

Mendez Named CFN Director

Emilio Mendez, a physics professor at Stony Brook University, has been named Director of the Center for Functional Nanomaterials (CFN), effective November 1.

Currently under construction, the CFN is one of five nanocenters supported by DOE and located at a national laboratory. Due to be completed by April 2007, the CFN will provide scientists from universities, industry and other laboratories with state-of-the-art facilities to study materials at nanoscale dimensions — typically, a few billionths of a meter, or about 10,000 times smaller than a human hair. The center is expected to eventually house about 100 researchers and support staff, and it will be used by up to 400 researchers annually, primarily from the northeastern U.S.



Emilio Mendez in front of the construction site of Brookhaven's Center for Functional Nanomaterials

"Nanomaterials are known in nature and have been used far back in history," Mendez said. "For instance, they are found in the wings of butterflies and in the stained glass windows of cathedrals of the Middle Ages. At the CFN, the primary goal will be to develop materials, tools and techniques on the nanoscale to address the energy needs of the U.S."

Materials in nanoscale dimensions may have different chemical and physical properties than bulk materials, and they could form the basis of new technologies. The CFN is expected to help solve the nation's energy problems by exploring materials that can convert energy more efficiently and by researching practical alternatives to fossil fuels, such as hydrogen-based energy sources and improved, more affordable solar energy systems.

After earning his undergraduate degree from the University of Madrid, Spain, Mendez came to the U.S. to continue his education in physics, earning a Ph.D. from the Massachusetts Institute of Technology in 1979. He then took a postdoctoral position at the IBM T. J. Watson Research Center in Yorktown Heights, New York, where he became a research staff member and eventually a member of the strategic planning group and a line manager. He joined Stony Brook University in 1995 as a physics professor, and in 2004 he became Director of the Undergraduate Program in the Department of Physics and Astronomy.

Mendez's research at IBM involved finding ways to make faster transistors and computer chips, as well as more efficient lasers. Currently, he is studying, among other materials, carbon nanotubes, cylindrical carbon molecules with novel properties that may enhance future electronic and optical devices. A Fellow of the American Physical Society, Mendez has received several awards for his significant scientific contributions, including the 1998 Prince of Asturias Prize and the 2000 Fujitsu Quantum Device International Award.

"Emilio's vision and interests are well-aligned with Brookhaven's broad strategic plans and, in particular, with our commitment to interdisciplinary nanoscience research in support of energy security," said Doon Gibbs, Associate Director for Basic Energy Sciences. "We are especially enthusiastic about his connection to Stony Brook University and the opportunity that offers to grow new and strong collaborations."
— Diane Greenberg

New Research Support Building Wins Admiration, Approval



At the ribbon-cutting ceremony for the new Research Support Building (RSB) and Open House Event held on Friday, October 27, John Yates, Infrastructure Division Director within DOE's Office of Science, wielded the scissors, flanked by: (from left) Gregory Flett, RSB Project Manager, Plant Engineering Division; Michael Holland, Site Manager, DOE Brookhaven Site Office; Sam Aronson, BNL Director; and Michael Bebon, BNL Deputy Director for Operations.

Thanks and applause for all who made the new Research Support Building possible were the order of the day at the ribbon-cutting and open house event held at the building on Friday, October 27. Michael Bebon, BNL Deputy Director for Operations; Sam Aronson, BNL Director; Michael Holland, Site Manager, DOE Brookhaven Site Office; and John Yates, Infrastructure Division Director within DOE's Office of Science, in addressing the more than 200 Lab community members present, congratulated all involved for a building that was not only completed on time and within budget, but, most importantly, was completed safely, with no lost-time injuries, and that is "green."

The RSB's "greenness," or environmentally friendly quality, is based on a rating system by the U.S. Green Building Council's Leadership in Energy & Environmental Design, also known as LEED. The building also tops New York State requirements for energy efficiency by 15 percent, and complies with National Environmental Policy Act requirements.

Aronson, in his remarks, gave special thanks to DOE and John Yates. The Science Laboratory Infrastructure Program of DOE's Office of Science funded the total cost of the \$13-million building. The 65,000-square-foot RSB will soon be home to about 150 employees who work in administrative and support

functions. Centralized in the building will be: a new guest, user and visitor center; the Housing, Transportation & Travel offices; the ID badging office; much of the Human Resources & Occupational Medicine Division; the Community, Education, Government & Public Affairs Directorate; the Fiscal Services Division; Internal Audit & Oversight; and the Teachers Federal Credit Union.

"The Research Support Building will provide the first sight of the Lab by new researchers and visitors, and it will make the process of people's coming or returning to the Lab much more efficient — a 'one-stop-shopping' experience, as some have said," Aronson commented.

(continued on page 2)

Additional Research Support Building Ribbon-Cutting Ceremony Pictures Inside . . .



