Physics | Lancaster University

Research Associate/Senior Research Associate in Terahertz Switching of Magnetic Materials

Ref: 0156-26

Criteria	Essential/ Desirable	Application Form / Interview *
A PhD or equivalent in a relevant research area	Essential	Application Form
Working knowledge and practical research experience in ultrafast spectroscopy or terahertz photonics **(Grade 7)** Considerable research experience in ultrafast/terahertz spectroscopy of cooperative dynamics in condensed matter	Essential	Application Form/ Interview
Experience of time resolved studies of ultrafast spin dynamics **(Grade 7)** Considerable independent experience in ultrafast magnetism	Desirable	Application Form/ Interview
Experience of experiments at low temperatures using cryogenic equipment with optical access	Desirable	Application Form/ Interview
Experience of theoretical modelling of ultrafast dynamics of condensed matter	Desirable	Application Form/ Interview
Publication(s) in international peer-reviewed journals **(Grade 7)** Significant track record of high-quality publications	Essential	Application Form
Ability to work both individually and with a team, including students, other PDRAs, academics and collaborators **(Grade 7)** Ability to direct and manage their own research and that of others, within a specified project	Essential	Application form/ Interview
Willingness to travel to visit collaborators and to give presentations at national or international conferences	Essential	Interview
Experience in working with industrial partners **(Grade 7)** Track record of technology transfer and commercialisation activities	Desirable	Application Form/Interview
High standard of written and spoken English	Essential	Application Form/Interview
Excellent interpersonal and communication skills	Essential	Interview

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Evidence will be "scored" as part of the shortlisting process.
- **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.