

# Everspin to Demonstrate Spin-Torque MRAM with Altera FPGAs at Flash Memory Summit 2014

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## *Solution Achieves Ultra Low Latency, Increased Reliability with High Cycling Endurance*

**Chandler, AZ, Aug 4, 2014** — Everspin Technologies will demonstrate the first commercially-available Spin Torque MRAM (ST-MRAM) at the Flash Memory Summit, Aug 5-7, 2014 in Santa Clara, in the Altera booth #621 and in the Mobiveil booth #721. Everspin will share its roadmap of ST-MRAM solutions showing customers how they can meet tomorrow's storage system requirements, by combining the speed and endurance of DRAM with the non-volatility of Flash.

The companies will be demonstrating a PCIe-based storage system featuring very low latency, high endurance, and fast persistence, enabled by Everspin's ST-MRAM ported to Altera's Stratix® family of FPGAs. The system retains data even when electrical power is removed either from an unexpected power loss, system crash or from a normal system shutdown. Also taking part in the demonstration is Mobiveil, Inc., a fast growing supplier of silicon intellectual property (SIP) and IP-enabled design services.

"Altera FPGAs along with the Everspin ST-MRAM solution offer customers the combined benefits of both Flash and DRAM – which include improved application performance, data security, system crash recovery time and SSD reliability," said Bob Pierce, Compute and Storage Architect, Altera Corporation.

"Altera has taken the lead in enabling ST-MRAM within memory and storage markets supported by high performance, low power FPGAs," said Terry Hulett, Vice President and General Manager of Systems Solutions at Everspin. "The Altera, Mobiveil and Everspin demonstration shows OEMs how they can achieve instantly persistent memory at DRAM speeds."

### **About Everspin Technologies**

Everspin Technologies is the leading developer and manufacturer of magnetic RAM (MRAM), offering stand-alone and embedded Toggle and Spin-Torque MRAM products. As the world's first volume MRAM supplier, Everspin has established itself as "The MRAM Company" with an intellectual property portfolio of more than 600 active patents and applications, many of which are fundamental and essential for MRAM technologies. Today Everspin delivers MRAM

products to broad applications in the data center and storage, energy and infrastructure, and automotive and transportation markets. [www.everspin.com](http://www.everspin.com)

**About Mobiveil, Inc.**

Mobiveil is a fast-growing technology company that specializes in development of Silicon Intellectual Properties, platforms and solutions for the networking, storage and enterprise markets. Mobiveil team leverages decades of experience in delivering high-quality, production-proven, highspeed serial interconnect Silicon IP cores and custom and standard form factor hardware boards to leading customers worldwide. With a highly motivated engineering team, dedicated integration support, flexible business models, strong industry presence through strategic alliances and key partnerships, Mobiveil solutions have added tremendous value to the customers in executing their product goals within budget and on time. Mobiveil is headquartered in the Silicon Valley with engineering development centers located in Milpitas, CA, Chennai and Bangalore, India, and sales offices and representatives located in US, Europe, Israel, Japan, Taiwan and People Republic of China. For more information, please visit <http://www.mobiveil.com>

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