419th Brookhaven Lecture, 11/15

Hahn on Neutrino Science: Past, Present, Future

By his close involvement in experiments that helped to solve the Solar Neutrino Puzzle — the mysteriously "missing" one-third of the neutrinos emitted by the sun that was first established by BNL's Ray Davis, winning Davis the Nobel Prize in Physics — and by his continuing work on the latest neutrino physics studies, Richard Hahn of the Chemis-

try Department has been a BNL neutrino specialist for the past two decades.

On Wednesday, November 15, Hahn will present the 419th Brookhaven Lecture, "The Past 20 Years in Neutrino Science: Where Have We Been? Where Do We Go From Here?" The lecture will be given at 4 p.m. in Berkner Hall, and the speaker will be introduced by Chemistry Chair Alex

Harris. All are welcome to this free lecture, open to the public. Visitors to the Lab of 16 and over must bring a photo ID.

In 1986-87, when Hahn came to BNL, only two neutrino experiments were operating: Davis's chlorine-37 radiochemical neutrino detector in the U.S., and the real-time detector, Kamiokande, in Japan. Hahn led the BNL effort in two significant follow-up solar neutrino experiments, GALLEX in Italy, and SNO, the Sudbury Neutrino Observatory, in Canada.

SNO solved the Solar Neutrino Puzzle, as Hahn will explain, ending an era of discovery and marking the start of the present neutrino R&D era, that focuses on determining detailed properties of neutrinos and how they oscillate, or transform, from one neutrino type to another. Hahn will discuss ideas for new precision neutrino

(continued on page 2)



Richard (Dick) Hahn with samples of gadolinium-loaded liquid scintillator (LS), that he and his BNL colleagues, Minfang Yeh and former postdoc, Alex Garnov, have developed as antineutrino detectors. The blue samples on the table and in Hahn's right hand contain fluorescing compounds in order to shift the emitted light into the blue region, so it can be easily detected. The colorless sample in his left hand does not contain the wavelength shifter.

Refreshments will be offered before and after the lecture. Those who wish to join the lecturer for dinner at a restaurant off site after the talk may call Linda Sallustio, Ext. 4303, or lsallust@bnl.gov.

CALENDAR

OF LABORATORY EVENTS

- The BERA Store is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347, or Christine Carter, Ext. 2873.
- Additional information for Hospitality Committee events may be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building #317 (Rec. Hall) is located in the apartment area.
- Contact names are provided for most events for more information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Weekdays: Free English for Speakers Of Other Languages Classes

Beginner, Intermediate, Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule.html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

Mondays: Pilates/Yoga
12:15 p.m., Rec. Hall. Ext. 5090.

Mondays & Thursdays: Kickboxing
\$5 per class. Noon-1 p.m. in the gym. Registration is required. Christine Carter, Ext. 5090.

Mon., Tue. & Thu: Ving Tsun Kung Fu
Noon-1 p.m., Brookhaven Center, North Room. Taught by Master William Moy. Tuition. Scott Bradley, Ext. 5745 or bradley@bnl.gov.

Mon., Thurs., & Fri.: Tai Chi
Noon-1 p.m., Brookhaven Center North Rm. Adam Rusek, Ext. 5830, rusek@bnl.gov.

Tues. & Thurs: Jazzercise
Noon, Rec. Hall. Ext. 5090.

Tuesday & Thursday: Aerobic Fitness
5:15 p.m., Rec. Hall. 10 classes for \$40 or \$5 per class. Pat Flood, Ext. 7866, flood@bnl.gov.

Tuesday & Thursday: Aqua Aerobics
5:15 p.m., Pool. Ext. 5090.

Tuesdays: Welcome Coffee
10 a.m.-noon, apartment area gazebo. First Tuesday of every month is special for Lab newcomers and leaving guests. Lisa Yang, 979-3937.

Tuesdays: BNL Music Club
Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club
6:30-7:30 p.m. Gym. All levels, ages 6 and above. \$10/class. Tom, Ext. 4556.

Tuesdays: Toastmasters
1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, Room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmstrs/.

Tue., Wed. & Thu: Rec Hall Activities
5:30-9:30 p.m. General activities, TV, ping pong, chess, games, socializing. Christine Carter, Ext. 5090.

Wed. & Fri: On-Site Play Group
10 a.m.-noon, Recreation Bldg. An infant/toddler drop-in event. Parents meet while children play. Petra Adams, 821-9238.

Wednesdays: Ballroom Dance Class
Brookhaven Center, N. Ballroom. Instructor: Giny Rae. Arup Ghosh, Ext. 3974; Donna Grabowski, Ext. 2720; or Vinita Ghosh, Ext. 6226.

Wednesdays: Weight Watchers
Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Yoga
Noon-1 p.m., B'haven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Wednesdays: Pilates/Yoga
5:15 p.m., Rec Hall. Ext. 5090.

Thursdays: Reiki Healing Class
Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholz, Ext. 2027.

Fridays: Family Swim Night
5-8 p.m. BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club
Noon-1 p.m., Brookhaven Center, South Room, free beginners dance lessons. 7-11:30 p.m. North Ballroom, Dance Social, workshops. Rudy Alforque, Ext. 4733, alforque@bnl.gov.

