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AWARDING THE BEST IN SMALL TECH

[2005 Winners](#)

Nanotech Briefs® is pleased to announce the winners of the second annual Nano 50™ Awards, which recognize the top 50 technologies, products, and innovators that have significantly impacted - or are expected to impact – the state of the art in nanotechnology. The winners of the Nano 50 awards are the “best of the best” – the innovative people and designs that will move nanotechnology to key mainstream markets.

Nano 50 nominations were judged by a panel of nanotechnology experts. The technologies, products, and innovators receiving the 50 highest scores were named Nano 50 award winners.

Nanotech Briefs congratulates all of the Nano 50 winners. Join us as we celebrate these innovators, and the technologies and products they've created, at the Nano 50 Awards Dinner at the NASA Tech Briefs National Nano Engineering Conference in Boston, November 9 and 10, 2006. Visit [www.techbriefs.com/nano](http://www.techbriefs.com/nano) for more information.

Congratulations to the second annual Nano 50:

#### Technologies

Technology breakthroughs that have, or are expected to have, a significant impact in one or more application areas.

#### Lithium-Ion Battery Technology

A123Systems  
Watertown MA

#### Ultrananocrystalline Diamond™

Advanced Diamond Technologies, Inc.  
Champaign, IL

#### Nano-material for Security Applications

Authentix Inc.  
Addison, TX

#### Solar-to-Electric Energy Conversion Using Nano-Coaxial Wires

Boston College  
Chestnut Hill, MA



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**Antimicrobial Compounds**

Chaperone Technologies, Inc.  
Malvern, PA

**Carbide-Derived Carbon**

Drexel University  
Philadelphia, PA

**Nano-Composite Arsenic Sorbent**

Idaho National Laboratory  
Idaho Falls, ID

**Nanosensor-Based Hydration Monitoring System**

Hemetrics Development Corporation  
Cambridge, MA

**HelioVolt FASST™ Process**

HelioVolt  
Austin, TX

**Nanostrand Technology**

Metal Matrix Composites Company, LLC  
Midway, UT

**Nano Emissive Display (NED™)**

Motorola, Inc.  
Tempe, AZ

**CNT Production Technology**

NanoComp Technologies  
Lebanon, NH

**Ferritin Molecule Bionanobattery**

NASA Langley Research Center  
Hampton, VA

**Embedded Thermoelectric Components (eTECs)**

Nextreme Thermal Solutions  
Research Triangle Park, NC

**HTS Wires Enabled via 3D Self-Assembly of Insulating Nanodots**

Oak Ridge National Laboratory  
Oak Ridge, TN

**Magnetic-Based Nanoparticles for Cancer Imaging and Treatment**

Pennington Biomedical Research Center (PBRC) & The Center for Advanced Microstructures  
and Devices (CAMD)  
Baton Rouge, LA

**Nanorod Material**

Purdue University  
West Lafayette, IN

**Fabrication of Microsphere Molecular Junctions**

SAIC  
Manassas, VA

**NanoSal™ Platform**

Salvona Technologies Inc.  
Dayton, NJ

**Nanochannel-Based Fuel Cells**

Texas Tech University  
Lubbock, TX

**Carbon Nanotube Supercapacitors**

University of California, Davis (NEAT Center)  
Davis, CA

**Process for CNT Yarn Fabrication**

University of Texas at Dallas/CSIRO  
Richardson, TX

**Products**

A product that incorporates nanotechnology in its design and/or operation, with significant current or near-term commercial applications.

**Model NS1 NanoSpectralyzer**

Applied NanoFluorescence, LLC  
Houston, TX

**Flexible Aerogel Products**

Aspen Aerogels, Inc.  
Northborough, MA

**Dimatix Materials Printer**

FUJIFILM Dimatix  
Santa Clara, CA

**Stealth Comp CNT Bat**

Easton Sports, Inc.  
Van Nuys, CA

**LiquidN™ Coatings**

Ecology Coatings  
Akron, OH

**Titan™ S/TEM**

FEI Company  
Hillsboro, OR

**TPO-Based Nanocomposites**

General Motors R&D  
Warren, MI

**nanoCLEAR System**

Optical Dynamics  
Louisville, KY

**SERS Nanotags**

Oxonica Inc.  
Mountain View, CA

**NanoLub™**

NanoMaterials, Ltd.  
Rehovot, Israel

**Metal Rubber™**

NanoSonic, Inc.  
Blacksburg, VA

**Acticoat™ Burn Dressing**

NUCRYST Pharmaceuticals Corp.  
Wakefield, MA

**Nanit® active Oral Care Products**

SusTech GmbH & Co. KG  
Darmstadt, Germany

**Innovators**

An individual recognized as a leader or pioneer in a specific area of nanotechnology, with a significant background of accomplishments in advancing the state of the art in nanotechnology.

**David J. Bishop, Ph.D.**

NJNC & Bell Labs/Lucent Technologies  
Murray Hill, NJ

**Ahmed Busnaina, Ph.D.**

NSF Center for High Rate Nanomanufacturing at Northeastern University  
Boston, MA

**Jia Chen, Ph.D.**

IBM T.J. Watson Research Center  
Yorktown Heights, NY

**Xiangfeng Duan, Ph.D.**

Nanosys Inc.  
Palo Alto, CA

**Yury Gogotsi, Ph.D.**

A.J. Drexel Nanotechnology Institute  
Philadelphia, PA

**Naomi J. Halas, Ph.D.**

Rice University  
Houston, TX

**Yu Huang, Ph.D.**

University of California, Los Angeles  
Los Angeles, CA

**Akhlesh Lakhtakia, Ph.D.**

Pennsylvania State University  
University Park, PA

**David E. Reisner, Ph.D.**

Inframat Corporation  
Farmington, CT

**John Rogers, Ph.D.**

University of Illinois at Urbana-Champaign  
Urbana, IL

**Mark D. Stiles, Ph.D.**

National Institute of Standards and Technology  
Gaithersburg, MD

**Joseph A. Stroscio, Ph.D.**

National Institute of Standards and Technology  
Gaithersburg, MD

**James M. Tour, Ph.D.**

Rice University  
Houston, TX

**Jonathan Trent, Ph.D.**

NASA Ames Research Center  
Moffett Field, CA

**Lloyd J. Whitman, Ph.D.**

Naval Research Laboratory  
Washington, DC

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