and construction ty, accuracy, cost reduction, accuracy, cost reduction,	

	information sharing, data preservation and the enabling of new approaches to issues such as clash detection, building management and smart building systems, leading to greatly improved resilience in the built environment.
	This project is 50% funded by OFR Consultants and the student will be expected to spend some time at their office in Hatton Gardens London, assisting and studying cutting edge Fire Engineering practices. In addition, the student will gain experience in both fire- and evacuation- modelling through the PPFM and PPEM short courses and will become a competent practitioner in using computational fire engineering tools.
Duration:	3 years, Full-Time Study or 6 years, Part-Time Study

Bursary available (subject to satisfactory performance):

Year 1: £17,668 (FT) or pro-rata (PT) Year 2: In line with UKRI rate Year 3: In line with UKRI rate

In addition, the successful candidate will receive a contribution to tuition fees equivalent to the university's Home rate, currently £4,596 (FT) or pro-rata (PT), for the duration of their scholarship. International applicants will need to pay the remainder tuition fee for the duration of their scholarship.

This fee is subject to an annual increase.

Person Specification of Essential (E) or Desirable (D) requirements:	1	
Criteria:		
Education and Training:	_	
 1st Class or 2nd class, First Division (Upper Second Class) honours degree or a 		
taught master's degree with a minimum average of 60% in all areas of	E	
assessment (UK or UK equivalent) in a relevant 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 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	_	
proficiency score of at least IELTS 6.5 overall with a minimum of 6.0 in all	E	
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.		
Experience & Skills:		
 Previous experience of undertaking research (e.g. undergraduate or taught 	E	
master's dissertation)		
 Experience with a high-level programming, such as C++, C#, Java or Python 	E	
Self motivated and a team player.	E	
 Experience of Fire Engineering practices, procedures and/or regulations 	D	
Knowledge of computation Fire Modelling	D	
Knowledge of Pedestrian Modelling	D	

For further information contact: A		Asim Siddiqui (A.A.Siddiqui@greenwich.ac.uk)			
Closin	Closing date for applications: midnight UTC on 15 th March 2023				
•	 The scholarship must commence before 1st July 2023 		E		
	for the successful candidate if	ate if from outside of the EU/EEA			
•	This scholarship may require Academic Technology Approval Scheme approval		_		
Other Requirements:					
•	Able to, under guidance, complete independent work successfully		E		
	research degree in terms of ap	proach and personal discipline/motivation	E .		
•	Understands the fundamental	differences between a taught degree and a	_		
Person	Personal Attributes:				
•	An understanding of Building Information Modelling				

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 (VCS-FES-05-22) 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 *

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.