CIGNA at BNL, Mondays

On Mondays, 10 a.m.-1:30 p.m., Janice Petgrave, CIGNA, will be available by appointment only to assist CIGNA participants with claims issues that they have been unable to resolve themselves. To schedule a 30-minute appointment in Bldg. 185, call Linda Rundlett, Ext. 5126. Bring all pertinent documentation to the meeting.

New Research Support Building Wins Admiration, Approval

(cont'd)

Designed by Ehasz Giacalone Architects of Farmingdale, NY, the two-story building features a glass atrium-style lobby connecting two wings of offices covered by a metal panel facade. STV Incorporated, Manhattan, provided engineering services. E.W. Howell, of Woodbury, NY, is constructing the building, and Horizon Engineering, Manhattan, is providing commissioning services to verify that all equipment and systems are operating properly prior to occupancy.

Others who were especially thanked for their essential contributions to the work included RSB Project Manager Gregory Flett of the Plant Engineering Division; Joseph Eng of the DOE Brookhaven Site Office, who oversaw the project for DOE; Jim Tarpinian, Assistant Laboratory Director for Environment, Safety, Health & Quality; the Plant Engineering Division; the Procurement & Property Management Division; and all others who were essential to the project's successful outcome.

After the ribbon was cut, attendees streamed into the RSB to admire the spaciousness and light of the atrium-lobby, view the office areas, and savor light refreshments. All took the advice of DOE's John Yates, who had not only funded the building, but also had personally approved its "nontraditional" architectural design. Yates concluded his congratulatory remarks by saying, "Let us enjoy this building." — Liz Seubert

Note: Additional Research Support Building information is available on the BNL Intranet at <http://intranet.bnl.gov/intranews/RSB.asp>.

Roger Stoutenburgh D9821006



Roger Stoutenburgh D10491006



Michael Herbert D9851006



Michael Herbert D9471006



Michael Herbert D9851006



English for Speakers Of Other Languages: Monday Lunchtime Classes Begin, 11/13

A new, six-week series of Monday lunchtime classes in English for Speakers of Other Languages (ESOL) at the intermediate level will start on Monday, November 13, from noon to 1 p.m. in Berkner Hall, Room D. These informal classes will include grammar, pronunciation, listening and speaking practice, plus information about American culture. Participants are encouraged to bring their lunch. These free classes will be instructed by BNL's ESOL Program Coordinator Jennifer Lynch, who holds a masters' degree in linguistics, with a focus on teaching ESOL. To register, contact Lynch at lynch@bnl.gov or Ext. 4894.

Weight-Watchers Registration, 11/8

Registration for the next ten-week WeightWatchers series will be at noon on November 8 at the Brookhaven Center. The cost will be \$99 for the series.

Benefits Open Enrollment Ends Today

For all changes or sign-up for medical, dental, flexible spending accounts, or vacation buy plan benefits: the deadline is today

Today, Friday, November 3, is the last day of Open Enrollment for benefits for 2007. If you want to make changes to your medical and/or dental coverage, or sign up for the flexible spending accounts or the vacation buy plan, you must do so today. More information is available through the Benefits Office, Ext. 2877 or 7516.

BSA Noon Recital

Baroque Masterpieces From European Capitals, 11/15

On Wednesday, November 15, at noon in Berkner Hall, the Stony Brook Baroque Players under the direction of Arthur Haas will present a virtuoso concert of vocal and instrumental music on both period and modern instruments. Featured composers will include Couperin, Lully, and Telemann.

Sponsored by BSA, the company that manages BNL,



Arthur Haas

noon recitals are free and open to the public. Visitors to the Lab must bring a photo ID.

BNL Lecture (cont'd)

experiments, some of which involve collaborative efforts of his group in the Chemistry Department and colleagues in the Physics Department.

Senior Chemist Richard Hahn earned his Ph.D. in nuclear chemistry from Columbia University, having done his thesis research at the BNL 60-inch cyclotron. His first appointment at BNL was as a postdoctoral research associate in 1960; he then returned to join Chemistry in 1987 to lead the U.S. team in the GALLEX collaboration and later led the BNL SNO team. His honors include the Brookhaven Distinguished Research & Development Award in 1998 and the American Chemical Society's Nuclear Chemistry Award in 2000.

— Liz Seubert

Veterans' Day Holiday

BNL will be closed on Friday, November 10, in observance of Veterans' Day. No Bulletin will be printed: the next issue will appear on November 17.

BNL To Honor Veterans' Day

This group of BNL employees, who are also American Veterans, will mark Veterans' Day and honor all American vets with a celebration at noon on Thursday, November 9. The ceremony at the Brookhaven Center flagpole will be traditional in style and will include bugle call and the placement of an honor wreath. The event is open to all employees and will be held rain or shine. BNLees who currently have close family members serving in the military, and who wish to be included in the honor ceremony, should contact: Don Farnam, Ext. 8248, farnam@bnl.gov; Michael Paquette, Ext. 5891, mpaquette@bnl.gov; or Peter Palamidis, Ext. 2462, palamidi@bnl.gov.



