



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 specialized in system simulation - guidance and control (m/f/d)

Your new tasks and responsibilities - challenging and future-oriented

- ◆ You assist scientists in charge of guidance and control studies in the development of algorithms
- ◆ You follow up tasks concerning the aerodynamic behaviour of novel actuators
- ◆ You monitor the works on the implementation of navigation algorithms in embedded processors in order to carry out laboratory and free-flight demonstrations
- ◆ You implement algorithms for guidance and control in simulations of guided projectiles trajectories by testing all pertinent parameters: shooting conditions, sensor failure, starting momentum of the guided phase, flight scenario, guidance laws, projectile design, steering principles, use of reference points, etc.
- ◆ You participate in the development of a complete simulator (with guidance, command, actuators and navigation) in close cooperation with the guidance/command system simulation engineer and in common understanding with all scientists of the research group
- ◆ You contribute to the writing of reports and publications, you offer support to trainees

Your qualifications – solid and appropriate

- ◆ Engineering degree or University master's degree in aeronautics, with a specialisation in aeronautic automatics/signal processing and/or flight mechanics
- ◆ Knowledge in the following areas is required:
 - Flight mechanics and aerodynamics
 - Guidance and control algorithms
 - Automatics/signal processing
- ◆ Perfect knowledge of Matlab/Simulink
- ◆ Good communication skills. You like to work in a team and to take initiatives. You are an effective organiser, easily adapting to new situations
- ◆ Very good command of English

Our offer

- ◆ Fixed-term contract of 5 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: "GNC-I".

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