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nanotechweb.org: tech update, Fri, 16 Oct 2009 00:05:06 GMT

Graphene feels the strain

Engineering a "bend" gap could help make real-world electronic devices

Thermal noise highlights viscoelasticity in micro-cantilever

Custom-built interferometric AFM deflection sensor captures dissipation process

Melting gold nanoparticles act as versatile catalyst

Substrate-independent ZnO nanowire growth allows developers to move beyond silicon

ScienceDaily: Nanotechnology News, Fri, 16 Oct 2009 00:05:06 GMT

'Magnetricity' Observed And Measured For First Time

A magnetic charge can behave and interact just like an electric charge in some materials, according to new research. The findings could lead to a reassessment of current magnetism theories, as well as significant technological advances.

Growing Geodesic Carbon Nanodomains

Studying the formation of nanoscopic carbon geodesic domes offers insight into the growth of graphene sheets, and may lead to compact, efficient circuitry.

Tiniest Test Tube Experiment Shows Reaction Of Melting Materials At Nano Scale

Researchers have conducted a basic chemistry experiment in what is perhaps the world's smallest test tube, measuring a thousandth the diameter of a human hair.

Nanotechnology News, Fri, 16 Oct 2009 00:05:06 GMT

Plasmon-enhanced optical absorption and photocurrent in organic bulk...

Abstract Improved optical absorption and photocurrent for polythiophene fullerene bulk heterojunction photovoltaic devices is demonstrated using a unique self-assembled monolayer of Ag nanoparticles formed from a colloidal solution.

New nanotech sensor developed with medical, chemistry applications

Researchers at Oregon State University and other institutions have developed a new "plasmonic nanorod metamaterial" using extraordinarily tiny rods of gold that will have important applications in medical, biological and chemical sensors.

Nanotech Protection: Current Safety Equipment May Not Be Adequate

Patricia Dolez of the Department of Mechanical Engineering, at the cole de technologie supieure, in Montral and colleagues point out that skin is not an impervious membrane.

Nanotechnology Now Recent News, Fri, 16 Oct 2009 00:05:07 GMT

Nanorobot Invention and Linux: The Open Technology Factor - An Open Letter to UNO General Secretary

Author - Adriano Cavalcanti: This is an open letter, which discloses an outline on the current status of nanorobotic cutting edge technology trends in software development, bioinformatics, proteomics,...

CTI Enters Into Agreement for Womack Systems to Manufacture Its Cutting

Edge Nano-Cavitation Process Systems

Cavitation Technologies, Inc. (CTI) (OTC Bulletin Board: CVAT; Berlin: WTC) is pleased to announce it has executed a Letter of Intent with Womack Systems, LLC (www.womack-machine.com) for the manufact...

Nanomedicine has huge potential in India, experts say

India, with over a billion population, has a huge market potential for nanomedicine, and nano drugs can improve the healthcare system in the country, experts said Thursday. "Nanotechnology has brig...

NanoFocus, Fri, 16 Oct 2009 00:05:07 GMT

Mapping The Epigenome

New tools chart chemical modifications of DNA and its packaging proteins.

Emulating Nature's Silicon Skills

ACS Meeting News: Diatoms have a knack for working with silicon that chemists hope to reproduce in the lab.

Thin As Thin Can Be

Catalysis: Synthesis yields zeolite crystals one unit cell thick.



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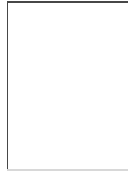
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nanotechnology news - Google News, Fri, 16 Oct 2009 00:05:11 GMT

Conference at Chemical Heritage Institute focusing on nanotechnology - Philadelphia Business Journal**Conference at Chemical Heritage Institute focusing on nanotechnology Philadelphia Business Journal**

The 2009 Discovery to Commercialization Conference at the Chemical Heritage Institute will focus on commercial applications of **nanotechnology** in the life ...

How Should Nanotechnology be Regulated? Reporting from the Nano Summit - Institute for Ethics and Emerging Technologies**How Should Nanotechnology be Regulated? Reporting from the Nano Summit Institute for Ethics and Emerging Technologies**

Currently, the RTP area is one of the nation's hotspots in **nanotechnology**. The nanotech community is attempting to follow the successful paradigm of the ...

ECE Student Receives Astronaut Scholarship - UK News[UK News](#)**ECE Student Receives Astronaut Scholarship****UK News**

In the future, he plans to pursue a doctorate and work on the cutting edge of photovoltaics and **nanotechnology**. "Samuel is an exceptional student who has ...

[Astronaut Give UK Student Award](#)WTVQ

[NASA astronaut presents scholarship to UK student](#)UK The Kentucky Kernel

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PRWeb: Nanotechnology, Fri, 16 Oct 2009 00:36:49 GMT

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Company Granted Patent on Apparatus, Systems, and Methods for Gathering and Processing Wireless Biometric and Biomechanical Data

Patent relates to systems for wireless collection of body motion data from sensors attached to a body. (PRWeb Oct 13, 2009)

Read the full story at <http://www.prweb.com/releases/2009/09/prweb2764294.htm>

Independent Study: OxiTitan VLR Antimicrobial Coating Kills Virus on Surfaces

OxiTitan VLR : A new weapon in the battle against deadly viruses. This advanced nanoparticle antimicrobial coating safely kills viruses and bacteria on treated surfaces. OxiTitan VLR is a broad spectrum mineral based photocatalyst that is continuously activated by normal interior light to trap, oxidize and kill microbes. Safe and eco-friendly OxiTitan VLR is a transparent coating for existing surfaces and textiles, working 24/7/365 to reduce pathogen contamination. (PRWeb Oct 13, 2009)

Read the full story at <http://www.prweb.com/releases/2009/10/prweb3029714.htm>

Air Innovations Designs Environmental Control Unit for Medical Device OEM

An original equipment manufacturer's concept for an environmental control unit (ECU) that protected the process chemicals in its medical device was made into reality by Air Innovations. (PRWeb Oct 12, 2009)

Read the full story at <http://www.prweb.com/releases/2009/10/prweb3005404.htm>

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