Roger Sloutenburgh D10831006

Vanguard One-on-One Retirement Planning

The Vanguard Group invites you to spend 45 minutes one-on-one with a licensed Vanguard representative at BNL to talk about financial issues, on Friday, December 1. You may learn about: investing for long-term goals such as retirement; selecting funds for your savings; and making the most of the services and investment tools available to you. Schedule your session online at www.meet-vanguard.com or call 1-800-662-0106, Ext. 14500.

TIAA-CREF One-on-One Retirement Counseling

A TIAA-CREF consultant will visit BNL on Monday, 11/6, Wednesday, 11/8, Monday, 11/20, Tuesday, 11/21, Monday, 11/27, and Wednesday, 11/29, to answer employees' questions about financial matters. The consultant will help BNLees to understand the importance of protecting assets against inflation, find the right allocation mix, learn about TIAA-CREF retirement income flexibility, and compare lifetime income vs. cash withdrawal options. For an appointment, call Arlene Lyons, (866) 842-2053, Ext. 4629.

BWIS Reception, Scholarship Presentation, 11/30

Brookhaven Women in Science (BWIS) invites the BNL community — employees, facility users, visitors, guests, and their families — to a Wine & Cheese Reception and presentation of the Renate W. Chasman Scholarship for Women, on Thursday, November 30, from 5:15 to 7 p.m. in the Physics Seminar Lounge, Bldg. 510.

BWIS holds the wine & cheese event annually to thank all who have helped with and supported BWIS programs, welcome new members, and introduce the new executive board to the Lab community. The group's primary mission is to promote the advancement of women in the scientific professions. For more information, contact Loralie Smart, Ext. 2425.

BNLees' Night At Sam's Club, 11/12

Through BERA, Sam's Club is offering an exclusive special shopping night for BNLees to get ahead on their holiday shopping at the Medford, NY, store. The store will be open on Sunday, November 11, 7-9 p.m., only for BNL employees and their families and friends. Bring your BNL badge.



Arrivals & Departures

— Arrivals —

- Charles Black..... CFN
- Jingyi Chen CMP&MS
- Nancy Cooley HR/OM
- Jesse Fite..... C-AD
- Ioana Gearha NSLS
- Emilio Mendez CFN
- Girish Mishra..... Biology
- Viswanath Ravindranath ...NSLS-II

— Departures —

- Robert Kaszuba..... PPM
- Sang-June Park..... Medical
- Marcelo Vazquez Medical

ANS Meeting, 11/14

At the next meeting of the Long Island Chapter of the American Nuclear Society, on Tuesday, November 14, the speaker, Thomas Graham, of the Department of Nonproliferation & National Security at Brookhaven National Laboratory, will talk on "The A.Q. Khan Network and Implications for Nuclear Terrorism."

The meeting will be held at the Brick House Brewery and Restaurant, 67 W. Main Street, Patchogue. Complimentary appetizers/cash bar will start at 6 p.m., and dinner at 7 p.m. Graham's talk will begin at 8 p.m. The cost is \$22 per person. Reserve by Monday, November 13, by calling Arnie Aronson, Ext. 2606, and leaving a voice message.

BNL Bike Team Raises \$4,000+ for MS Research

In the early morning hours of Sunday, October 15, an intrepid team of cyclists from BNL gathered with several thousand other riders on a west Manhattan pier for the start of the 22nd Annual New York City MS Bike Tour.

A dozen members of BNL's Asymptotic Freedom Riders, most of them clad in stylish custom team jerseys, completed courses of 30, 60, and even 100 miles in the crisp fall weather. Support

* Note: For information on the BNL Volunteers in Partnership program and its support of BNL employees' volunteer efforts, contact Barbara Blenn, Ext. 4458 or blenn@bnl.gov.



The 2006 Asymptotic Freedom Riders (from left): Percy Zahl, Peter Steinberg, Marie Van Buren, Dantong Yu, Jan Ingo Flege, Gene Van Buren, Erik Muller, Yizhi Meng, and Ofer Rind. Riders not pictured: Arthur Sedlacek, Jonathan Stern, David Zimmerman

CALENDAR

— THIS WEEKEND —

Friday, 11/3

BSA-Sponsored Pegram Lectures
Berkner Hall: 11 a.m., "The Pyramid and the Ring;" 4 p.m., "Picturing Objectivity." Peter Galison, Harvard University, will give these two free talks, open to the public, on the history and philosophy of physics. Visitors 16 & over must have photo ID.

Saturday, 11/4

Diwali, Festival of Lights
2:30 p.m. Berkner Hall. The BERA Indo-American Association, with guest of honor Sharda, will celebrate the culture of India. Short "Science @ BNL" videos in the lobby will inform the community, arouse interest in science.

— WEEK OF 11/6 —

Tuesday, 11/7

Sprint Wireless Demo
11 a.m.-2 p.m., Berkner Hall. Representatives from Sprint/Nextel will present BNLees with discounts on Sprint's products and monthly service plans. Jamie Addeo, (914) 407-7132, jamie.addeo@sprint.com.

