

Vacancy

SALSA is the ILL's stress imager dedicated to the determination of mechanical stresses in a broad range of applications in terms of components and materials. It is designed for diffraction measurements on "real" engineering components and optimized for stress determination in metallic materials.

Instrument Scientist SALSA

Yours Tasks

Working within the Diffraction Group, you will act as Co-responsible for the strain-imaging diffractometer SALSA. In addition to carrying out your own active research programme, you will be in charge of:

- Co-developing SALSA as well as acting as Local Contact.
- Managing the instrument, participating both in the day-to-day running and its technical development.
- Providing support to users for scientific experiments and helping them collect data under optimum conditions.
- Promoting scientific partnerships in your field of research.
- Participating in the longer term development of sample environment and data analysis.
- Working within the Diffraction team (Instrument Scientists, Scientific Collaborators, Engineers, Software Developers) and with scientists and other ILL staff members to develop a strong scientific programme using SALSA.

Qualifications / Experience:

- You have PhD in physics, materials science or chemistry (or equivalent) with an applied or industrial background.
- Strong scientific background and expert knowledge of diffraction methods.
- Some crystallographic background and interest that drives you to use powder diffraction or single crystal methods to investigate crystal structure and microstructure and phase composition and to follow phase transitions in in situ experiments.
- Scientific and technical interests ranging from strain imaging to mechanical engineering.
- Excellent interpersonal skills to collaborate easily with different communities, such as fundamental scientists on the one hand and industrial customers on the other.
- This post represents an excellent opportunity for a scientist to develop his/her expertise, broaden his/her experience and interact with leading scientists from around the world. Applications from more experienced scientists on secondment would also be welcomed.

We offer:

- ✓ **Quality of life** A hub for research and technology, the city of Grenoble is ideally located in the heart of the French Alps (just 3 hours from Paris/Provence by train, 1 hour from Lyon international airport and 1 ½ hours from Geneva). It is important for us that our staff achieve a healthy work-life balance. We therefore offer home working (under certain conditions), generous annual paid leave entitlement and a host of other benefits that you will discover when you arrive!
- ✓ **Prospects** We guarantee you 5-year fixed-term scientist position in a multicultural scientific environment
- ✓ **Benefits** - We offer generous social benefits (expatriation allowance, excellent health cover), moving and relocation assistance (under certain conditions) and an annual productivity bonus. We also offer language courses for you and your partner and subsidies for the use of public transport and the staff canteen, as well as for holidays and a variety of cultural and sports activities.

How to apply:

**Please submit your application on line no later 14/05/2023,
via our website :**

www.ill.eu/careers

(vacancy reference : 23/16).

Con copia de la candidatura a:
eures.franciasuizabenelux@sepe.es

Indicando la referencia ILL 23/16

Ayudas a la movilidad EURES

