

Junior R&D Engineer/Physicist for MRAM Development

Location	Salary	Planned Start Date	Type of contract
Grenoble, France	According to profile	As soon as possible	CDI (permanent position) Full-time

Company

Antaios is a start-up company that develops a disruptive memory technology. Antaios will offer memory solutions to semiconductor foundries and Integrated Devices Manufacturers, from core technology up to qualified turn-key memory blocks. Antaios memories rely on the newly discovered Spin-Orbit Torque (SOT) phenomenon. Although innovative in its underlying principles, SOT memories rely on similar core technologies (materials, processes) as the currently developed STT MRAM.

To accelerate its development, Antaios is looking for an MRAM engineer. Your primary function will be to contribute to the characterization of MRAM bitcells and memories. You will develop, monitor, and operate scripts to control automated testing equipment. You will collect and analyze data to enable engineering decisions, investigate test outcomes thoroughly and report your findings. You will propose new test plans and implement them. You will be in charge of the quality of the collected data and the conclusions that derive from them.

Missions

Within a team of engineers and under the direct supervision of the R&D manager, you will ensure the following tasks:

- Perform devices electrical characterization.
- Collect, analyze data and draw the conclusions
- Plan the next cycles-of-learning to improve the device performances
- Develop test/data analysis scripts & softwares and maintain existing ones.
- Develop and improve the test setups.
- Log data and create clear presentations and reports.

Profile

You have *a minima* a masters/engineering degree with a strong background in physics and/or electronics.

An experience in MRAM development or in magnetism is a plus.

You have good analytical skills, and you can consolidate and report your conclusions.

You are creative and able to propose innovative solutions/ideas.

You are thorough, organized, and proactive. You are versatile and able to address the different aspect of this job.

You can work autonomously but as a team player.

You can communicate fluently in English. French speaking would be appreciable.

How to apply

Please send your 1-page resume and motivation letter by e-mail to Marc Drouard (contact@antaios.fr)