

**PhD and Postdoc positions
in the Atom Interferometry and Inertial Sensors team
SYRTE, Paris**

Our Atom Interferometry and Inertial Sensors team at SYRTE is a pioneer in the development of quantum sensors based on atom interferometry. We have realized the demonstration of the first cold atom gyroscope, and have been the first team to participate to international comparisons of absolute gravimeters, with our cold atom gravimeter, and to demonstrate operation without dead times of this type of sensors. We have established records in performances, both in terms of stability and accuracy, in gyroscopy, gravimetry and in frequency and force measurements with trapped atom sensors.

We are looking for PhD students and postdoctoral fellows on different positions funded by the French Quantum Plan and other national and international research projects. Details on these positions, as well as associated contact names, can be found at <https://syрте.obspm.fr/spip/science/iaci/theses-post-docs-ita/>

PhD positions:

- PhD position on Quantum Control for Atom Interferometry
- PhD position on an Ultracold Quantum Gravimeter
- PhD position on Modeling Quantum Sensors for Space Geodesy
- PhD position on the Development of a two-axis cold-atom gyroscope for rotational seismology
- PhD position on Advanced modelling tools for assessing the ultimate performances of atomic interferometers

Postdoctoral positions:

- Postdoctoral position on an Ultracold Quantum Gradiometer
- Postdoctoral position on an Ultrasensitive Bragg Atom Gradiometer
- Postdoctoral position on Delta Kick Squeezing for Atom Interferometry
- 2 Postdoctoral positions on Quantum Enhanced Enabling Technologies for Multifunction Guided Atom Interferometers on Atom Chips

For general information on the team, the lab, the institute or the research environment, please contact Franck Pereira dos Santos, Team leader, franck.pereira@obspm.fr