

Personnel Specification

Role: Lecturer in Hydrogen Safety
School: School of the Built Environment
Faculty: Faculty of Art Design and the Built Environment

Ref: J09/194

Educational and Professional Qualifications	Essential	Degree in Hydrogen Safety, Fire & Explosion Safety, Combustion, Computational Fluid Dynamics, Engineering, Physics or other relevant discipline.
	Desirable	PhD degree in Hydrogen Safety, Fire and Explosion Safety, Combustion, Computational Fluid Dynamics, Engineering, Physics or other relevant discipline. Membership of a professional body appropriate to the post.
Previous Experience/ Training	Essential	Research experience in the area of Hydrogen Safety, Fire and Explosion Safety, Combustion, Computational Fluid Dynamics, Engineering, Physics or other relevant discipline. Experience of modern advanced experimental, numerical and/or analytical techniques.
	Desirable	Lecturing and examining experience at undergraduate or postgraduate level. Experience in Fluent and OpenFOAM software. Knowledge of object-oriented programming languages C++ and/or PHP. Experience in web design. Successful research student supervision.
Job Related Achievements	Essential	Practical experience in conducting research programmes. Knowledge of computational fluid dynamics.
	Desirable	Experience of presenting reports to professional colleagues, bodies and conferences. Record in academic/research networking. Evidence of leadership and innovation in development of teaching courses/modules. Experience in technology transfer. Participation in research collaboration.
Inter-Personal Skills	Essential	Good oral and written skills. Ability to supervise and manage research and work within a multi-disciplinary team. Self-motivation in targeting innovative teaching, research, performance and reporting.
	Desirable	Evidence of ability to provide pastoral care to students.

Research	Essential	Capacity to participate in the next Research Excellence Framework exercise. Evidence of ability to complete research projects and submit reports within deadlines.
	Desirable	Evidence of research publications in peer reviewed journals. Evidence of contributing to hydrogen research funding applications. Evidence of having successfully attained external funding for research projects.
Other	Essential	Willingness to travel. Highly motivated and ability to meet deadlines.

The University is legally required to confirm that all new appointees are eligible to work in the UK. If selected for appointment and prior to taking up the post offered at Ulster you must confirm your eligibility to work within the UK by attending a 'New Start' session and produce relevant original documents in order to confirm your identity and entitlement to work in the UK.