



French-German Research Institute of Saint-Louis

The **French-German Research Institute of Saint-Louis (ISL)** situated in the border triangle of Germany, France and Switzerland is an internationally renowned research institute belonging to a global industrial and economic network. The spectrum of our core activities comprises a variety of topics: aerodynamics, energetic and advanced materials, lasers and electromagnetic technologies, protection, security and situational awareness. Our activities are related to both basic and applied research.

www.isl.eu

For immediate placement, we are currently looking for a

Research Scientist in the relation between microstructure and reactive behaviour of explosives (m/f/d)

in our scientific Group PCD (Shock wave physics and Detonics).

Your new tasks and responsibilities – challenging and future-oriented

- ◆ Develop experimental and numerical approaches to study the relation between microstructure and reactive behaviour of energetic materials and formulations
- ◆ Use advanced techniques for the characterisation of microstructural defects, particularly X-ray microtomography and associated image-processing methods
- ◆ Use and develop specific data treatment and quantitative analysis methodologies and tools
- ◆ Take part in collaborative scientific projects with industrial and official partners, as well as in experimental campaigns
- ◆ Disseminate the scientific results with publications and presentations at international conferences

Your qualifications – solid and appropriate

- ◆ PhD in the field of physics, mechanics, material science, scientific imaging or in an equivalent field
- ◆ Deep knowledge of image processing, microstructural characterization or methods of quantitative analysis
- ◆ Work experience in X-ray microtomography would be an asset
- ◆ Ability to work autonomously as well as in a team in a pluridisciplinary research environment
- ◆ Strong communication and organisation skills
- ◆ Good command of English
- ◆ A good command of French and/or German would be an asset

Our offer

- ◆ A highly motivated team with a culture of knowledge-sharing in an international and pluridisciplinary environment
- ◆ A top-tier Franco-German research Institute in the heart of Europe
- ◆ An attractive salary
- ◆ Flexible working conditions
- ◆ Company restaurant
- ◆ Numerous training opportunities
- ◆ Sports activities on site

We propose to employ you on a fixed-term contract for five years with possibility of renewal, or of permanent contract.

If this challenging description fits your profile, we are looking forward to receiving your complete application documents (cover letter, resume in tabular form, school-leaving certificate, degree certificate, job references, evaluations and any other relevant certificates) mentioning the keyword: “PCD-S”.

French-German Research Institute of Saint-Louis
5 rue du Général Cassagnou
BP 70034
68301 SAINT LOUIS CEDEX, France
Phone: +33 (0)3 89 69 51 31
humanresources@isl.eu

If you do not receive a reply from the ISL within six weeks of submitting your application, you should assume that your application has not been successful.