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

'S magnetically' 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 Nanodomes
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.

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.

Nanotechnology now recent news
Nanorobot invention and Linux: The open technology factor - an open letter to UNO general secretary
Author: Adriano Cavalcanti: This is an open letter, which discusses an outline on the current status of nanorobotic cutting edge technology trends in software development, bioinformatics, proteomics, etc.

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 to manufacture its cutting edge nanocavitation process systems.

NanoFocusing: 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.

Nanomedicine has huge potential in India, experts say
India, with over a billion population, has a huge market potential for nanomedicine, and nanosafety can improve the healthcare system in the country, experts said Thursday. "Nanotechnology has brought..."
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

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

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 ..." 

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


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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Conference at Chemical Heritage Institute focusing on nanotechnology

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