

April 2, 2009

NYSTAR[®] Sci ☆ Tech News Bytes

Dear Friends,

Congratulations to the new Trustees for the Beacon Institute. NYSTAR looks forward to working with them. As always, feel free to contact us with your thoughts and suggestions. Write to: contact@nystar.state.ny.us.

—Ed Reinfurt, Executive Director of NYSTAR

Clarkson University President Appointed to Beacon Institute Board of Trustees

Inside this issue:

Clarkson President
Receives Appointment

High-tech Jobs

Spotlight on Facilities

Funding Opportunities

DEC Seeks Nominees

Upcoming Events

nySTARS

Young Innovators

Clarkson University News
Beacon Institute for Rivers and Estuaries today announced that it has named four respected professionals from New York's upstate region, including Clarkson University President Tony Collins, to its Board of Trustees.

Also named were Heather Briccetti, vice president of government affairs for the Business Council of New York State; Lynette Stark, executive director of Susan G. Komen for the Cure -- Northeastern NY Affiliate; and Paul Webster, statewide director of community outreach for the New York State United Teachers (NYSUT).



Clarkson President Collins

Beacon Institute, with offices in Beacon and Troy, New York, is a not-for-profit environmental research organization engaging scientists, engineers, educators and policy experts in collaborative work focusing on real-time monitoring of river ecosystems. It aims to make the Hudson Valley a global center for scientific and

technological innovation that advances research, education and public policy regarding rivers and estuaries.

Clarkson University and Beacon Institute were recently jointly awarded \$1.4 million through the National Science Foundation's (NSF) Innovative Technology Experiences for Students and Teachers (ITEST) grant program, a prestigious national award that recognizes innovative teaching approaches that foster Science, Technology, Engineering and Mathematics (STEM) skills among high school students.

<http://clarkson.edu/news/print.php?id=2208>

Rochester Business Journal Environmental Leadership Symposium

Featuring: George Heartwell, Mayor of Grand Rapids, MI, Ed Reinfurt Ex. Dir. of NYSTAR

Thursday, April 16, 2009 • 8 a.m. - 5 p.m. Rochester Riverside Convention Center

For more information: Kateri Spellecy at (585) 546-8303

<http://www.rbj.net/newsstand.cfm?CategoryID=4>

High-tech SUNY campus may add hundreds of jobs

StarGazette.com

A \$150 million expansion of the State University of New York's NanoTech College is expected to bring more than \$1 billion in new investments and 600 new high-technology jobs by 2013, state officials said Monday.

The two new buildings at SUNY University at Albany's

College of Nanoscale Science and Engineering add more than 350,000 square feet for offices, labs and classrooms to the NanoTech Complex, for a total of 800,000-plus square feet of space and four buildings.

"That NanoFab East will support \$1 billion in new investment and lead to the creation of 600 new jobs speaks to the

efficacy of the university-industry partnership model that we have created here," said Assembly Speaker Sheldon Silver, D-Manhattan, who attended a ceremonial ribbon cutting with Gov. David Paterson and other leaders.

—Cara Matthews

<http://www.stargazette.com/article/20090331/NEWS01/903310326/1117>

NYSTAR's internationally recognized programs spur the development, design and manufacture of new technologies in a wide range of areas, including nanotechnology, electronics, life sciences, information technology, materials processing, and many others.

www.nystar.state.ny.us

Spotlight on NY's Facilities

The **University of Rochester Medical Center Flow Cytometry Core** has analytical tools including a FACSCanto (8-colors) and 3 LSR-II's (an 11-color, 12-color, and an 18-color instrument) from BD Biosciences. There is a BD 13-color FACSAria cell sorter and an Amnis ImageStream Imaging Cytometer. The facility also offers training and consultation services.

For assistance in using this facility contact:
Jason Doling at NYSTAR at 518-292-5700.

