

VACANCY

The Institut Laue-Langevin (ILL), situated in Grenoble, France, is Europe's leading research facility for scientific research using neutrons. We welcome over 2000 visits of scientists per year to carry out world-class research.

Are you interested in joining our international institute?

We currently have a vacancy for a:

Research Engineer in Materials Science M/F

Duties:

SALSA is an instrument dedicated to non-destructive strain measurements within small and large objects. This instrument is accessible to the scientific community as well as industry related studies. The latter account for about 40% of the time available for this instrument. In the objective of offering a better service to industrial users (through the [SINE2020 project](#)), the ILL would like to establish links between its in-house software for strain measurements and “engineering” multi-physics software (e.g. Comsol, AnSys).

The aim for the research engineer is to generate a software that can be easily customized and supplied to each particular - industrial or academic- user for the complete data processing (from detector signal up to stress values). Therefore the initial list of tasks are:

- Design appropriate algorithm for strain and stress analysis based on theoretical background.
- Implementation of strain data treatment and validation of the algorithm with experimental data.
- A parallel task is to establish a link with companies that build multi-physics software in order to draw specifications and requirements related to the addition of neutron stress measurements in their product.

Qualifications and experience:

- Master's degree in Materials Science with strong computing skills
- The understanding of neutron interactions is essential for the position, knowledge in neutron instrumentation is strongly asked,
- Programming in Python, deep knowledge of Mantid.

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 fixed-term contract of 7 months.

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 with a list of publications and the **names of 3 references, including one from your present work place**, no later than **26.08.2018**, via our website:

www.ill.eu/careers (Vacancy reference: **18/35**).

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