

Personnel Specification

Role: Lecturer in Safety of Hydrogen-Powered Vehicles

Ref: J09/108

School: School of the Built Environment

Faculty: Faculty of Art Design and the Built Environment

Educational and Professional Qualifications	Essential	PhD degree in Combustion, Computational Fluid Dynamics, Engineering, Physics or other relevant discipline.
	Desirable	Membership of a professional body appropriate to the post.
Previous Experience/ Training	Essential	Research experience working in the field of hydrogen safety, or in an area cognate to HySAFER's Centre activities. Experience of modern advanced experimental and 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 and managing research programmes. Knowledge of computational fluid dynamics. Experience of presenting reports to professional colleagues, bodies and conferences. Record in academic/research networking.
	Desirable	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	Evidence of research publications in peer reviewed journals in the last four years. Evidence of contributing to hydrogen research funding applications.
	Desirable	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.