Levy Town Meeting: Affordable Housing Key to L.I.'s Hi-Tech Economy

Suffolk County Executive Steve Levy hosted a town meeting in the Hamilton Seminar Room on Friday, September 7, to discuss the role of affordable housing in the County's vision of Long Island as a high-tech hub. Although most Suffolk County residents enjoy living on Long Island, surveys show that about 67-69 percent of people ages 18-34 are seriously considering leaving during the next five years, Levy said.

“Do you want to leave Long Island, or can we do something to keep you here?” Levy asked.

“I ask this question because I have a plan, and I think that we need to look at corralling high-tech workers,” the County Executive continued. “We can do a lot of things to bring more people into our workforce. But if we lose the people we have now, I think it will be really, really tough to get the kind of people we want here.”

To support this vision, BNL is helping to build the Long Island Energy Research Consortium (LIERC), which is expected to be a leader in clean energy industries.

“The work takes place at Brookhaven Lab, which is a long-time leader in clean energy, and BNL is really working with other institutions to develop the necessary infrastructures,” Levy said.

“I think that we can create the conditions to take the Long Island economy to a new level of development, and to help us become one of the world’s leading high-tech and clean energy hubs.”

In his new position, Levy is responsible for overseeing a $135 million annual budget and about 600 employees.

The directorate includes BNL’s Collider-Accelerator Department, Physics Department, Instrumentation Division, and Superconducting Magnet Division.

Steven Vigdor Named ALD For Nuclear & Particle Physics

Steven Vigdor, a former physics professor at Indiana University, has been named BNL’s Associate Laboratory Director for Nuclear & Particle Physics, effective September 1.

“In my new position, Vigdor is responsible for overseeing a 550-member team and annual budget of $135 million,” said Jonathan Norris, BNL’s Director. “He is a long-time partner of BNL in the world-class Relativistic Heavy Ion Collider (RHIC) and we are thrilled that he will be leading the lab’s nuclear and particle physics programs.”

Vigdor comes to BNL from Indiana University, where he was the Head of the Department of Physics. He has been a leader in a number of important scientific initiatives, including the Deep Underground Science & Engineering Laboratory (DUSEL), which is located near the Homestake Mine in South Dakota.

Vigdor is a leading expert in the field of neutrino physics, and he has made significant contributions to the understanding of the fundamental forces of nature. He has also been a vocal advocate for the development of new technologies and facilities to advance the field of particle physics.

Vigdor received his Ph.D. in physics from the University of California, Berkeley, and he has held a number of important positions at BNL, including the Head of the Department of Physics and the Director of the Nuclear Science & Technology Program.

Zinc Transporter Protein Structure Deciphered

The work was funded by the National Institutes of Health and by BNL’s Biology Department, which receives funding from the Offices of Basic Energy Sciences and Biological and Environmental Research within DOE’s Office of Science, and was published online by the Journal of Structural Biology on Thursday, August 23, 2007.

The study involved a zinc transporter protein taken from the common bacterium E. coli. “This protein is structurally and functionally related to zinc transporter proteins found in human cells and plants, and we will therefore be able to identify the role of zinc and these transporter proteins in a variety of human and ecological situations,” said Fu.

Ozeki, Harrison Awarded by IEEE

Satoshi Ozaki and Michael Harrison are IEEE Fellows and research associates at BNL who led the decade-long development and construction of the Lab’s world-class particle accelerator, the Relativistic Heavy Ion Collider (RHIC), were honored by the 2007 Particle Accelerator Science & Technology Award.

Sponsored by the Nuclear & Plasma Sciences Society of the Institute of Electrical & Electronics Engineers (IEEE), the award consists of $2,000, a plaque, and one complimentary ticket to the 2007 Particle Accelerator Conference (PAC) in Albuquerque, NM.

It is rewarding to receive this recognition from IEEE, ” said Ozaki. “Having been awarded the IEEE Fellowship, the financial support from IEEE, the idea to realization. I also thank those who gave us strong and steady support throughout the project, including the DOE Office of Nuclear Physics.”

“I am delighted to receive this award,” said Harrison.

“This project involved not only many scientists, engineers, technicians and support staff at Brookhaven, but also several successful partnerships with industry. All helped to achieve the goal of bringing RHIC online on time and within budget. RHIC has made possible new horizons in physics, and I am confident that many more important discoveries will be made at the world-class accelerator.”

