

PERSON SPECIFICATION

Vacancy Ref: A3220

**Research Fellow/Senior Research Associate (Research Officer) of ‘High performance Wide spectral range Nanoprobe (HiWiN)’ EPSRC project.”**

Criteria	Essential/ Desirable	* Application Form/ Supporting Statements/ Interview
A >3 years research experience after PhD award in Engineering, Physics, or a related subject.	<b>Essential</b> (for Grade 8, Research Fellow), <b>Desirable</b> (for Grade 7, Research Associate).	Application Form
An equivalent to PhD level research experience after Master degree in Engineering, Physics, or a related subject.	<b>Essential.</b>	Application Form
Experience in one of the following: a) mid-IR optics and experiments, b) THz optics and experiments, c) experimental photonics, d) free electron laser experiments.	<b>Essential</b> (for Grade 8, Research Fellow), <b>Desirable</b> (for Grade 7, Research Associate).	Supporting Statements
Extensive practical experience in design, setting up and operation of optical systems, optomechanics, sources, detectors, etc.	<b>Essential</b>	Application Form/Supporting Statements
Extensive practical experience in building advanced experimental systems or setting up complex experiments, interfacing experiments with computers via software (Labview, Matlab, Python etc).	<b>Essential</b>	Application Form/Supporting Statements
Excellent interpersonal skills including team working and a collegiate approach in diverse multicultural environments.	<b>Essential</b>	Supporting statements/Interview
Excellent organisational, time management and project management skills.	<b>Essential</b>	Supporting statements/Interview
Willingness to travel to the FELIX site (Nijmegen, Netherlands) during installation, testing and training phase of the project.	<b>Essential</b>	Interview
Experience in operating scanning probe microscopy.	<b>Desirable</b>	Application Form/Supporting Statements/ Interview
Experience in software tools for design and modelling of optical systems (ZEMAX, Lumerical, COMSOL).	<b>Desirable</b>	Application Form/Supporting Statements
Experience in the microfabrication.	<b>Desirable</b>	Application Form/Supporting Statements

Excellent reporting and communication skills (oral and written) supported by the publication record.	<b>Desirable</b>	Supporting statements/Interview
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- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to answer a specific supporting statement. Normally used to evaluate factual evidence eg award of a qualification. Will be “scored” as part of the shortlisting process.
- **Supporting Statements** - applicants are asked to provide a statement as part of their application 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.