Thursday, 11/9

***Veteran's Day Ceremony**
Noon. Brookhaven Center Flagpole. See notice above, left.

CAC Meeting
6:30 p.m., Berkner Hall, Room B. The Community Advisory Council members are in business, civic, education, employee, environment and health organizations, meeting monthly, setting their own agenda, and working to reach consensus recommendations on issues of concern to them. All are welcome. Each meeting has a period for community members to voice opinions, concerns. Sherry Johnson, Ext. 5658.

Sunday, 11/12

***BNLees' Night at Sam's Club**
7-9 p.m. Sam's Club, Medford. See notice at left.

— WEEK OF 11/13 —

Wednesday, 11/15

***BSA Noon Recital**
Noon. Berkner Hall. BSA-sponsored free public recital by Stony Brook Baroque Players. Visitors 16 and over must bring photo ID. See page 2.

***419th Brookhaven Lecture**
4 p.m. Berkner Hall. Richard Hahn, Chemistry Department, on "The Past 20 Years in Neutrino Science: Where Have We Been? Where Do We Go From Here?" Visitors 16 and over must bring photo ID. See page 1.

Thursday, 11/16

ANSYS Presentation
1 p.m. Berkner Hall, Room B. Tony Solazzo, Computer Aided Engineering Associates, Inc. (CAEA), will present the latest in recent and future releases of ANSYS, an engineering simulation tool used at BNL. He will review the current status of licenses here and answer questions. For more information, call Susan Wong, Ext. 7988.

— WEEK OF 11/27 —

Thursday, 11/30

***BWIS Reception, Scholarship**
5:15-7 p.m. Physics Seminar Lounge Bldg. 510. Brookhaven Women in Science (BWIS) Wine & Cheese Reception, presentation of Chasman Scholarship. See notice at left.

Saturday, 12/2

***Nutcracker at NYC Ballet**
BERA trip to 2 p.m. show in NYC. \$80, buy at BERA Store.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

Roger Sloutenburgh D10831006

Classified Advertisements

LABORATORY RECRUITMENT - Opportunities for Lab employees.

NS4418. SR. STAFF SPECIALIST (EMPLOYEE/LABOR RELATIONS) (A-8) - Requires a bachelor's degree (an advanced degree preferred), ten years' progressive experience, excellent written and oral communication skills (including confrontation skills) and a proven track record in following through on tasks and maintaining confidentiality. The ability to multi-task in a rapidly changing environment, the ability to analyze issues, and a thorough knowledge of Laboratory policies and practices in order to arrive at equitable solution is also required. Certification in HR areas and HR coursework, in-depth knowledge of resolution procedures, including legal aspects, familiarity with employment and labor law and prior supervisory skills, and previous experience working in a union environment are highly desirable. Under broad direction, administers assigned functions in Employee and Labor Relations. Interprets and provides guidance on the application of HR policies. Resolves employee and labor issues with employees and managers. Prepares new HR policies and procedures and supporting documentation. Develops, implements and manages programs to enhance work life, including service awards and employer assisted housing. Conducts investigations, prepares and maintains documentation for labor relations proceedings. Human Resources & Occupational Medicine Division.

RM3727. ADMINISTRATIVE SECRETARY (A-2 - part-time 60-75%) - Requires formal secretarial training, 4 years' experience in a secretarial or office administration role, and a thorough knowledge of Laboratory policies and procedures. Excellent oral and written communication skills and proficiency with Word, Outlook, PeopleSoft Financials, Guest Information System (GIS) and Credit Card System is also required. Will interact with personnel both inside and outside the Laboratory to arrange workshops, meetings and travel (domestic and foreign). Must exercise initiative, good judgment, and function as a team member. Will provide administrative and technical support to Division Head and staff that will include preparing appointment packages for visitors and guests; maintaining group/project files; ordering supplies, computer equipment and software. Energy Sciences & Technology Department.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

MK3595. RESEARCH ASSOCIATE - Requires a Ph.D. and several years' experience in the field of high-energy or relativistic heavy ion physics. Knowledge of offline and online software at the infrastructure and application software levels for modern physics detectors is highly desirable. Research will be the STAR detector experiment at the Relativistic Heavy Ion Collider (RHIC) to search for a new state of matter thought to have existed shortly after the creation of the universe. Will work on the planned monopole experiment at RHIC. Under the direction of T. Hallman. Physics Department.