BNL Students Win Poster Awards at 2007 Particle Accelerator Conference in Albuquerque, NM

Two graduate students from the Collider-Accelerator Department, Jun Tamura (left) and Farzali Lin, have won student poster awards at the Particle Accelerator Conference in Albuquerque, NM. (See story on page 2)

Steven Vigdor

BNL

LIVING WITH ZINC
**Flu Vaccine for Eligible Employees**

The influenza (flu) vaccine will be offered to all full-time and part-time eligible Lab employees beginning Tuesday, September 18, through Friday, September 28. If you are unavailable during this time frame, flu shots will be available at the Employee Health Clinic beginning Tuesday, September 18, through Friday, September 28. Please have your BNL I.D. badge available when you come for your flu shot. Shots will be available at the Clinic, Bldg. 490, Room G007. The flu vaccine is FREE.

To speed up the process, wear a short-sleeved shirt if at all possible. Also, do not call the Clinic to ask to receive your shot early.

Retirees, students, contractors, employees and family members should obtain flu shots from their personal physicians.

If you have any questions regarding the flu vaccine, call Ext. 3670 and speak to a nurse.

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**Particle Accelerator Conference 2007:**

**Two BNL Students Win Poster Awards**

Two graduate students from the Collider-Accelerator Department (C-A), Jun Tamura and Fanglei Lin, have won student poster awards at the Particle Accelerator Conference (PAC07) in Albuquerque. Tamura received a first-place poster award in the Nuclear and Plasma Sciences Division, while Lin received a first place poster award in the Nuclear and Particle Physics Division for her poster presentation on “The Importance of Testing Polarization.”

These two awards recognize the exceptional research and presentation skills of these BNL physicists and are a testament to the high level of research being conducted in the Collider-Accelerator Department.

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**CIGNA: Tuesdays, Bldg. 400**

A CIGNA Healthcare representative will be available on site in Human Resources, Bldg. 400, on Tuesdays, to assist with any claims questions that you may be unable to resolve yourself. Janice Petgrave will be available for 30-minute meetings, by appointment only, 10 a.m. - 1 p.m. Bring all pertinent documentation, to include a copy of your insurance card.

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**Steven Vigdor Named ALD**

Steven Vigdor, a professor in the university's Physics Department from 2000-2001, recently has been named interim director of the university’s Center for Cyclotron Facility. Vigdor has 34 years of experience in experimental nuclear physics, most recently at several DOE national labs, including Los Alamos, Argonne, and Pacific Northwest National Laboratory. He worked at BNL’s STAR experiment as one of four detectors at the lab’s Collider that tracks and analyzes thousands of particles that may be produced in each heavy-ion collision. Also, Vigdor served as deputy spokesperson for the five-hundred-member STAR collaboration, 2002-2005. In 2005, Vigdor was named associate laboratory director for BNL’s science division, which reports to the director of the laboratory. Vigdor is a fellow of the American Physical Society (APS) and has served on panels for both the APS and the Nuclear Science Advisory Committee of the Nuclear Physics Executive Committee.

**One-on-One Retirement Counseling**

A TAA-CREF consultant will visit BNL on Tuesday, 9/18, and Thursday, 9/27, to meet with employees facing their financial needs.

The consultant will help you understand the importance of protecting assets against inflation, find the right allocation for your assets.

For an appointment, call Su Leone, (666), 842-2045, Ext. 4601.

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**Zinc Transporter Protein Structure**

But too much zinc can be toxic. For instance, excessive zinc may cause seizures and problems with the deposition of amyloid protein plaques in Alzheimer’s disease.

Zinc transporter proteins are one of the major regulators of zinc levels. These proteins enable zinc to pass across the blood-brain barrier, moving zinc ions across this otherwise imperme- able barrier to maintain an opti- mal balance, or homeostasis.

Sometimes the transporter proteins of the zinc transporter family may lock it up within vesicles in the cells. In the brain, the transport of zinc from extracellular spaces called synapses. Failure of this transport mechanism has been identified as one of the leading causes of seizures. Another human zinc transporter involved in regulating insulin release has recently been identified as a clinical marker for type-2 diabetes — and is now a hot target for drug development.

We expect that transport- er proteins within the membrane makes them ideally suited for the transport of zinc, and also them particu- larly difficult to study. This is because zinc, a chemical element, has similar properties to those used by trans- porters and their use in this newly defined structural class.

