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Nano-RAM is a proprietary computer memory technology from the company Nantero. It is a type of nonvolatile random access memory based on the position of carbon nanotubes deposited on a chip-like substrate. In theory, the small size of the nanotubes allows for very high density memories. Nantero also refers to it as NRAM.

Nano-RAM - Wikipedia

Nanoelectronics refer to the use of nanotechnology in electronic components. The term covers a diverse set of devices and materials, with the common characteristic that they are so small that inter-atomic interactions and quantum mechanical properties need to be studied extensively. Some of these candidates include: hybrid molecular/semiconductor electronics, one-dimensional nanotubes ...

Nanoelectronics - Wikipedia

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Recent developments of STT-MRAM memories • Demonstration of stand-alone 4 Gb STT-MRAM memory by SK Hynix/Toshiba. S.-W. Chung et al., IEDM16 -659 (2016)

New Approaches to MRAM Switching

(329) Kobashi, K., Lomeda, J.; Chen, Z.; Azad, S.; Hwang, W.-F.; Tour, J. M. • Preparation of Single-Walled Carbon Nanotubes-Induced Poly(p-Oxybenzoyl) Crystals • J ...

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This paper will review emerging non-volatile memory (NVM) technologies, with the focus on phase change

memory (PCM), spin-transfer-torque random-access-memory (STTRAM), resistive random-access-memory (RRAM), and ferroelectric field-effect-transistor (FeFET) memory.

A review of emerging non-volatile memory (NVM)

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Recent progress in resistive random access memories

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Phone: (023) 8059 4638 Email: wangs@soton.ac.uk Dr Shuncaï Wang BSc, MSc, PhD, FHEA, FRMS Lecturer, Manager of Electron Microscopy Centre Related links Personal homepage Dr Shuncaï Wang is Lecturer within Engineering and Physical Sciences at the University of Southampton.

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Biography. Ravi Silva is the Director of the Advanced Technology Institute (ATI) and Heads the Nano-Electronics Centre (NEC), which is an interdisciplinary research activity. The ATI has over 150 active researchers working on multidiscipline programmes with the NEC being a major research group within the institute.

Prof Ravi Silva | University of Surrey

Rohan M Ganapathy (26), is a Director, CEO & CTO at Bellatrix Aerospace Pvt. Ltd. Bellatrix is an IISc incubated company involved in the development of advanced in-space propulsion systems.

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