



ISL 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

Engineer in mechatronics for laser sources development (all genders)

Your new tasks and responsibilities - challenging and future-oriented

- ◆ Developing, steering and automating optical benches into LabView or Python
- ◆ Validating their functioning during experiments
- ◆ Conducting experiments with the developed laser test benches
- ◆ Acquiring, implementing, developing and ensuring the maintenance of tools and devices essential to the experimental needs. analysing results by means of appropriate software
- ◆ Implementing sensors, ensuring the controlling and signal processing
- ◆ Developing simple steering and control electronics
- ◆ Carrying out optomechanical design for optical, optronic and laser needs, notably for optical fibres and fibre lasers
- ◆ Analysing, validating and tracking results
- ◆ Writing test reports, describing the optical benches, drafting user manuals when working on the bench automation
- ◆ Supervising interns

Your qualifications – solid and appropriate

- ◆ You hold an engineer's degree or Master with a specialisation in mechatronics or optics
- ◆ You have knowledge in the following areas:
 - Python and/or LabView programming
 - Optics
 - Sensors, controlling and signal processing
 - Steering and control electronics
 - Mechanical design
- ◆ Good communication skills: You like to work in a team, take initiatives, you are a good organiser adapting easily to new situations
- ◆ Very good command of English. A good command of French or German would be an advantage

Our offer

- ◆ Fixed-term contract of 3 years, possibility of conversion to permanent contract
- ◆ Attractive remuneration, flexible working time and balanced working-private life
- ◆ Various possibilities of advanced training
- ◆ An international and modern working environment with about 400 colleagues
- ◆ Career development opportunities
- ◆ The position is open to people with disabilities

If this challenging description fits your profile, we are looking forward to receiving your complete application (letter of motivation, curriculum vitae in tabular form, school certificates, university degrees with detailed examinations, work references and other relevant documents), mentioning the following keyword: "DPA-I"

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