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**CIGNA: Tuedays, Bldg. 400**

A CIGNA Healthcare representative will be available on site in Human Resources, Bldg. 400, on Tuesdays, to assist with any claims questions that you may be unable to resolve yourself. Janice Petgrave will be available for 30-minute meetings, by appointment only, 10 a.m. - 1 p.m. Bring all pertinent documentation, to include a copy of your insurance card.
Today, if you search for “thallium stress test,” you will find that many medical institutions continue to use this type of test on a regular basis. It shows how well blood flows to the heart muscle. It is useful to determine the extent of a coronary artery blockage, the prognosis of patients who have suffered a heart attack, etc.

In the 1970s, homogeneous thallium-201 had been available for five years. However, the availability of tracers, and by 1975 it was already being manufactured commercially.

Many BNL inventors have been granted the patent in their respective fields. However, the majority of inventors are associated with BNL departments to fund new scientific projects, additional graduate students, and educational efforts. The bulk of the funds from the patents is used to support inventors financially. A patent application costs $20, or sponsorship. For more information on the patent process so that U.S. industry could expect a smoother path to patent protection.

**Walkers Wanted for Cancer Research Walk, 9/30**

The annual 4.6 kilometer walk through historic areas of Stony Brook Village to raise funds for breast and prostate cancer research will be held on Sunday, September 30. BNL is a gathering to support the walk. The walk will include a registration form, walker sponsor sheet, and driving directions is available at www.bnl.gov/diversity/womansPrograms/default.asp#Walk_for_Beauty or by contacting Joyce Fortunato, Ext. 4229 or mortimer@bnl.gov, or government owned-contractor operated facilities to retain title to the patents and inventions. This policy has helped save countless patients and physicians, additional graduate students, and educational efforts. The bulk of the funds from the patents is used to support inventors financially.

**BNL Offers CPR/AED Training**

Every year over 500,000 die from cardiac arrest — and two out of three of these deaths occur before the victim reaches the hospital. Studies have repeatedly shown the importance of bystander Cardio Pulmonary Resuscitation (CPR) and automated external defibrillators (AEDs) within three-to-five minutes of collapse to improve survival from cardiac arrest. BNL now offers the American Heart Association’s (AHA) course in CPR. The course includes instruction on the use of the Automated External Defibrillators (AEDs) that are appearing around site. Trainers will receive an AHA card to show that they are qualified in CPR and in operating an AED. Such a card from a nationally recognized organization is required to operate an AED here on site and also anywhere off site, outside a home setting. AEDs are so effective and simple to use that the law now requires AEDs to be readily available to be purchased for home use without a doctor’s prescription.

**Defensive Driving Course in Two Parts, 9/20 & 27**

The six-hour Defensive Driving (Point & Insurance Reduction) course will be held for BNL, BSA, and DOE employees, facility-users, and families, in two parts, on Thursdays 9/20 & 27, in the Brookhaven Conference Center, 6 p.m.-9:15 p.m., at $38/person. Preregistration is required: leave a message at Ed Sullivan, 821-1011, including your phone number. For more information, call Sarah Wiley, Ext. 4207.

**Going Green, 9/20**

Peter Pohlot from the Environmental & Waste Management Division is a part of the staff and will be working as a workshop coordinator entitled “Going Green” that will be held on Thursday, September 20, 5:30-9 p.m. The workshop is part of a free seminar called “Helping Your Business Thrive” that is being sponsored by and held at The Town of Brookhaven. Other workshops include Gordin Raechke from Renewable Energy Long Island and John Kowalczyk from the Town of Brookhaven, Division of Waste Management.

All are welcome to attend the event and learn about the new energy saving tips. For directions and/or information, call Clough-Johnston, Ext. 3173.
Take Stock, Order Today, 9/14! BNLE warehouses close to take inventory for a week from end of business today, 9/14-21

The Procurement & Property Management (PPM) Division is announcing that the PeopleSoft inventory module will be unavailable and BNLE will operate in non-circulated mode until normal operations are resumed. The week-long shutdown will take place from end of business today, Friday, September 14, through Friday, September 21, so that the physical inventory may be taken. Pick tickets, purchase orders, and requests for quotation (RFQs) will be filled. During the period of closure, Mary Ellen Meter, Ext. 2979, will temporarily handle liquid nitrogen and helium requirements manually. Emergency requests for pickup must be directed to Ron Ondrovic, Ext. 4553, or George DiGangi, Ext. 2597.

