RESEARCH STUDENTSHIP

All studentships are highly competitive, and you should ensure (and demonstrate) that there is a good match between your own qualifications and interests and those being sought for the particular studentship.

Research School where studentship will	DSI - SCPS
Studentship reference	FNS_GivENERGY
Web link to any further information (e.g. Research	https://www.keele.ac.uk/scps/physicsandastrophysics/ourresearch/ https://www.keele.ac.uk/digital-society-institute/
Research topic or field - title	Optimising home energy ecosystems with battery storage for a sustainable future
Research topic or field full description (or attached document).	Beside renewable energy generation with for example solar panels, home energy ecosystems can greatly benefit from storage capacity. This PhD project will investigate how battery storage can optimise home energy ecosystems by e.g. minimising electricity costs and carbon footprint. The project forms part of a collaboration between Keele University and GivEnergy (https://givenergy.co.uk/), thus offering the successful candidate valuable experience with industry and real-world data.
Expected start date	End of September 2025
Mode of attendance	Full-time
Funding support available – Fees, stipend, duration	100% home fees for 4 years. International applicants would be required to pay the difference between home fees (£5006 per annum) and International fees (currently £16042 per annum, fees for 2025/6 to be confirmed). Stipend for 4 years at UKRI rates. 25/26 stipend £20,780 per annum. Students are also provided with access to Faculty research training funds for research related expenses including - but not
Source of funding	GivEnergy company
Eligibility criteria	UK nationals, EU and International students are eligible to apply
Terms and conditions of studentship	As per the University Code of Practice
Number of studentships available	1

Application details	Please go to http://www.keele.ac.uk/pgresearch/studentships/ and click on the "Apply online here" button in this studentship. Please quote FNS-GivEnergy on your application.
Closing date for applications	30 June 2025
Contact for further information and to whom applications will be sent	Prof Raphael Hirschi, r.hirschi@keele.ac.uk

Candidate profile

	Essential	Desirable
Qualifications, Experience and Skills	Candidates must hold at least an upper-2nd class Bachelors degree or an appropriate Masters qualification in a physics related subject or its equivalent.	First class Bachelor or 2:1 Masters degree in a relevant discipline. Evidence of ability to undertake research work in renewable energy, data science (machine learning technique for time series) or related area.
Attitude and Personality	Effective communication (oral and written) skills, presentation and training skills Good interpersonal skills Ability to work independently and as part of a team on research programmes	Ability to attend conferences nationally and internationally Evidence of organizational and time management skills.

Keele University values diversity and is committed to ensuring equality of opportunity. In support of these commitments, Keele University particularly welcomes applications from women and from individuals of black and ethnic minority backgrounds for this post. More information is available on these web pages:

https://www.keele.ac.uk/equalitydiversity/

https://www.keele.ac.uk/athenaswan/

https://www.keele.ac.uk/raceequalitycharter/disabilityconfident/