RM3454. TECHNOLOGY ANALYST (I-9) - Requires a bachelor's degree in computer science, engineering, or a related discipline, and/or at least 10+ years of relevant experience. This position requires expert experience in configuring, administering, patching, securing, and performance tuning a variety of UNIX-like platforms including, but not limited to, Linux (RedHat, Debian and derivatives), Solaris, and AIX. Must have working knowledge of shell/PERL scripting for process automation. Must possess ability to generate creative solutions to atypical problems independently using open source technologies in a fast-paced and dynamic environment. Must be able to evaluate new technology solutions thoroughly and make recommendations on hardware and software configurations based on a breadth of experience in an enterprise IT industry. Proven skills in architecting infrastructure systems, such as DNS, LDAP, SMTP, proxies, and other standard services a must. Responsibilities include but are not limited to architecting and designing infrastructure solutions, designing enterprise-level solutions for configuration management, mentoring junior staff, and routine systems administration. This position requires some rotating off-hours support. Scripting skills in Python, PHP or other languages a plus. GCUX/LPI/RHCE certification a plus. Information Technology Division.

RM4308. ADVANCED APPLICATIONS/SOFTWARE ENGINEER (I-7, term appointment) - Requires an advanced degree in computer science or in the physical sciences with at least five (5) years' experience in scientific computing, and advanced knowledge of C++, Linux and scripting languages. Experience in distributed processing and/or data management strongly preferred; grid computing experience an asset. In addition, experience with working collaboratively on large projects preferred and ability to work in this en-

vironment essential, as is an interest and aptitude in user support. Background in high energy or nuclear physics an asset. Responsibilities will include participating in the development and support of distributed processing and data management systems for the ATLAS experiment and the Open Science Grid (OSG), in support of distributed data analysis by ATLAS and other OSG science communities. Physics Applications Software (PAS) Group/Physics Department.

TB4246. HEAVY EQUIPMENT MECHANIC-OPERATOR - Under minimum supervision, maintains, operates, and repairs all material handling, earth moving, grounds and similar equipment, including complete repair and maintenance of gasoline and diesel engines and the use of required machine tools. Plant Engineering Division.

NS4365. TRAFFIC MANAGER (A-9) - Requires a bachelor's degree in transportation, logistics or business related field, minimum ten (10) years' transportation/logistics experience, minimum five years of supervisory experience and thorough knowledge of DOE rules and regulations. Certification for IATA DGR and DOT Haz Mat highly desirable or obtained within year of employment. Excellent oral and written communication skills, good analytical, negotiating and problem solving skills, operational experience to maintain current programs and implement change when needed, strong managerial and leadership capabilities with ability to communicate effectively with staff and management at all levels is necessary. Proficiency with Word, PowerPoint, Outlook and Excel and experience with logistics and supply chain technologies and tools, transportation management and optimization software also required. Must be a forward thinker with the ability to anticipate and correct problems, demonstrate a solid customer focus and have a highly organized mind with ability to multi-task, meet tight deadlines, and adjust priorities on demand. Prefer experience with ERP software (e.g. PeopleSoft) and related integration of Transportation Management applications. Primary responsibilities include managing day-to-day workflow of employees; training, motivating and disciplining assigned employees, resolving issues resulting from loss, damage and/or overcharges, serving as subject matter expert on regulations such as hazardous material packaging and shipping, negotiating transportation rates and agreements with commercial carriers, reviewing and approving freight bills for all transportation charges, administering the receiving and distribution of purchased materials, developing transportation network including inbound, outbound, interplant, import and export freight movements, developing continuous improvement program to increase efficiency, reduce costs and improve customer service. Procurement & Property Management Division.

Motor Vehicles & Supplies

04 CHEVY S10 PICKUP - crew cab, black, 4wd, all pwr., tow pkg., 6 CD chgr, hwy. mi. 60K mi. \$12,500/neg. 631-821-1271.

03 HYUNDAI TIBURON - 6-spd manual transm., sports pkg., fully equipped, excel. cond. 30K mi. \$13,000. Ext. 5149.

02 BUICK LESABRE CUSTOM - V6, good gas mileage, new tires & breaks, all pwr. 48K mi. \$7,900/neg. Joe, Ext. 4618.

01 HONDA CIVIC EX - silver w/gray int., loaded, new tires, 1.7 V-Tech motor, a/t, prof. maint. 63K mi. \$9,200/neg. 689-8134.

00 MERCURY SABLE LS - dk blue, gray ltr. int., 3L DURATEC V6 engine, loaded, looks great, runs excel. 145K mi. \$4,200. Ext. 4748.

00 TOYOTA SOLARA SE - orig. owner, excel. cond., needs nothing. 89K mi. \$8,995. 680-5645.

00 HYUNDAI ELANTRA - GLS wgn, 4cyl., 2L, 4dr, a/t, a/c, p/s, p/w, p/l, am/fm, dual air bags, gd cond. 127K mi. \$2,800. Ext. 3319.

99 JEEP GRAND CHEROKEE LTD - v.gd. cond., loaded, new rebt a/t, V8, 4.7L, sunrf, 10CD, lthr. int. 92K mi. \$7,850. 360-8874.

99 HYUNDAI ELANTRA SEDAN - 4cyl., 2.0 I, 4dr., a/t, a/c, p/s, p/w, p/l, am/fm, cass., air bags. 58K mi. \$3,750. Stefan, Ext. 7394.