Volleyball News

For its 2007-2008 season, the BNL Volleyball League resumes play on Monday, October 8. The league offers teams for players of every age level and skill level in the fun and friendly spirit! Players are invited to get warmed up for the season by playing open volleyball in the gym on Monday and Wednesday nights.

Volleyball Captains’ Meeting, 9/19

Captains interested in fielding teams for the league should attend the meeting on Monday, September 19, at noon in Berkner Hall, Room A. Bring a signed roster form with you. For more information, visit the league’s website at www.bnle.vb, or contact Bruce Bax, Ext. 4978, or Jennifer van Buren, or Travis Shry, Ext. 7451 or shrynbvl@gmail.com.

Living Better With Diabetes Talk, 9/17

A talk on “Diabetic Neuropathy & the Diabetic Foot, Prevention & Treatment” will be given by Deborah Lamondina, Clinical Manager, Diabetic Foot Care, BNL. It is open to the public on Monday, September 17, noon-1 p.m in Berkner Hall, Room B. All are invited to attend this educational session on the neurologically impaired foot in diabetics, and how to develop this important awareness. There will be a drawing for educational books. Registration is required. To register, contact Michael Thor, Ext. 8612 or mthor@bnl.gov. A complimentary refreshment will be served after the discussion.

LANS Dinner Meeting, 9/24

The next meeting of the Long Island Chapter of the American Nuclear Society (LANS) will be held on Monday, September 24, at 5 p.m. in the Main Bldg., 6th Floor, Conference Room. The speaker is Dr. William Stahl, Department of Physics and Astronomy, Stony Brook University. The topic is “At the Intersection of Physics and Biology: Studying the Cell in its Natural Environment.” The door will open at 4:30 p.m. for refreshments. This annual meeting is open to all and is free of charge. For more information, please visit: www.anss.org/ln/ln.html.

Motor Vehicles & Equipment

Vehicle & Motorcycles 00 HONDA CR-V 100 - great cond., $2,950.00, 2000mi. 411-4161. 03 FORD FOCUS - great cond., $950.00, 75,000mi. Standard, 5 spd automatic, single owner, fully serviced. 707-326-4556. 04 CHEVROLET SILVERADO 15 LS - Lo. mi., 5.3 liter, V8, 4 door, A/C, 1 owner. $17,500. 716-250-1234. 04 FORD F-150 XLT - 5.4 liter, V8, 4X4, 8 ft. bed, A/C, tow pkg., great cond., 90,000mi. $19,995. 229-420-3782. 04 FORD ESCAPE XLS - loaded, 4 door, V6, Auto, heated seats, leather, tow pkg., sat. radio, 100,000mi. $14,995. 229-420-3782. 99 CHEVROLET VENTURE - van, 3.4 liter, 5 spd, A/C, cloth seats, power everything, excellent cond., $4295. 774-7474. 03 CHEVROLET 3500HD - 6.0 liter, Auto, 8 ft. bed, A/C, tow pkg., leather seats, 86,000mi. $12,995. 716-250-1234. 99 CHEVROLET 3500HD - 6.0 liter, Auto, 8 ft. bed, A/C, tow pkg., leather seats, 86,000mi. $12,995. 716-250-1234. 97 FORD TAURUS - 5 cyl., Auto, 160,000mi. $1500. 774-7474.

Encyclopedia of BNL Biology

Academic Press, 2005. 622 pp. $215.00. ISBN: 0-12-579420-7. This book provides an updated and comprehensive compendium of the Biological sciences at BNL. Authors provide a collection of research highlights that reflect the institute’s scientific endeavors. The wide range of topics includes genetics, immunology, radiation biology, the application of biotechnology in medicine, and neuroscience. It is a primary reference for students of biology and related disciplines.

Lawn & Garden

Lawn Mowers

TECHNICAL SPECIALIST (ELECTRICAL) - B.S. in electrical engineering or equivalent. Will be responsible for the installation and support of stationary power generation systems, switching and distribution systems. Will perform equipment installation, testing, and preventative maintenance. Will provide technical assistance and training to field personnel. Requires between 2-5 years of electrical engineering experience. Send resume to Position No. TB 4630. TECHNICAL SPECIALIST (MECHANICAL) - B.S. in mechanical engineering or equivalent. Will be responsible for the installation and support of stationary power generation systems, switching and distribution systems. Will perform equipment installation, testing, and preventative maintenance. Will provide technical assistance and training to field personnel. Requires between 2-5 years of mechanical engineering experience. Send resume to Position No. TB 4630. TECHNICAL SPECIALIST (PUMPING) - B.S. in mechanical engineering or equivalent. Will be responsible for the installation and support of stationary power generation systems, switching and distribution systems. Will perform equipment installation, testing, and preventative maintenance. Will provide technical assistance and training to field personnel. Requires between 2-5 years of mechanical engineering experience. Send resume to Position No. TB 4630.

