

VACANCY

The Institut Laue-Langevin (ILL), situated in Grenoble, France, and founded by France, Germany and the United Kingdom, is Europe's leading research facility for fundamental research using neutrons. The ILL operates the brightest neutron source in the world, reliably delivering intense neutron beams to 40 unique scientific instruments. Every year the Institute hosts over 2000 visits by scientists, who come to carry out world-class research in solid-state physics, crystallography, soft matter, biology, chemistry and fundamental physics. The Projects and Techniques Division, which is responsible for the development of the ILL's instruments and for technical support, currently has a vacancy in its Neutron Optics Service for an:

Instrument Technician (M/F)

Duties:

You will join the Monochromators Group, a five-person team responsible for the production of crystals for the Institute's neutron monochromators.

You will be in charge of an instrument dedicated to the characterisation of single crystals.

You will be responsible for:

- characterising and testing crystals
- maintaining and keeping the instrument in good working order
- mounting and aligning crystals on the mechanical assemblies of the monochromators
- monitoring the measurements taken during the neutron cycles.

You will also carry out the maintenance of the Institute's existing monochromators and will participate in projects for the development of new optical devices for neutron beams.

You will report directly to the engineer/scientist in charge of the service.

Qualifications and experience:

- NVQ Level 4 or equivalent qualification (e.g. BTEC HND) in a technical field (such as mechanical engineering and computer-integrated manufacturing, optical engineering, instrumentation, etc.)
- You have good manual skills and are capable of designing and producing mechanical assemblies with varying degrees of complexity
- You have a basic knowledge of conventional machining
- You are able to use your ingenuity and creativity to satisfy the unique and changing needs of our scientists
- A sound knowledge of SolidWorks would also be an asset.

Language skills:

As an international research centre, we are particularly keen to ensure that we also attract applicants from outside France. You must have a sound knowledge of English and be willing to learn French (a language course will be paid for by the ILL). Knowledge of German would be an advantage.

Benefits:

Generous company benefits (expatriation allowance), relocation assistance and language courses may be offered (for more information, please consult our [employment conditions](#)).

Notes:

This post is a permanent position.

Medical fitness for work under ionising radiation is required.

How to apply:

Please submit your application on line, no later than **30/09/2018**, via our website: www.ill.eu/careers (vacancy reference: **18/40**).

We are committed to equal opportunity and diversity; we therefore encourage anyone with relevant qualifications to apply.