

JOB DESCRIPTION

Vacancy Ref: A2958

Job Title:	Senior Research Associate for the ATLANTIC project	Present Grade: 7
Department/College:	Engineering Department	
Directly responsible to:	Professor Colin Boxall	
Supervisory responsibility for:	Research Students, Masters Students, UG Project Students	
Other contacts	<p>Internal: Other academic staff and (senior) research associates in the Nuclear Research Group; research staff on related projects</p> <p>External: Collaborators / partners working on the project / ATLANTIC Consortium.</p>	
Major Duties:	<ol style="list-style-type: none"> 1. Undertaking and lead research necessary to achieve Lancaster University's aims within the EPSRC-funded "Accident ToLerANT fuels In reCycling (ATLANTIC)" project. More specifically, to assist with the key goal of achieving an understanding the dissolution and corrosion behaviour of uranium nitride and uranium silicide accident tolerant fuel materials. 2. Working effectively in a cross-disciplinary academic-industry team to achieve the above goal, and to be prepared to perform active experimentation on real uranium bearing samples. 3. To undertake periods of placement, away from Lancaster Campus, at sample fabrication facilities in the UK and overseas, said placements to last up to a month at a time. 4. Leading the planning, development, and publication of our work within the project. 5. Preparing and presenting of talks, posters and reports to disseminate the results of the research. 6. Participating in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field. 7. Taking a lead in the preparation of (potentially collaborative) journal papers for publication of project findings. 8. Participating in all project meetings, including the development of progress reports describing and reflecting on the results of the project. 9. Participating in (and ultimately taking the lead in) writing new research proposals that build on the expertise developed in this project – particularly proposals relating to gaining access to active, large-scale and / or international facilities. 10. Support the co-ordination, administration and supervision of research students within the Department, especially those working in nuclear related areas. 11. Through the above, develop an independent and leading research profile internationally. 12. Any other duties appropriate to the grade and position as directed by your line manager. 	