

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 Engineer (m/f/d) in the field of laser-matter interaction, thermal engineering

Your new tasks and responsibilities – challenging and future-oriented

- Scientific engineering in the field of the vulnerability of materials and functional subsystems to laser effects
- Experimental study of the effects of laser radiation on materials, subsystems, and electro-optical components
- Experimental thermal engineering and metrology
- Development of methodologies and techniques for laser radiation characterisation
- Development of laboratory software
- Radiometry
- Development of new methods based on infrared sensors to measure the surface temperature of non-black bodies
- Contribution to scientific publications and conference presentations
- Preparation of research reports and reports related to research contracts
- Preparation of technical specification documents
- Technology watch
- Presentation and promotion of the completed research engineering work
- Supervision of technical staff

Your qualifications – solid and appropriate

- Engineering or Master's degree in Applied Physics with a specialisation in thermal engineering
- Solid knowledge of thermal engineering and photonics
- Strong command of experimental techniques
- Excellent programming skills in Python and development experience in C/C++
- Ability to work autonomously as well as in a team in a pluridisciplinary research environment
- Strong communication and organisational 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 an 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 three 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 **"RIM-I".**

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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.

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