

JOB DESCRIPTION
Vacancy Ref: A2909

Job Title:	Senior Research Associate for the REACTION project	Present Grade: 7P
Department/College:	Engineering Department	
Directly responsible to:	Dr Michael Aspinall	
Supervisory responsibility for:	Research Students, Masters Students, UG Project Students	
Other contacts		
Internal: Other academic staff and (senior) research associates in the Nuclear Research Group; research staff on related projects		
External: Collaborators / partners working on the project.		
Major Duties:		
<div><div>1.</div><div>Undertaking and lead research necessary to achieve the aims outlined by the EPSRC-funded “Radiation tolerant rapid criticality monitoring (REACTION)” project. More specifically develop, commission and characterise high-radiation tolerant detectors and support the development of associated acquisition hardware for recriticality monitoring of the stricken Fukushima Daiichi reactors.</div></div>		
<div><div>2.</div><div>Working effectively in a cross-disciplinary academic-industry team to achieve the above goal, and to be prepared to perform active experimentation at research facilities in the UK and Japan for periods of up to two weeks at a time.</div></div>		
<div><div>3.</div><div>Support the planning, development, and publication of our work within the project.</div></div>		
<div><div>4.</div><div>Preparing and presenting talks, posters and reports to disseminate research results.</div></div>		
<div><div>5.</div><div>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.</div></div>		
<div><div>6.</div><div>Participating in all project meetings, including the development of progress reports describing and reflecting on the results of the project.</div></div>		
<div><div>7.</div><div>Supporting the writing of 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.</div></div>		
<div><div>8.</div><div>Support the co-ordination, administration and supervision of research students within the Department, especially those working in nuclear related areas.</div></div>		
<div><div>9.</div><div>Through the above, develop an independent and leading research profile internationally.</div></div>		
<div><div>10.</div><div>Any other duties appropriate to the grade and position as directed by your line manager.</div></div>		