

**For Immediate Release**

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## **Nantero, Inc. Announces \$10.5MM in Funding Developing Nanotube-Based Nonvolatile RAM Technology for Licensing**

Woburn, MA – Sept. 2003: Nantero, Inc., a company that is currently developing **NRAM™**, a high-density nonvolatile random access memory chip using nanotechnology, announced today that it received its second round of investment. The new lead investor was Charles River Ventures ([www.crv.com](http://www.crv.com)), a firm with over 30 years of experience in high technology. Returning existing institutional investors include Draper Fisher Jurvetson, based in Redwood City, California, along with Stata Venture Partners and Harris & Harris Group (NASDAQ: TINY). Bruce Sachs and Bill Tai, both Partners at Charles River Ventures, have joined Nantero's Board of Directors.

Nantero's NRAM™ will replace all existing forms of memory, such as DRAM, SRAM and flash memory, with a high-speed high-density nonvolatile RAM – 'universal memory.' NRAM™ can simultaneously achieve speeds competitive with SRAM, densities competitive with DRAM, and also offer the nonvolatility of flash with lower power consumption and unlimited endurance.

The company will offer for license a complete package to enable manufacturers to produce, market, and sell NRAM™ for both standalone and embedded memory applications. This technology transfer package will include a process module and the associated process knowledge, intellectual property rights, and the necessary nanotube materials.

Recently Nantero has created multiple prototype devices, including an array of ten billion suspended nanotube junctions on a single silicon wafer. Nantero's design for NRAM involves the use of suspended nanotube junctions as memory bits, with the "up" position representing bit zero and the "down" position representing bit one. Bits are switched between states through the application of electrical fields. The wafer was produced using only standard semiconductor processes, maximizing compatibility with existing semiconductor factories. Bruce Sachs, a partner with Charles River Ventures in the Waltham office, noted that, "Nantero has achieved impressive milestones over the last two years, especially in demonstrating compatibility of its manufacturing process with industry standards."

Bill Tai, a partner in the Silicon Valley office of Charles River Ventures said, "Universal memory has been a dream for the semiconductor industry for decades—we feel that Nantero's innovative approach using carbon nanotubes and a nanoelectromechanical design can make that dream a reality in the near term."

Greg Schmergel, Nantero's co-founder and CEO, commented, "We are pleased to have completed this round of funding and to have Bruce Sachs and Bill Tai joining us as we move into the next phase of development for NRAM™."

### **About Nantero, Inc.**

Nantero is currently developing **NRAM™**—a high-density nonvolatile random access memory chip using nanotechnology. NRAM™ will replace all existing forms of memory, such as DRAM, SRAM and flash memory, with a high-density nonvolatile RAM – 'universal memory.' The potential applications for the nonvolatile RAM Nantero is developing add up to over \$100B in revenue potential, including the ability to enable instant-on computers and to replace flash memory in devices such as MP3 players, digital cameras, and PDAs, as well as applications in the networking arena. For more information on Nantero, Inc. please visit [www.nantero.com](http://www.nantero.com)