



Job Title: IODP Technician
Grade: 6
Salary: £31,396 to £36,024 per annum pro rata
Department: School of Geography, Geology and the Environment (SGGE)
Hours/Contract: Full time or job share, fixed term contract until 31 December 2025
Job Family: Research
Reference: 10476

Role Purpose

A Technician (Earth Scientist) is required to join an established team engaged in the acquisition and analysis of core petrophysical and borehole measurement data for the International Ocean Discovery Program (IODP) and other research drilling/coring programmes.

Main Duties and Responsibilities

- To support all expedition activities of the EPC group within the SGGE through provision of operational planning and participation in ocean research drilling and coring projects, including but not limited to the International Ocean Discovery Program as part of the ECORD Science Operator (ESO).
- To spend, on average, up to two months at sea per year on behalf of the ESO, primarily acquiring core physical properties data and Quality Assurance / Quality Control (QAQC) data and supporting downhole logging activities, as required. Additionally, carrying out complex quantitative and qualitative analysis to monitor performance and samples, interpreting results and making recommendations to optimise outcomes.
- To spend up to six weeks per year in Bremen, Germany on behalf of the ECORD Science Operator (ESO) and EPC during the onshore phases of IODP expeditions, planning expedition operations and running technical apparatus for the acquisition of petrophysical data. This role will require liaising with a team of physical properties technicians for the duration of the onshore phases.
- Primary responsibility for the operation and maintenance of the laboratory facilities and liaise with manufacturers and suppliers.
- To undertake additional travel as required (mobilisation/demobilisation, equipment visits, ESO meetings, etc.)
- To advise, train, and assist internal and external colleagues on the use of all physical properties' equipment utilised by the group and maintain the relevant technical documentation and standard operating procedures. To revise and implement operating procedures and measurement principles.
- To contribute to the work of EPC, Borehole Research and the School, by undertaking such other duties as may be reasonably assigned.





Internal and External Relationships

The University of Leicester, as the Lead Organisation for the European Petrophysics Consortium (EPC) operates in collaboration with EPC partners at the University of Montpellier, France, and the National Institute of Oceanography and Applied Geophysics (OGS), Italy.

The post holder will be expected to work closely with the EPC Team and with collaborators from the ECORD Science Operator (ESO -comprising the British Geological Survey, University of Bremen, and EPC) and the International Ocean Drilling Programme (IODP³).

Planning and Organising

The awardee will be required to prepare their own work activity schedules to ensure they deliver on the priorities of the project. During expedition phases (off- and onshore) the post will require shift and weekend working over extended periods of time.

Qualifications, Knowledge and Experience

Essential

- An undergraduate degree in Earth science or a related discipline. *
- Technical background/experience in one of the following areas: marine geology, geophysics, or petrophysics. *
- Knowledge and clear experience of learning new software. The group mainly works on PC systems using industry-standard programmes including Techlog and WellCAD. The postholder must become conversant in the proficient use of these packages and others as required for projects. *
- Ability to take on new technical challenges under pressure.

Desirable

- Hands-on experience with a range of scientific equipment. *
- An understanding of petrophysics, physical properties analysis and downhole logging. *
- Demonstratable ability to perform numerical analysis in appropriate software (e.g., proficiency in Excel, knowledge of Matlab or similar, or UNIX).
- A well-developed understanding of Health and Safety regulations and procedures including radiation safety.
- Experience of working in challenging environments.
- A full, clean driving licence. *

Skills, Abilities and Competencies

Essential

- Excellent command of computers and common software packages. *





- Excellent written and verbal communication skills. *
- Commitment to participating in IODP and other projects including spending time at sea and in partner facilities in the UK and abroad. *
- High level of proficiency in English, sufficient to undertake research, educational, and administrative activities utilising English Language materials and to communicate effectively with staff and students.
- Excellent technical skills, with an ability to identify and solve problems.
- Excellent organisational skills.
- Excellent interpersonal skills.
- Ability to work both independently and as part of a diverse international team.
- Ability to take the initiative and be a self-starter.

****Criteria to be used in shortlisting candidates for interview***

Reason for Fixed Term Contract

The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.

Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

Supporting University Activities

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

University Values

Inclusive - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

Inspiring - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

Impactful - As Citizens of Change we will generate new ideas which deliver impact and empower our community

Equity and Diversity

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 equity 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 equity, diversity and inclusion.

