

Centrale Nantes is a leading engineering school that graduates engineers, masters students and doctoral candidates from academic programs based on the most up-to-date developments in science and technology and the best practices in management.

As a member of the Écoles Centrales Group (Lille, Lyon, Marseille, Nantes and Paris), our school provides high-quality teaching for highly selected students.

This position is attached to the Civil and Mechanical Engineering Research Institute (GeM).

### Job description:

As part of a team of 20 people, you will interact with all of them.

Your responsibilities will include

- Develop and implement monitoring tools
- Control processes for mechanical manufacturing applications (additive manufacturing WAAM, LMD, SLM, machining and finishing, etc.) and biofabrication applications developed in the laboratory.
- Set up mechatronic demonstrators, collect and analyze multiphysics data on laboratory equipment (machines and robotized cells).
- Set up sensors and measuring instruments.
- Program in-process corrective actions
- Implement industrial IT: connect and synchronize sensors, implement methodologies for correcting parameters during the process.
- Design and build sensor and measuring instrument assemblies
- Develop interfaces to visualize and plot data.

### Profile required:

#### Skills:

- Fluent English (professional level A2, A1)
- Prototyping of mechatronic solutions
- Digital development for monitoring
- Sensor selection and design
- Data analysis

#### Required qualities:

- Good interpersonal skills
- Teamwork skills
- Ability to adapt

**Level required:** Bac +5 (IGE)/Bac+8 (IGR), Engineering degree, Master 2.

Professional experience of more than 3 years is essential.

## Conditions of employment:

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| <ul style="list-style-type: none"><li>- 12-month fixed-term contract - open to contract and permanent employees</li><li>- Full-time position - based in Nantes</li><li>- Flexible working hours</li><li>- Flexible work cycles (possibility of working 4.5 days)</li><li>- RTT + additional vacations</li><li>- Telecommuting possible</li><li>- Teleworking allowance</li><li>- Free parking</li><li>- 75% transport reimbursement</li><li>- Sustainable mobility bonus (if cycling or car-pooling)</li></ul> | <p><u>Remuneration:</u> in line with the French civil service pay scale</p> <p><u>Position to be filled:</u> As soon as possible</p> |
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**HR contact:** Guéno­lée COTTINEAU

**Manager contact:** Matthieu RAUCH

To apply : please send your CV and covering letter to: [candidatures@ec-nantes.fr](mailto:candidatures@ec-nantes.fr)

*This advert refers to the terms 'candidate', 'engineer', 'manager', etc. These designations are to be considered beyond gender, and are to be taken as feminine as well as masculine.*

**Centrale Nantes is committed to equality and diversity.** In line with our [CSR commitments](#), this job is open to all.