Exciting Faraday Undergraduate Summer Experience (FUSE) paid internship opportunities for summer 2026.

Studying a STEM degree? Wondering what career to pursue? Interested in finding out more about the battery sector? Keen to spend time with a dynamic community of pioneering battery researchers seeking to find solutions to support a fully electric future?

The Faraday Institution is offering a total of 48 internships, for undergraduate students to spend 8-weeks working on battery related projects.

Project title: Creating artistic outreach installations to engage the public on the importance of recycling lithium-ion batteries

Project description:

In Europe, it has been estimated that there is more cobalt, nickel and lithium stored in unused domestic appliances than is currently in known mineral reserves. Simple statistics like this tell the important facts behind the importance of lithium-ion battery recycling. Often, attempts to make battery science more accessible focus on outreach resources aimed at schools/undergraduates. This project aims to change that by producing resources showing core battery science concepts, as well as more recycling focused challenges through permanent, mobile, artistic installations. This will include taking casings, current collectors, separators and active materials to make collages, sculptures, pigments and 3D printed models to explain the components, their scarcity and the complexity of their recycling in different eye-catching ways.

Initially, this project would involve training on battery architecture, electrode manufacturing and safe encapsulation to create the materials used in the installations and will also serve as an ideal basis for future postgraduate study. The aim of this project will be to produce high-quality pieces resources capable of showcasing the complexity of battery materials in an easily digestible way, with the prospect of exhibiting these resources to the general public at venues such as the Attenborough Arts Centre, as well as at the upcoming Faraday Battery Conference.

Internship Objectives

- Explore multiple techniques that could be used to show core scientific concepts in eye-catching ways.
- Manufacture and image real-world battery materials as a basis for the outputs that will be produced.
- Create resources capable of showcasing the complexity of battery materials in an easily digestible way.
- Contribute to an exhibition being created by our research group depicting our work in a format accessible to a non-scientific audience at the local Attenborough Arts Centre.

Supervisor: Dr Sean Scott

University: University of Leicester

Location: In-person – Centre for Sustainable Materials Processing, University of Leicester, UK

Start date: The internship is a full-time role for 8 weeks sometime between the 1st June 2026 and the 28th August 2026. Preferred dates can be discussed at the interview stage.

Eligibility:

- Be registered full-time undergraduate student from a UK university.
- Undertake the internship within the years of their undergraduate study (i.e., not in final year or during a subsequent Masters' programme).
- Not have been a FUSE intern in a previous year

Funding:
A salary of £13.45/ hour across the UK will be provided. The funding is provided by the Faraday Institution.

Additional activities:

During the FUSE internship you will be able to attend Faraday Institution cohort events which will focus on a variety of topics to further develop your understanding of career opportunities in battery sector. At the end of the programme, you will be invited to share a poster about your work and prizes will be awarded.

Application:

In order to apply for a Faraday Undergraduate Summer Experience (FUSE) 2026 internship, you need to complete this application by the 30th April 2026.

Shortlisted applicants will be invited to an interview using Microsoft Teams on the 7th/8th May 2026.

Please also complete this survey so we can keep you informed about future Faraday opportunities, including other FUSE internships that may need additional support with recruitment.

Diversity

The Faraday Institution is committed to creating a dynamic and diverse pool of talent for the fields of battery technology and energy storage.

University of Leicester EDI Statement:

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high-quality staff and students, and identify our university as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.