

November 26, 2008

NYSTAR® Sci ☆ Tech News Bytes

Dear Friends,

Congratulations to all those who worked on the Advanced Energy Conference on Long Island. It was a stimulating and exciting two days.

As always, please feel free to contact us with your thoughts and suggestions for our newsletter. Write to: contact@nystar.state.ny.us.

—Ed Reinfurt, Executive Director of NYSTAR

Advanced Energy Conference 2008

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nySTARS

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NYSTAR was a silver sponsor of the 2008 Advanced Energy Conference “Solutions to a Global Crisis” held on Long Island. 960 participants heard from speakers including Robert Catell, Chairman, USA, National Grid, Paul DeCotis, NYS Deputy Secretary for Energy, Thomas DiNapoli, NYS Comptroller, State Senator John Flanagan, State Senator Elect Brian Foley, Stony Brook University President Shirley Strum Kenny, State Senator Kenneth LaValle, and Yacov Shamash, Vice President for Economic Development and Dean at Stony Brook University.

Ed Reinfurt made keynote remarks at the conference. Reinfurt said, “Progress walks hand in hand with technology. I would like to talk about the most under discussed, under



appreciated, and under-invested aspect of the nation’s new energy-clean energy agenda – the electric grid. One of the biggest challenges we face is building a new electric grid.”

“The average age of NY’s transmission lines is over 40 years. The last major expansion of NY’s bulk power system occurred in 1987...”

“I believe NY needs a DARPA type approach. Using DARPA (Defense Advanced

Research Projects Agency) as a model, the State could bring both industry and energy planners together in a collaborative manner to decide on the specific actions which need to be researched now if we are to begin investing tomorrow...”

DARPA has organized its portfolio around specific technology challenges. It foresees new innovation-based capabilities and then works back to the fundamental breakthroughs required to make them possible.”

Dr. Yacov Shamash said, “We look forward to facilitating academic and industrial partnerships, playing an integral role in the research and commercialization of alternative energy technologies, and hosting a larger international conference next year.”

NYSTAR’s 2006 Watson Program Award Winner Receives Grant



Polytechnic Institute of NYU Poly News
The Susan G. Komen for the Cure foundation

has given Polytechnic Institute of NYU Assistant Professor Stavroula Sofou a \$450,000 grant for drug delivery research. The foundation,

which is dedicated to fighting breast cancer throughout the world, selected grantees whose efforts are most likely to produce results for cancer patients within the next decade.

In a press release announcing an unprecedented \$100 million in grants targeted to 81 universities and hospitals in 27 states and 5 countries, Hala Modell-

mog, president and CEO of Susan G. Komen for the Cure, said that the grants are geared toward “finding cures, tailoring treatments and resolving the issues that have stymied the search for a breast cancer cure.”

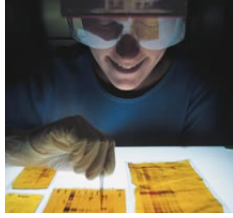
<http://www.poly.edu/news/fullNews.php?id=1416>

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 **Biomaterials Laboratory**, Inamori School of Engineering at Alfred University houses equipment for streaming potential measurements, isothermal titration calorimetry, circular dichroism spectroscopy, and in vitro reactivity studies of biomaterials.



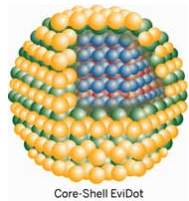
The Division of Biology laboratories include equipment for fluorescence microscopy, gel electrophoresis, polymerase chain reaction, cell culturing, and animal testing.

This laboratory is available for use. For assistance and a complete list of available equipment at the Center contact: Jason Doling at 518-292-5700 or e-mail him at: jdoling@nystar.state.ny.us.

www.nystar.state.ny.us



Clint Ballinger, Ph.D. the CEO of Evident Technologies located in Troy, New York was recently awarded



the Albany Business Review Achievement Award for Small Business Person of the Year for 2008.

Evident Technologies is a nanotechnology company and the developer of quan-

tum dots. The company also works on lighting, life sciences, advanced materials and security.

NYSTAR's Small Business Technology Investment Fund was an early investor in Evident and has found Clint to be a creative and dynamic CEO. He represents the type of NYS resource that SBTIF looks to invest in across the State, motivated executives that understand both technology and the current market.

Call for Abstracts for Healthy Buildings 2009

From *hb2009.org* - The organizers of Healthy Buildings 2009 invite you to submit an abstract of your recent work for presentation at the Healthy Buildings 2009 Conference and Exhibition to be held in Syracuse, NY USA, September 13-17, 2009.

The success of Healthy Buildings 2009 relies on contributed papers of your recent research and your participation in the conference.

All abstracts must be submitted on-line using the web-based system at <http://hb2009.org/Authors/papers.aspx>.

The following provides details required for a successful abstract submission:

1. Abstracts are due on or before December 16, 2008. You will be notified of acceptance or rejection of your abstract via email by February 1, 2009.
2. Abstract size is limited to 400 words.
3. Each abstract must be submitted by the "corresponding" author of the work.
4. We encourage abstracts of current unpublished work and on-going work not yet presented at other conferences.

<http://hb2009.org>



YOUNG INNOVATORS

New Website Targets Young Women

IBM Press Room - The Women Writing Science project, a multi-faceted initiative to involve young women in science and to encourage them to pursue careers in science, technology, engineering and math (STEM), announces the launch of the website Underthemicroscope.com.

Sponsored by and developed with IBM, Underthemicroscope.com offers a wealth of continually updated information, including input from visitors to the web site. Currently the site provides the opportunity to post personal stories, feature and guest blogging, news about science, and links to related resources. Within the year the site will include more social networking opportunities, tips on careers, tips for parents, expanded links to science-related sites, and mentoring. Ultimately the site will provide information about internships and scholarships as well as serialized chapters of Women Writing Science publications that can be downloaded free of charge and an online book club.

<http://www-03.ibm.com/press/us/en/pressrelease/25804.wss>

Upcoming Events

December 8, 2008 - Rochester, NY
University of Rochester Fuel Cell Symposium
For more info: Call 585-275-4111

December 8-9, 2008 - New York City
Axiom Capital Management—Nanotechnology Conference
http://www.axiomcapital.com/nanotech_2008/

December 10, 2008 - New York City
Medical Informatics Update
<http://www.cat.columbia.edu/documents/update2008.pdf>



Ed Reinfurt
Executive Director
NYSTAR



David Paterson
Governor