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AWARDING THE BEST IN SMALL TECH

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*Nanotech Briefs*® is pleased to announce the winners of the third 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 14 and 15, 2007. Visit [www.techbriefs.com/nano](http://www.techbriefs.com/nano) for more information.

*Congratulations to the third annual Nano 50:*

#### **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.

#### **Pulickel M. Ajayan**

Rice University  
Houston, Texas

#### **Shigeru Aoyama**

Omron Corp.  
Japan

#### **Olgica Bakajin**

Lawrence Livermore National Laboratory  
Livermore, CA

#### **Zhenan Bao**

Stanford University  
Stanford, CA

#### **Stephen Y. Chou**

Princeton University  
Princeton, NJ

#### **Ken Dean**

Motorola Labs  
Tempe, AZ

#### **Omid Farokhzad**

Harvard Medical School/Brigham and Women's Hospital  
Boston, MA

#### **Nicholas Leventis**

University of Missouri at Rolla  
Rolla, MI

#### **Charles R. Martin**

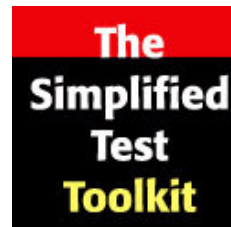
University of Florida  
Gainesville, FL

#### **Gilles Picard**

Nanometrix  
Canada

#### **Michael T. Postek**

National Institute of Standards & Technology (NIST)  
Gaithersburg, MD



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**Eric Snow**

Naval Research Laboratory  
Washington, DC

**Francesco Stellacci**

Massachusetts Institute of Technology  
Cambridge, MA

**Thomas Thundat**

Oak Ridge National Laboratory  
Oak Ridge, TN

**Ming Zheng**

E.I. DuPont de Nemours & Co.  
Wilmington, DE

**Technologies**

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

**Nanoparticle Flux Pinning in Superconductors**

Air Force Research Laboratory  
Wright-Patterson Air Force Base, OH

**Nanophotonic Integrated Circuit from Dendrimer**

Applied Research and Photonics, Inc.  
Harrisburg, PA

**Controlled Architecture Polymers**

Arkema  
France

**Nanoantenna Arrays**

Idaho National Laboratory  
Idaho Falls, ID

**Nanostructured Device Manufacturing Process**

Idaho National Laboratory  
Idaho Falls, ID

**Single Quantum Dot Nanowire LEDs**

Kavli Institute of Nanoscience/Philips Research Labs  
The Netherlands

**Fabrication of Nanoporous Metal Materials**

Lawrence Livermore National Laboratory  
Livermore, CA

**Pathogen-Sensing Nanosensors**

Lawrence Livermore National Laboratory  
Livermore, CA

**Microfluidizer High-Pressure Fluids Processor**

Microfluidics Corp.  
Newton, MA

**Modulated Power Spectrum Method of Zeta Potential Determination**

Microtrac, Inc.  
Montgomeryville, PA

**Method for Manufacturing High-Quality Carbon Nanotubes**

NASA Goddard Space Flight Center  
Greenbelt, MD

**Size-Controlled Metallic Nanoshells and Nanoparticles**

NASA Langley Research Center  
Hampton, VA

**Scatterfield Optical Microscopy**

National Institute of Standards & Technology (NIST)  
Gaithersburg, MD

**Single Nanoparticle Optics**

Old Dominion University  
Norfolk, VA

**Network Nanostructured Polymer System**

Polymate Ltd.-Israeli Research Center  
Israel

**Common Platform™ Technology**

Samsung, IBM, Chartered Semiconductor  
San Jose, CA

**Low-Temperature Nanomaterials for Fuel Cells**

University of California, Davis  
Davis, CA

**Nanoengineered Superthermites for Shock Wave and Energy Generation**

University of Missouri-Columbia  
Columbia, MO

**Fuel-Powered Artificial Muscles**

University of Texas at Dallas  
Richardson, TX

**Zerovalent Iron Nanoparticles Process**

University of Toledo  
Toledo, OH

**Polymer Foam Nanocomposites**

University of Virginia  
Hampton, VA

**Printed Organic Electronics**

Xerox Research Centre of Canada  
Canada

**xGnP-Exfoliated Graphite Nanoplatelets**

XG Sciences, Inc.  
East Lansing, MI

**Products**

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

**Ultra-Strong, Stiff, and Lightweight CNT Fiber**

CNT Technologies, Inc.  
Seattle, WA

**Dual Mode Fluorescence (DMF) Module**

CytoViva, Inc.  
Auburn, AL

**RoboMate™ Nanopositioning System**

Discovery Technology International  
Sarasota, FL

**Starch Nanospheres**

EcoSynthetix  
Lansing, MI

**NANOSPIDER AntimicrobeWeb™**

ELMARCO s.r.o.  
Czech Republic

**Quanta 3D FEG**

FEI Co.  
Hillsboro, OR

**nanoECR™ System**

Hysitron, Inc.  
Minneapolis, MN

**Nanomaterials for Water Cleanup**

NanoDynamics/MetaMateria Partners  
Buffalo, NY

**Forte™ Nanocomposites**

Noble Polymers  
Grand Rapids MI

**VivaGel™**

Starpharma Holdings Ltd.  
Australia

**Emulsion Aggregation (EA) Toner Technology**

Xerox Research Centre of Canada  
Canada

**Integrated Circuit SEM Probing Product Line**

Zyvex Instruments, LLC  
Richardson, TX

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