NYSTAR Resources

NYSTAR's **Funding Opportunity Newsletter (FON)** is now part of the weekly e-Newsletter. The FON provides information on funding opportunities for high-technology academic research and economic development in NYS. To see the newsletter: <http://www.nystar.state.ny.us/fon/funding.htm>

To visit the research equipment and facilities database: <http://www.nystar.state.ny.us/ref/index.htm>

To learn about the supercomputing program: www.nystar.state.ny.us/hpc/About_HPC_Computing_Program.html

DEC Seeks Nominees for Environmental Excellence

Dept. of Env. Conservation
This awards program recognizes NY's environmental and conservation leaders, who are solving environmental challenges by using innovative and environmentally sustainable practices or creative partnerships.

Eligible applicants include: Businesses, educational institutions, not-for-profits, local, state, and federal government, and individuals.

Eligible projects must: 1. Be located in NY State, 2. Have been initiated within the past

three years and have been fully operational for one year or completed by 4/30/09, NOTE: Long-term projects (i.e., those initiated prior to 2006) may be considered if a new measurable environmental benefit has been achieved in the past three years and the project has served as a model for other successful projects, 3. Be submitted by an applicant who is in good standing with the En Con Law and subject to other rules.

Applications due June 12, 2009.
<http://www.dec.ny.gov/public/945.html>

Upcoming Events

April 7, 2009 - Albany, NY

Government Funding Opportunities: A Discussion with Panel Members from NYSTAR, NYSERDA and ITECS Innovative
<http://www.usa-canada.les.org/chapters/albany/4.7.09.asp>

April 16, 2009 - Ithaca, NY

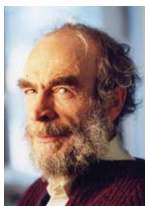
CCTEC New Business & Emerging Technologies Showcase
<http://www.cctec.cornell.edu/events/celebration09/index.php>

April 29, 2009 - Syracuse, NY

Accelerate CNY
<http://www.acceleratecny.com/>

☆ NYSTARS ☆

NYU Press Release



Mikhail Leonidovich Gromov, a professor at New York University's Courant Institute of Mathematical Sciences since

1996, was awarded the Abel Prize in Mathematics by the Norwegian Academy of Science and Letters for "his revolutionary contributions to geometry." In its announcement,

the Academy described Gromov as "one of the leading mathematicians of our time" whose work "will continue to be a source of inspiration for many future mathematical discoveries." He is expected to receive the Abel Prize from His Majesty, King Harald V of Norway, in Oslo on May 19. The honor is accompanied by a prize of NOK 6,000,000 or approximately \$950,000.

<http://www.nyu.edu/public.affairs/releases/detail/2555>



YOUNG INNOVATORS

Inno/Vention: Students Create "The Next Big Thing"

NYU - Poly News

"I will turn blueprints into bridges," reads one of the advertisements from Polytechnic Institute of NYU's award-winning "I will" campaign. Civil engineering major Benjamin Kanner (class of 2011), second place winner of the second annual Time Warner Cable Inno/Vention student idea competition, may just be the person to make that inspirational ad become a reality.

Mr. Kanner's "magnetic flexible bridge" literally turns conventional suspension bridge design on its head. Instead of suspension cables attached to towers cemented down to bedrock, Mr. Kanner's design calls for a series of hinged segments that get the strength to stay in a convex-arch shape from pillars that tower above

the ends of each segment. The repelling force of giant magnets on pairs of adjacent pillars creates the force that holds the bridge up. The bridge's ends — which serve as entrance and exit ramps — are the only points that make contact with the ground. Mr. Kanner holds a provisional patent on his design.

Mr. Kanner's invention is especially timely given President Barack Obama's pledge to fund large-scale infrastructure projects. In fact, many of the semifinalist's entries address a pressing issue like alternative energy, or capitalize on a growth market like smartphones.

<http://www.poly.edu/news/fullNews.php?id=1544>



Ed Reinfurt
Executive Director
NYSTAR



David Paterson
Governor