Lawn Mowers

Position Announcements

Classified Advertisements

Classified Advertisements

Open Recruitment

 Raequis (Ph.D in physical chemistry and/or physics, and/or Ph.D experience. Experience working at a synchrotron radiation beamline is desirable. Experience in the use of synchrotron radiation beamline performance simulation codes and x-ray beam intensity and angular distributions is desirable. The position involves flux analysis and modeling of a new beamline at BNL. A working knowledge regarding current research projects: the possible technological advances to be achieved/achieved. Under the direction of Professor Sarah Serlin, Center for Functional Nanomaterials, Department of Physics, Ext. 8475. Roll call bks., excel cond., $10/ea. lheady@bnl.gov, Ext. 4475. PIANO - upright, needs tuning, can help move. $50., Ext. 7451. GRAND PIANO - 8 ft., Prices, incl. thru-the-wall case, 10 yr., excel. cond. $700.00. Ext. 3720. TV AND RF MODULATOR - old 26" Sanyo synthetic, incl. manual, $150. Ext. 3621. CHARGER - for older Motorola Startac phone, no OS installed, $15. Ext. 3621. 97 CHEVROLET VENTURE - mini van, V6 engine, A/C, cloth seats, power everything, excellent cond., p/b, p/l, p/w, p/r, tow pkg., am/fm/cd sound syst. w/10 disc CD changer. 82K mi. $3995.00. 484-2990. 04 CHEVROLET SILVERADO 1500 LS - 8 ft. bed, V8, 5 spd auto, A/C, heated seats, Quadra Drive & prem. tires. $16,995. 727-420-2416. 04 FORD EXPLORER - 4 dr., V6, Auto, 4X4, 8 ft. bed, A/C, tow pkg., leather seats, 32,000mi. $15,000.00. 774-7474.

CAR AUDIO - for older Toyota Camry. Under dash, incl. subwoofer, amp, $300. Ext. 2079.

CAR AUDIO - for older Toyota Camry. Under dash, incl. subwoofer, amp, $300. Ext. 2079.

SHELTON - 4 bdrm., 2.5 bath Col., l/r, lg. lr w/fp, deck, 15 min to Lab, heat, elek, cable, central air, mod. sec., + util. $1,200/mo. 886-1545.

PARCHMOUTH - 1 bdrm., 1 bath, lg. poly, heat, elek, central air, sec. $550/mo. 718-746-3987. PLAINVIEW - 3 bdrm., 1 bath, 1 room, elect, cable, central air, sec. $850/mo. 718-482-1753. WOODHAVEN - pet, 2 bdrm., 1 bath, 1 room, heat, central air, sec. $1400/mo. 718-861-4573.

For Sale

Services

Computer Speaker Systems, with drivers and 3-way crossover, $160. Ext. 245. LIP-SEOK - 41 in. flat panel TV, Sony, w/new case, $5700. Ext. 4475. BARREL CHAIRS - 2, custom, swivel, beige edged w/gold braided trim & unbeatable comfort. $600. Ext. 7647. AREA RUG - 11 1/2'x8 1/2', beige w/muted purple tones, incl. thru-the-wall case, 10 yr., excel. cond. $550. Ext. 7066 or 344-1051. TV AND RF MODULATOR - old 26" Sanyo synthetic, incl. manual, $150. Ext. 3621. CHARGER - for older Motorola Startac phone, no OS installed, $15. Ext. 3621. 97 CHEVROLET VENTURE - mini van, V6 engine, A/C, cloth seats, power everything, excellent cond., p/b, p/l, p/w, p/r, tow pkg., am/fm/cd sound syst. w/10 disc CD changer. 82K mi. $3995.00. 484-2990. 04 CHEVROLET SILVERADO 1500 LS - 8 ft. bed, V8, 5 spd auto, A/C, heated seats, Quadra Drive & prem. tires. $16,995. 727-420-2416. 04 FORD EXPLORER - 4 dr., V6, Auto, 4X4, 8 ft. bed, A/C, tow pkg., leather seats, 32,000mi. $15,000.00. 774-7474.