

## Industry 4.0 research engineer (1 year fixed-term contract)

### **Application Context**

The proposed recruitment is part of Centrale Lille's FEDER SMART FACTORY project. This project aims to set up an agile platform meeting the requirements of Industry 4.0 in terms of digitization, and on the other hand to use Smart Data and artificial intelligence for its management. This project is particularly interested in the implementation of new control methods for cyber-physical production systems.

### **Scientific and operational objectives**

Within this overall framework, several scientific and operational results are expected:

- Design and implementation of an agile Smart Factory meeting Industry 4.0 standards, which until now has remained at the theoretical stage. Development of real-time management solutions and warehouse management tools for setting up an agile factory - Integration and communication of cyber-physical systems (sensors, Cobot, AIV and UAV fleets, etc.) - Proposition of new algorithms for the collaborative control of cyber physical systems.

### **Main missions**

The candidate must fit into the existing research team, take ownership of the existing Smart Factory and get involved in, at least, one of the activities listed above.

### **Profile of the candidate**

PhD or Master degree, you have a first experience in one of the fields listed above. Dynamic and rigorous, with good communication skills and ability to work as part of a team.

### **General informations**

- Place of work: CRISTAL Laboratory / Centrale Lille.
- Type of contract: Contract engineer - 1 year.
- Duration of the contract: 12 months.
- Expected hire date: December 2021.
- Gross annual remuneration: between 45k € and 50k €

### **Documents to send:**

- A resume
- A cover letter.

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Deadline for receipt of applications: **November 22, 2021.**