98 JEEP WRANGLER SPORT - Soft top, grt shape, CD. New batt., tires, rad., w/shield. 116K mi. \$6,500/neg. 206-356-6612.

98 PLYMOUTH GRAND VOYAGER - Orig. owner, runs well, body fair. A/C, p/w, p/drs, p/locks, c/c. 95K mi. \$1,500/neg. Ext. 4229.

97 CHEVY ASTRO MINI VAN - quad capt seats, rr bench/bed seat upgrade int., 6cyl, a/t, 39K mi. \$6,500. Ext. 7861 or 849-2329.

94 TOYOTA CAMRY - LE, 4 dr, Auto, A/C, airbags, runs well, minor body dmge on pass. side. 161K mi. \$1,300. Ext. 7263.

92 SAAB 9000 TURBO - Gd station car, 24 mpg, nds work. 162K mi. \$850/neg. 379-4036.

90 HONDA ACCORD LX COUPE - a/t, a/c, am/fm/cass. new exh. sys., frt/rr brakes, belt, dealer serv. \$1,300. 751-8403.

90 HONDA ACCORD - LX, 2dr coupe, 5spd, a/c, am/fm/cd, p/l, p/w, new exh, bushings, some rust. 150K mi. \$700/neg. Ext. 3225.

89 FORD F-250 - ext. cab, 4X4 Lge dent on rt fender, otherwise body OK. Excel. running condition. \$500/neg. 929-0123.

Furnishings & Appliances

ANTIQUER STEAMER TRUNK - In good shape, but needs TLC. L. Simons Mfg. \$30. pics avail. Donna, Ext. 2826.

BEDROOM FURNITURE - girl's white oak desk w/hutch and matching head headboard \$175. Tom, Ext. 3085 or 744-4535.

DINETTE TABLE - 41" round w/wood grain laminate top. Has two 8" extensions. No chairs \$50. Rolf, Ext. 2305.

FUTONS - 2, wooden, \$30/ea; 1 twin size bed, \$250; both gd. cond.; 4 drwr desk & chair, excel. cond., \$50. 871-3533.

LEATHER COAT - men's, black w/zip-out winter lining, XL, waist lgth, \$25. 803-0506.

REFRIGERATOR - GE 23.6 cu. ft, top frzr., About 10 yrs old. Works, looks perfect. \$125.00. James, Ext. 4026 or 872-8966.

SOFA - sectional w/2 recliners and sofa bed, pastel colored, ask \$400. 849-4933.

SOFA & LOVESEAT - Trad. off-white with queen bed & matching pillows. \$400 both o.b.o. You p/u. Photo avail. Ext. 2816.

Audio, Video & Computers

CAR STEREO - DuraBand, in dash, CD/MP3/CDR/CDRW playback w/MP3 display, 45Wx4, \$120. 434-5824.

CAR STEREO - Pioneer, 50W/channel, CDR/RW/MP3/WMA playback, satellite & iPod compat. \$180. Laura, Ext. 7842.

NINTENDO DS - blue or silver excel. cond. \$75 each. 516-480-3566.

SPEAKER/AMPLIFIER CHAIR - "game" chair for video games and computer desks, William, Ext. 7139 or 443-799-2571.

STEREO SYSTEM - Sharp SX-9860, hi-pwr stereo control amplifier, tuner, cass., 5-disc player (faulty, fixable), 3'5" tall. Ext. 3807.

TV & STAND - Mitsubishi 35". Good condition. Asking \$300. Stephen, Ext. 2897.

XBOX - Xbox 360, \$350; iPod w/80Gb HD, \$300; http://tinyurl.com/s24wt for details, pics. Warren, Ext. 2080 or 751-5245.

Sports, Hobbies & Pets

ANTIQUER MASON JARS - BALL Ideal & Atlas EZ, all sizes, -250. \$18/doz or \$245/all. Blue jars sold sep, you pick up. 803-0506.

ELLIPTICAL TRAINER - Eclipse 1100HR, barely used, list \$349, sell \$250. 265-5933.

EXERCISER - NORDIC RIDER by Nordic-Track \$50 or best offer, must get rid of. Tom, Ext. 3085 or 744-4535.

PIANO - Sohmer 1980's vertical model, just tuned. Ask \$700. Lisa, 748-0141.

TICKETS - 4 to the Wiggles, Friday, 10/27 at MSG 2 p.m. Elena, 744-2040.

WANTED - Mets fans to share 2007 season tickets plans. John, Ext. 2745.

Tools, House & Garden

CHIPPER SHREDDER VACUUM - 4.5hp Briggs&Stratt-22 In. clearing width. 2 bushel r bag. 8:1 red. ratio. \$250. 513-5162.

PRESSURE WASHER - Karcher elect.mdl K3.97M, 1600 psi, in sealed box, \$200 value for \$125. Ext. 2604 or 473-2473.

Miscellaneous

AQUARIUM - 45 gal., w/all access w/built oak stand, mtching canopy, \$255. 886-1182.

BASEBALL CARD COLLECTION - 1980-2000, make offer. 981-5993.

