

Sr. Inertial Sensor Characterization Engineer



Based in Grenoble (FR) and Milan (IT), **iNGage** is a start-up company which is bringing to market **disruptive** high-performance **MEMS inertial sensors** (accelerometers, gyros, IMUs) and **pressure sensors** for GPS-free navigation in **autonomous mobilities**.

With a patented **breakthrough technology** developed at CEA-Leti in partnership with PoliMi, we push the limits of **high-performance MEMS navigation sensors** to make them accessible to high-volume applications such as industrial robotics and automotive.

Responsibilities

As a **Senior Inertial Sensor Characterization Engineer**, you have a strong background in inertial sensors, electronics and measurement systems. You will play a key role in the implementation of our characterization activities and the validation of inertial sensors. Your responsibilities will include:

- **Develop and implement electronic boards** for the characterization of innovative MEMS, ASICs, and inertial sensors.
- **Define the test, characterization, and calibration** protocol of the sensors.
- Carry out test and qualification campaigns and analyze the results.
- Participate in the **installation and maintenance of new test equipment** in our laboratory in Grenoble (electronic measuring instruments, shakers, rate tables, etc.).

Key skills

- Proven experience in testing, characterization of sensors, with strong knowledge of **inertial sensors, electronics, instrumentation and data analysis**.
- Hands-on development of characterization benches, from PCB design (e.g. Altium) to automated test scripting (e.g. Python, MATLAB, or similar).
- Ability to integrate **microcontroller or FPGAs** on board is highly valued.
- Knowledge of calibration algorithms and sensor performance optimization is a plus.
- Understanding of ASIC design and debugging is an advantage.
- **Proactive, solution-driven mindset** with strong collaboration skills in fast-paced, multidisciplinary environments.

Why Join Us

- Be part of an **ambitious sensor startup** with cutting-edge technology
- Work on major tech challenges with **high industrial impact**
- Thrive in a high level **international** dynamic R&D environment

Test
Instrumentation
Sensors
Inertial

Job position

Permanent position (CDI)

Start : June 2026

Grenoble (FR)



Candidate's profile

- ▶ **MSc in instrumentation and/or physics or electronics**
- ▶ **Min. 10 years** experience in test or characterization
- ▶ **Fluent in French and English; Italian is a plus**



Ready to push the limits of MEMS navigation sensors?

Send your application to

jobs@ingage-mems.com