



## **Magnetic Device Physics/Engineering for Spin-Torque MRAM Development**

Everspin Technologies is searching for exceptional candidates to fill a Senior 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. 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. Perform magnetic 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, devices and MRAM arrays. Good communication skills, including presentation skills, and strong team work are 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 and characterization methods for MTJ materials, devices and integrated MRAM arrays.
- Analysis techniques for interpretation of magnetic and electrical data from MTJ materials, devices, and arrays.

### **Education and Experience**

Ph.D. in Physics, Electrical Engineering, or Materials Science and at least three years of post-graduate magnetic device R&D experience, or equivalent education and experience, is required. A track record of innovation and leading-edge expertise is expected in the relevant areas, as demonstrated by publications in technical journals and patent issued/published.

### **The Company**

Everspin Technologies is the world's first volume MRAM supplier and continues to lead the industry by advancing the technology and expanding its MRAM product portfolio. The open position is at the company headquarters located in Chandler, Arizona (greater Phoenix metropolitan area). It is a salaried position that includes benefits including: medical, dental, vision plan, paid time off, and a 401k retirement plan.

### **Contact**

Please send resume to [careers@everspin.com](mailto:careers@everspin.com)