

## **Position**

Electromagnetic engineer

### **Title**

Electromagnetic engineer

### **Minimum requirements**

Master's degree in Electrical, electronic, mechatronic, information, or energy engineering

### **Competence group**

Electric and magnetic fields engineering

### **Scope of the group's expertise**

High-voltage engineering; study and measurement of electromagnetic fields

### **Duties and responsibilities**

- Develop and use numerical and analytical tools for electromagnetic analysis to design and optimize components and systems;
- Define specifications for experimental EM components and systems and oversee their design;
- Contribute to the follow-up of the supply of experimental EM components and systems;
- Implement quality and engineering management processes;
- Produce and update technical documentation required for project management support;
- Produce and update scientific reports, including participation in meetings and international conferences;
- Participate in experimental sessions, including shift work.

### **Preferred requirements**

- Experience in electromechanical and/or mechatronic engineering projects, or in high-precision, high-technology systems engineering;
- Knowledge of ANSYS, COMSOL, or equivalent software, particularly for electrical and magnetic analysis of complex components;
- Knowledge of vacuum technologies;
- Knowledge of Project management processes, particularly for managing scope, cost, time, and risks;
- PhD in Industrial, Mechatronic, or Information engineering

### **Contract type**

Fixed-term position: 2-year contract, renewable