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## SMILE for the Camera – Science Motivates Inspiration & Learning Excellence



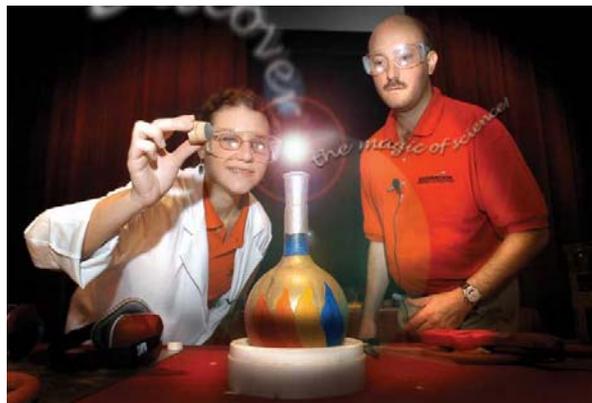
High school essay contest winners Lauren Thompson and Mitch Fourman received recognition for writing about how breakthroughs in nanotechnology will impact society in the future.

- Brookhaven National Laboratory continues to encourage excellence and achievement in science through a variety of its sponsored educational activities.
- A team of five science whiz kids from Ward Melville High School in East Setauket - Yi Yi Deng, Mitchell Fourman, Nik Ray-Mazumder, Eduard Reznik and Neal Wadhwa - emerged champions in the Department of Energy's Regional Science Bowl, hosted by the Laboratory on January 31. Sponsored by Brookhaven Science Associates, the fast-paced question-and-answer tournament tested the students' knowledge of biology, chemistry, physics, mathematics, astronomy, earth science and general science. (Eduard Reznik also won Fifth Place in this year's Intel Science Talent Search for his physics project, which described his discovery of new families of solutions to Einstein's equations for certain types of stars that do not rotate.)
- Mitchell Fourman was also awarded the grand prize of \$1,000 in the Laboratory sponsored Science and Society Essay Contest. Second and third place winners were Longwood's Margaret Brown, and Garden City High School's Lauren Thompson (See photo).
- Commack High School student Aaron Damato won first-place in the Laboratory's Model Bridge Contest. More than 300 students from 18 high schools throughout Suffolk County entered their model basswood bridges in the contest with the goal of making the lightest bridge that held the most weight. Anthony Olivo, of Westhampton Beach High School, won second place; Zach Taber, a Patchogue-Medford High School student, won third place; and Daryl Gleiche, also of Patchogue-Medford, won the aesthetic prize for creating the most attractive bridge.
- Robert Moses Middle School students achieved first place recognition in four out of seven categories at the Laboratory's 14th Annual Middle School Magnetic Levitation Contest. Model magnetic levitation (maglev) vehicles were tested for speed, efficiency, and appearance. Maglev, the suspension, guidance, and propulsion of vehicles by magnetic forces, was invented and patented in 1968 by Laboratory scientists Gordon Danby and James Powell, both now retired.

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## Summer Sundays – The Coolest Place for Science Fun

- This summer, Brookhaven National Laboratory will again invite visitors to discover the magic of science each Sunday from July 11 through August 22. Each week, employee volunteers will host a tour highlighting a different world-class scientific research facility. A new exhibit on the 2003 Nobel Prize in Chemistry will be featured along with annual favorites like the Whiz Bang Science Show and a Camp Upton Historical Collection display. In addition, local high school students will demonstrate robots they built for a national competition.



Whiz Bang Science Show

- A new hands-on exhibition called “Light & Color” will offer a variety of interactive activities. View amazingly lifelike holograms, split white light into a rainbow of colors, discover the physics behind reflection, uncover the science of periscopes, test for color blindness and more in this fun and educational experience.

### July 11 Homeland Security

Experience a first look at the Laboratory’s contributions to this program. Special guest John Leinhard, National Public Radio’s host of “Engines of Our Ingenuity,” will also give a talk.

### July 18 Life Sciences

Explore the fascinating worlds of biological and medical research.

### July 25 Family Fun Day

Join in fun-filled demonstrations with the Laboratory’s Science Museum and guest partners from: L.I. Sciencenter, NY Hall of Science, Cradle of Aviation, and Goudreau Math Museum.

### Aug. 1 National Synchrotron Light Source

Discover how infrared, ultraviolet, and x-ray “light” is used by thousands of researchers, including this year’s Nobel Prize winner in Chemistry.

### Aug. 8 National Weather Service

Know your weather, what creates it, and how you can be prepared. Also, see a weather balloon launch at 3:30 p.m.

### Aug. 15 Fire, Security, Emergency Services and Construction Equipment

Learn more about safety in a fun-filled day with activities for all ages.

### Aug. 22 Relativistic Heavy Ion Collider

Tour the tunnel and experimental detectors that continue to explore cutting edge discoveries.

- Hours are between 10 a.m. and 3 p.m. Admission is free and no reservations are needed, but all visitors age 16 and over must bring a photo ID. The Laboratory is located 1½ miles north of the Long Island Expressway’s Exit 68.
- For more detailed information, please call (631) 344-2651 or visit [http://www.bnl.gov/bnlweb/summer\\_sundays.htm](http://www.bnl.gov/bnlweb/summer_sundays.htm) after May 15th.