The ILL is a fundamental research institute founded and financed by France, Germany and the United Kingdom. It is Europe's leading centre for research using neutrons and operates the brightest neutron source in the world, reliably delivering intense neutron beams to 40 unique scientific instruments. The Institute receives over 2000 visits a year from scientists requiring its facilities to carry out world-class research in areas as varied as solid-state physics, crystallography, soft matter, biology, chemistry and fundamental physics. The Project and Techniques Division, which is responsible for the development of the ILL’s scientific instruments and for technical support, currently has a vacancy in its Neutron Optics Service for an:

**Instrument Technician**

**Duties:**
You will join the Monochromator Group, a five-person team responsible for the production of crystals for the Institute's neutron monochromators. You will be responsible for a neutron diffractometer devoted to the characterisation of single crystals. Your main duties will include:

- the preparation and characterisation of mosaic crystals for neutron monochromators;
- ensuring the maintenance and proper working order of the diffractometer;
- mounting and aligning crystals on the mechanical assemblies of the monochromators;
- ensuring compliance with the safety regulations in force at the Institute.

You will also carry out the maintenance of the ILL's monochromators and assist in the projects to develop new optical devices for the neutron beams.

**Qualifications and experience:**

- Level 4 qualification (NVQ, BTEC HND or equivalent) in applied physics or materials engineering.

- You are particularly interested in the science of materials and the characterization of their properties.
- You are able to work independently, with a methodical and meticulous approach to your work and a keen eye for detail.
- Good teamwork skills are essential to be able to report on and share the results of your work.
- You are able to use your ingenuity and creativity to satisfy unique and changing demands.
- A basic knowledge of mechanical engineering (conventional machining) and proficiency in 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.

**Notes:**
This post is a permanent position.
**Medical fitness for work under ionising radiation is required.**

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

**How to apply:**
Please submit your application on line, no later than **08/03/2020**, via our website: [www.ill.eu/careers](http://www.ill.eu/careers) (vacancy reference: **20/08**).

Werbungsschluss: **08/03/2020** Kennziffer: **20/08**

Wir glauben an Chancengleichheit und Vielfalt, die Stelle ist allen qualifizierten Bewerbern und Bewerberinnen gleichermaßen zugänglich.

Weitere Informationen finden Sie auf [www.ill.eu](http://www.ill.eu)