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## **Magnetic Device Scientist/Engineer for Spin-Torque MRAM Development**

**Two positions: Singapore and Chandler, AZ**

**Posted May 15, 2015**

Everspin Technologies is searching for exceptional candidates to fill a Member of the Technical Staff position in Spin-Torque MRAM development.

### **Scope of Responsibility/Expectations**

Work closely with other team members on a coordinated effort in spin-torque MRAM development. Perform magnetic characterization and electrical testing, build and modify test equipment as needed. Coordinate and prioritize work of self and others in the same area. Analyze data to reach conclusions about characteristics of magnetic materials and devices and present results. Develop methods and work collaboratively to understand and control the properties of magnetic devices based on magnetic tunnel junction materials. Collaborate with engineers and scientists from multiple disciplines to perform designed experiments on new and improved magnetoresistive devices. Conceive and champion innovations for improved ST-MRAM devices and materials. Good communication skills and strong team work is required.

### **Specific Knowledge**

- Fundamental science and technology of magnetic tunnel junction (MTJ) devices and materials.
- Measurement methods for magnetic properties of thin films, magnetic tunnel junctions, and patterned magnetic devices.
- Test methods for electron transport properties of MTJ devices and an understanding of their magnetoelectronic characteristics.
- Analysis techniques for interpretation of magnetic and electrical data from MTJ materials and devices.

### **Education and Experience**

Ph.D. or equivalent combination of education and experience in a relevant science or engineering field is required. Post-graduate experience in academia or industry related to magnetic devices, particularly spin-torque devices, is very desirable. A track record of innovation and leading-edge expertise is expected in the relevant areas, as demonstrated by technical publications and patent applications.

### **Everspin Technologies**

Headquartered in Chandler, Arizona, Everspin Technologies, Inc. is the worldwide leader in designing, manufacturing, and commercially shipping discrete and embedded Magnetoresistive RAM (MRAM) and Spin-Torque MRAM (ST-MRAM) into markets and applications where data persistence and integrity, low latency, and security are paramount. With over 50 Million MRAM and ST-MRAM products deployed in data center, cloud storage, energy, industrial, automotive, and transportation markets; Everspin has built the strongest and fastest growing foundation of MRAM users in the world.