**PERSON SPECIFICATION**

**Vacancy Ref: 1323-23**

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| **Job Title:** Senior Research Associate | **Present Grade:** 7 |
| **Department/College:** Engineering Department |
| **Directly responsible to:** Dr Xiaodong Wang |

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| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview\* |
| An honours degree in Chemistry, Chemical Engineering, or related discipline. EngD or PhD (or near completion) in a relevant field to catalysis, or similar discipline. | Essential | Application Form |
| Knowledge of heterogeneous (photo) catalysis and the ability to synthesise, characterise and testing catalysts.Knowledge of hydrogenation reactions and the ability to perform this type of reaction. | Essential | Interview / Supporting Statements |
| Demonstrable ability to collect, analyse and interpret experimental, especially characterisation and reaction, or simulated data. | Essential | Interview / Supporting Statements |
| Demonstrable publication record of research in a relevant area. | Essential | Application Form |
| The desire and flexibility to work at the bases of both of the collaborative partners and willingness to travel within the UK and internationally when appropriate. | Essential | Interview / Supporting Statements |
| Good verbal, communication and interpersonal skills.Experience of working in a team and contributing to a collaborative effort. | Essential | Interview / Supporting Statements |
| Experience of regenerating cofactor NAD(P)H. | Desirable | Interview / Supporting Statements |
| Experience of dealing with and analysing biological molecules (using enzymatic assays and HPLC). | Desirable | Interview / Supporting Statements |
| Experience of developing continuous-flow liquid phase chemical reactor. | Desirable | Interview / Supporting Statements |

* **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence eg award of a PhD. Will be “scored” as part of the shortlisting process.
* **Supporting Statements** - applicant are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
* **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.