

EXPANDING THE BOUNDARIES OF MODERN SCIENCE



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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. The Institute welcomes 2000 visiting scientists every year 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 for a:

Mechanical Engineering Design Officer (F/M)

Duties:

Reporting to the head of the Design Office of the Mechanical Service of the Experimental Halls, you will be responsible for the mechanical design of ILL instruments, equipment and infrastructure.

You will have the following responsibilities:

- Pre-project and project design studies for the development of new instruments, equipment and infrastructure, including the definition of input data
- Design of mechanical assemblies: initial design, development of technical solutions, sizing, conceptual and detailed design studies, production and verification of manufacturing drawings
- Drafting of design and manufacturing specifications, coordination of outsourced design work and manufacturing operations, involvement in assembly and test phases in liaison with the relevant ILL services
- Performance of finite-element preliminary calculations.

Qualifications and experience:

You have an NVQ Level 4 or equivalent qualification (e.g. BTEC HND or bachelor's degree) in mechanical engineering and 10 to 15 years' experience of mechanical design work in a design office environment.

You have some knowledge of the design of large vacuum chambers (tens of m³), as well as of scientific instrumentation and precision engineering (from 0.1 mm to 0.01 mm).

You have a passion for technical challenges, a methodological approach to your work and a sense of teamwork. You are familiar with the use of mechanical design software (SolidWorks or equivalent) and finite element analysis software (SolidWorks Simulation Professional or equivalent).

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:

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NEUTRONS
FOR SOCIETY

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This is a permanent position.

The successful applicant may be required to work in radiation-controlled areas.

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 (**with CV + covering letter in PDF format**), no later than **12.05.2019**, via our website: <http://www.ill.eu/careers> (vacancy reference: **19/21**).

closing date for submissions: **12/05/2019** Ref. #: **19/21**

We care about Equal Opportunity and Diversity; therefore we encourage both men and women with relevant qualifications to apply.

Further information on www.ill.eu

