

## **Spin-torque Device Engineer/Scientist**

### **Job Description:**

We have a position available in the testing and modeling group at Grandis for a scientist/engineer to help develop spin-transfer torque memory (STT-MRAM) technology.

### **Responsibilities:**

- Perform magneto-transport and spin-torque measurements.
- Setup and modify equipment for STT-MRAM testing.
- Analyze data using statistical packages.
- Develop new experimental techniques for characterizing devices.
- Design improvement of the STT-MRAM cell based on experimental results.
- Contribute to IP portfolio in the STT-MRAM field.
- Interface with international colleagues in STT-MRAM development.

### **Desired Skills:**

- Ability to work independently in setting up and conducting experiments.
- Solid understanding of magnetism and magnetic materials.
- Familiarity with common magnetic and magneto-transport measurements.
- Experience with common lab equipment including oscilloscopes, waveform generators, network analyzers.
- Basic understanding of electronics.
- Ability to write programs for controlling lab equipment and data analysis.
- Self-motivated, good teamwork and communication skills, ability to multi-task and work effectively and independently in fast-paced environment.

### **Desired Experience:**

- Ph.D. in experimental physics or related field
- Postdoctoral experience is a plus.
- Experience with programming in Labview is desirable.
- Understanding of relational databases.
- Understanding of statistical analysis.

### **Required Education:**

Ph.D. in Physics or related field.

### **Compensation:**

We offer a very competitive compensation package. Employees also receive medical, dental, vision and life insurance, as well as a 401K plan. This position is located in Milpitas (Silicon Valley), California.