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## **NANTERO'S THOMAS RUECKES SELECTED AS ONE OF NANOTECH BRIEFS TOP INNOVATORS**

Woburn, MA. September 7, 2005; Nantero, Inc., a nanotechnology company using carbon nanotubes for the development of next-generation semiconductor devices, announced today that Dr. Thomas Rueckes, its Chief Scientific Officer and Co-founder, was recently named one of the world's top nanotechnology innovators by Nanotech Briefs Nano 50™ Awards. The awards recognize the top 50 people, products and technologies globally that have significantly impacted the nanotech industry.

"The winners of the Nano 50™ awards are the best of the best – the innovative people and technologies that will continue to move nanotechnology to key mainstream markets," said Linda L. Bell, publisher of *Nanotech Briefs*.

Dr. Rueckes was also recently presented with the prestigious World Technology Pioneer Award from the World Economic Forum and was one of the five finalists for the 2003 Feynman Prize in Nanotechnology awarded by the Foresight Institute, in the Experimental category. Previous winners of the Feynman Prize in Nanotechnology include Charles Lieber (Harvard University), Chad Mirkin (Northwestern University) and Phaedon Avouris (IBM).

While at Harvard University, Dr. Rueckes came up with a concept for using carbon nanotubes as nanoelectromechanical devices to store data, a brand new direction for the use of this material. He was the first author of the influential paper in *Science* -- "Carbon Nanotube-based Nonvolatile Random Access Memory for Molecular Computing," [*Science* **289**, 94 (2000)], one of the Top 3 most-cited papers in the field of chemistry during 2002 (ISI Hot Paper Database).

After co-founding Nantero, Inc., he led a team of highly qualified scientists and engineers in turning the concept into reality and has hit multiple major milestones, including creating Gigabit prototype device arrays and developing a manufacturing process for the new memory device that is fully compatible with existing semiconductor factories.

The proprietary manufacturing approach will enable for the first time the ultra-large scale integration (ULSI) of carbon nanotube-based devices in a deep sub-micron semiconductor fabrication line. In the near future, these innovations will allow NRAM™ to be one of the first mass manufactured nanoelectronics products.

"We are thrilled that Tom was recognized by Nanotech Briefs," said Greg Schmergel, Co-founder and CEO of Nantero, Inc, "and look forward to continuing Nantero's and Tom's track record of innovation in this emerging industry."

The Nano 50 awards will be presented at a special awards dinner during the NASA Tech Briefs Nano 2005 Conference in Boston, November 10-11 2005.

#### About Nanotech Briefs

Nanotech Briefs, launched in January 2004, is a digital magazine from the publishers of NASA Tech Briefs - the country's largest-circulation design engineering magazine - that provides the best of government, industry and university nanotech innovations with real-world applications in areas such as electronics, materials, sensors, manufacturing, biomedical, optics/photonics, and aerospace/defense. Nanotech Briefs is the first publication specifically for engineers who are designing tomorrow's nanotech products. For more information, please visit [www.nanotechbriefs.com](http://www.nanotechbriefs.com).

#### About Nantero

Nantero is a nanotechnology company using carbon nanotubes for the development of next-generation semiconductor devices. Nantero's main focus is the development of **NRAM™** –a high-density nonvolatile random access storage device. NRAM™ will replace all existing forms of storage, 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 the memory in devices such as cell phones, MP3 players, digital cameras, and PDAs, as well as applications in the networking arena. NRAM™ can be manufactured for both standalone and embedded memory applications. Nantero is also working with licensees on the development of additional applications of Nantero's core nanotube-based technology. For more information on Nantero, Inc. contact SGN Public Relations & Marketing at [Suzanne@nantero.com](mailto:Suzanne@nantero.com)