

Senior Scientist, Thin Film Devices

Job Description:

Well funded start-up company with advanced non-volatile (spin-transfer torque) STT-RAM technology seeking magnetic thin film scientist for innovative magnetic material and device development.

Responsibilities:

- Explore new materials and innovative magnetic tunnel junction structures for next-generation STT-RAM.
- Design and build bit-cell structures consisting of magnetic and insulating ultra-thin film materials deposited by PVD techniques.
- Develop thin-film processes and deep sub-micron patterning of bit cells.
- Design and run experiments exploring the magneto-electronic characteristics of patterned devices.
- Feedback results and analysis to circuit design team.

Required Skills:

- Strong materials science and physics device knowledge and experience.
- Hands-on experience with PVD systems and nanostructured materials development.
- Laboratory experience characterizing magnetic and/or electronic transport of devices.
- Experience with electron-beam and basic patterning techniques preferred.
- Knowledge in MRAM devices and concepts a plus.
- Creative and analytical thinker.
- Self-motivated, good teamwork skills, ability to multi-task, work and communicate effectively in fast paced environment.

Required Experience:

Extensive experience (> 5 years) of magnetic thin-film material and device development in the magnetic storage or semiconductor industry is preferred.

Required Education:

Ph.D. in Material Science, Physics, Applied Physics or Electrical Engineering.

Compensation:

We offer a very competitive compensation package that includes a stock option plan and a patent bonus program. Employees also receive medical, dental, vision and life insurance fully paid by the company, as well as a 401K plan. This position is located in Milpitas (Silicon Valley), California.