

InterNano — The Nanomanufacturing Information Clearinghouse and Web Portal to the National Nanomanufacturing Network (NNN)

InterNano.org officially launched in 2008 to support the nanomanufacturing research, development and education community as cyberinfrastructure that collects, organizes and disseminates information in the nanomanufacturing domain. The website serves as the web home of the NNN and provides a directory of experts and centers, a process database, a taxonomy, highlights, reports, reviews, news, events and other features. InterNano and the NNN are facilitated by the NSF NSEC, Center for Hierarchical Manufacturing, at the University of Massachusetts Amherst (CMMI-053117)

InterNano Gateway to the National Nanomanufacturing Network

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Nanomanufacturing Summit 2009
BOSTON, MA
MAY 27-29, 2009

National Nanomanufacturing Network News
Highlights from the nanomanufacturing community.

Enhanced Mass Transport in Carbon Nanotubes
Researchers experimentally demonstrate fast mass transport through a specially fabricated, sub-2-nanometer carbon nanotube filter.

Thomas Swan & Company Receives First Pre-Manufacturing Notices for SWNT & MWNT
Press Release: Thomas Swan & Co. Ltd. has announced that the United States Environmental Protection Agency (EPA) has granted an approval for manufacture and sale of the company's high-purity Elicarb SW single-walled carbon nanotube product following a comprehensive review with the specialist manufacturer.

APMC Atomically Precise Manufacturing Consortium: Working Toward Precision Nanomanufacturing
Richardson, Texas: Zyvex Labs and the Atomically Precise Manufacturing Consortium recently announced their receipt of a nearly \$10 million award from DARPA and the Texas Emerging Technology Fund (ETF) for the development new manufacturing techniques for tip-based nanofabrication (TBN).

Military Missions Focus: Nanomanufacturing and Dual-Use Commercialization Conference
Written by Jeff Morse, PhD.
November 19, 2008
One model for integrating industry into federal research initiatives includes the formation of consortia that bring together the key capabilities and stakeholders to foster rapid manufacturing scale-up for military needs.
Read more...
Last updated: November 19, 2008

Nanofabrication User Facilities: Approaches for Successful Technology Research, Development, and Transition
Written by Jeff Morse, PhD.
October 07, 2008
In this resource-conscious R&D environment, can you improve your company's chance of success by using a public Nanofabrication User Facility? How do you demonstrate the feasibility of an idea in a timely, cost-effective fashion? How do you leverage the manufacturing, processing and diagnostic tools that are available? For An Shyang Chu of PCB Piezotronics, an industrial user of the National Science

Crystal Template
A SEM of a 3-D photonic crystal template in SU-8 photoresist fabricated with laser phase mask techniques. From "3D Hierarchical nanomanufacturing for ...

Events
View Gallery

- Nanotechnology and the Law
December 08, 2008
- SPIE Smart Materials, Nano+Micro-Smart Systems 2008
December 09, 2008
- 2nd Bangalore Nano Conference and Exhibit
December 11, 2008
- Symposium on Surface and Nanoscience 2009
January 27, 2009

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Industry News

- Nanoparticle Tracking Analysis Provides Invaluable Information for Virus Detection
- AZoNano.com -
Nanotechnology News Feed
December 8, 2008
- Scientists explore nature's designs: Physical chemist Joanna Aizenberg imitates

