

# Call for proposals for Faraday Institution / ISIS studentship

## Introduction

The Faraday Institution and ISIS Neutron & Muon Source are looking to fund a PhD studentship project that enables electrochemical energy storage research and develops the electrochemical energy storage capabilities at the ISIS Neutron and Muon source. The project may focus on any technique, software or sample environment development, but they must include facility development, and should be of wider use to the electrochemical energy storage field and neutron facility beyond the immediate PhD student project.

The Faraday Institution funds universities to recruit students to become part of the Faraday Institution PhD programme conducting research in electrochemical energy storage and related fields, with cohort intakes in 2018, 2019 and 2020. The ISIS Neutron & Muon Source co-funds PhD studentship projects, which focus on the development of ISIS facility capabilities.

Recognising the opportunity to recruit a PhD student to work in the energy storage research field, together with ISIS facility development, the Faraday Institution and ISIS Neutron and Muon Source will jointly fund **1 studentship in 2019**; eligibility for students is as for UKRI studentships. The Faraday Institution and ISIS offer an enhanced stipend for students, along with UK fees and a generous incidentals budget for travel, training and consumables. The full terms and conditions of Faraday Institution studentships, and training plan can be found on the Faraday Institution website <https://faraday.ac.uk/wp-content/uploads/2019/01/Faraday-Institution-training-grant-TC.pdf> and on the ISIS website here: <https://www.isis.stfc.ac.uk/Pages/ISIS-Facility-Development-Studentships.aspx>

## What will we provide

The Faraday Institution and the ISIS neutron and muon facility will provide 100% funding (50% from ISIS, 50% from the FI) for the studentship including any fees required by the host University. Salary is expected to be in line with 2018 figures: £20,000 annually. The student will need to be registered at the host university, and ISIS and the FI will make payments to the University to cover the stipend and fees. The FI and ISIS (STFC/UKRI) will set up an agreement with the host university which specifies a schedule for payments to the university to cover the studentship, together with other details of the working arrangements for the studentship.

In addition, up to £2000 per year per student for travel and consumables (to be claimed *by the student* against actual receipted expenditure) will also be available for research training expenses including the cost of travelling to and from the Rutherford Laboratory with a further £5000 available from the FI for consumables and travel related to the programme.

## Criteria

Studentships will be awarded to the best proposals received by the closing date. Proposals will be judged on the scientific quality of the proposal (40%), the facility development aspect of the project (40%) and the quality of the PhD training provided (20%) by an external panel of experts in the field. Experts who have a clear conflict of interest must excuse themselves from the selection process.

Proposals must be in the area of electrochemical energy storage and be aligned with the goals and research challenges of the Faraday Institution and of the ISIS neutron and muon source. An ISIS staff scientist must be a co-applicant and co-supervisor and play a full and equal role in the studentship project and supervision, including the interviewing of potential candidates.

The student must spend at least one year of their time at ISIS, in addition to normal short trips for experiments, during their PhD (in a schedule to be arranged by mutual agreement between the ISIS and university supervisor).

Proposals should be able to stand-alone such that the studentship can be completed regardless of the funding status of any existing project.

The process for evaluating proposals rests on a number of well-established principles:

- (i) Quality. Projects selected for funding must demonstrate a high scientific, technical and managerial quality and a strong ISIS development element.
- (ii) Training. Submitted proposals must identify the work to be undertaken by the student and show how the combination of the FI, ISIS and University resources provide a rewarding and beneficial experience for the student.
- (iii) Transparency. In order to provide a clear framework for researchers preparing proposals for funding and for evaluators evaluating proposals, the process of reaching those funding decisions will be clearly described and available.
- (iv) Equality of treatment. A fundamental principle is that all proposals will be treated alike, irrespective of where they originate or the identity of the proposers.
- (v) Impartiality. All proposals will be treated impartially on their merits.

Tenured academic staff interested in applying for a studentship from the Faraday Institution should complete the attached application form and submit it to the Head of Programme Management at the Faraday Institution ([programme.manager@faraday.ac.uk](mailto:programme.manager@faraday.ac.uk)) by the closing date, **15 February 2019**. Applications are limited to one per person.

Certain information (applicant and institution, general project description) may be made public by the FI and the ISIS neutron and muon facility for successful proposals.

#### Important Dates

	Date
<i>FI and ISIS Call for Studentships</i>	Opens 20 January 2019
	Closes 15 February 2019
<i>Panel Meeting</i>	Week of 19 February 2019
<i>Announcement of Results</i>	1 March 2019

## Proposal for a Faraday Institution ISIS PhD Studentship

University	
Co-Supervisor	
ISIS Supervisor	
Email	
Title	

Research challenge with which the proposal is associated, and additional justification for funding.

Project summary (max 300 words).

