



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 embedded systems programming and artificial intelligence (m/f)

Your new tasks and responsibilities – challenging and future-oriented

- ◆ Advanced programming in C, C++, Python for the adaptation and development of algorithms at the component level. These embedded algorithms are meant for the perception of the environment: detection and identification of events (artificial intelligence, Deep learning)
- ◆ Algorithm programming on FPGA type components as well as SoC and MPSoC processors
- ◆ Embedded programming and knowledge of (R)OS and OS (LINUX included) for the development of field prototypes would be appreciated
- ◆ Involvement in acquiring third party contracts

Your qualifications – solid and appropriate

- ◆ Degree from a selective engineering school certified rank 2 or 3 of the CTI (Engineer Title Commission), general engineer with a focus on AI (artificial intelligence), embedded signal and image processing

Knowledge and experience on the following fields would be appreciated

- ◆ Valid experience in the field of embedded programming and software/hardware management
- ◆ Experience in Deep learning would be appreciated
- ◆ Perfect command of integrated development environment of Xilinx type FPGAs is mandatory
- ◆ Competence in the programming languages C, C++ and in the operating system LINUX
- ◆ Knowledge in FPGA, SoC and MPSoC programming

Other skills

- ◆ Good knowledge of English
- ◆ Organisational skills, ability to work effectively as a part of a team, communication skills

We propose to employ you on a fixed-term contract for three years with possibility of renewal. We offer attractive remuneration, flexible work arrangements and many opportunities for vocational training und further development.

If this challenging description fits your profile, we are looking forward to receiving your complete application, mentioning the following keyword: "ELSI-I".

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