

Scientist, Micromagnetic modeling

Job Description:

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

Responsibilities:

- Perform micromagnetic modeling of spin transfer switching and related phenomena.
- Explore new materials and innovative magnetic tunnel junction structures for next-generation STT-RAM.
- Improve existing and design new micromagnetic, analytical, spin-transport, and finite-element modeling tools.
- Perform occasional statistical data analysis.

Required Skills:

- Strong background in magnetic theory, numerical methods, mathematics, statistical physics
- Hands-on experience with micromagnetic and finite-element simulations
- Experience in first-principle or spin-transport modeling is desired
- Experience with JMP, Mathematica, MATLAB, Origin is a plus
- Knowledge in MRAM devices and spin transfer torque is preferred.
- 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 micromagnetic modeling is preferred.

Required Education:

Ph.D. in 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.