CASSETTES - 45 8-track, Neil Diamond, Diana Ross, Lou Rawls, Frankie Lane, Tom Jones, E. Humperdink, b/o. 981-5993.

COMFORTER SET - full size, little used, excel. shape, S/western design, comforter, 2 shams, dust ruffle, pics avail. Ext. 2826.

ELECTRIC POWER SCOOTER - 300 lb. cap., bskt in fr., cane holder, bit-in batt. chrg. ideal for handicap, must sell. 981-5993.

TICKETS - 2 Andrea Bocelli at Madison Sq. Gd.n. Section 422 Seat E9&10, Thur. 11/30, 8 p.m. \$183/both. Tony, Ext. 4035.

TRACTOR - John Deere 1941 Model A, restrd to new cond., converted to 12 volts, incl. JD 2 bttm plow, \$4,449. 886-1182.

Wanted

CARPOOL - Starting Nov. 6th. From around Lab to I-495 Exit 49S in the morning, back after 5 p.m. 832-766-8918.

CHASSIS MOUNT FOR SNOWPLOW - for 95 Ford half ton to western snowplow (frame mount). Joe, Ext. 7796 or 831-4830.

DELL AC ADAPTOR FOR NOTEBOOK - DELL ADP-70EB(PA-6 Family) AC Adaptor for Inspiron 4000 laptop notebook. Call or email jchai@bnl.go. Jin, Ext. 3419.

FREE TURKEY COUPONS - King Kullen coupons for donation to area food pantries & soup kitchens. Send to M. Beckman, B-120. Ext. 5483.

HOUSE CLEANER, PART-TIME - Wanted for one day every 2 wks, female house cleaner, for home in S. Patchogue. 475-7733.

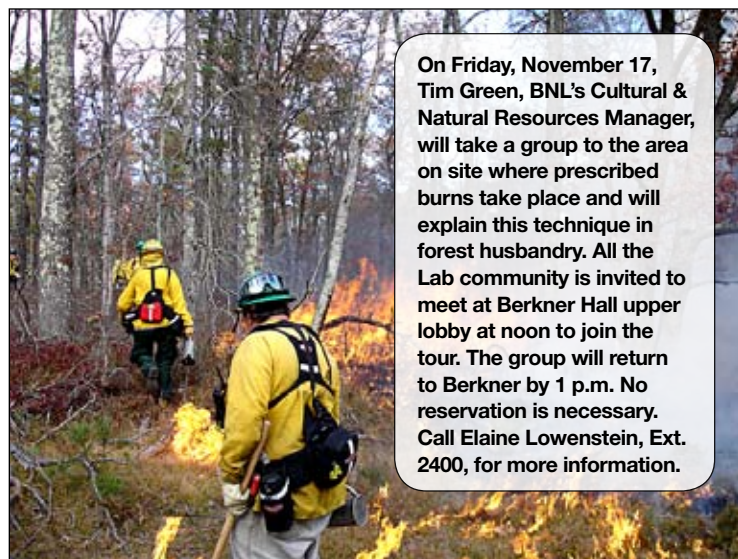
LEAF SWEEPER - to tow bhind lawn tractor, 38"-42" needed, reasonably priced. Ext. 7861.

OLD COMPUTER - Throwing out an old computer? Give it to me. Old p2 or p3 wanted. Courtney, Ext. 3018 or 347-453-5749.

REFRIGERATOR - large clean working refrigerator for free, for coffee room, will arrange pick up. Michael, Ext. 7861.

Employee Lunchtime Tour

A Burning Lesson in Forestry, 11/17



On Friday, November 17, Tim Green, BNL's Cultural & Natural Resources Manager, will take a group to the area on site where prescribed burns take place and will explain this technique in forest husbandry. All the Lab community is invited to meet at Berkner Hall upper lobby at noon to join the tour. The group will return to Berkner by 1 p.m. No reservation is necessary. Call Elaine Lowenstein, Ext. 2400, for more information.

BNL Social & Cultural Club Dance, 11/17 Tribute To Count Basie, Big Bands

The Jerry Costanzo Big Band Orchestra, a 16-piece Big Band, under the musical direction of trumpeter, arranger, and composer Mike Carubia, will perform at the Brookhaven Center on Friday, November 17, in a tribute performance to Count Basie and others of the world's greatest big bands. The band also explores new and updated arrangements in the style of Basie, Ellington & others. Costanzo will perform the unique vocal arrangements of the Sinatra-Basie collaborations, especially from the world-famous show at The Sands in Las Vegas.

For warm-up, at 7 p.m., before the band starts at 8:30 p.m., a 45-minute dance lesson will be given, followed by the dinner break. The band will play until midnight, with a general DJ dance mix of ballroom, Latin, hustle, etc., in between sets.

In order to have adequate "danceable" space, only 160 tickets are available. Tickets are \$20 each in advance, or \$35 at the door if any are still available. BNL Association of Students & Postdocs (ASAP) members get a 50 percent discount. Buy tickets at the Friday night dance socials at the Brookhaven Center, or at the BERA Store at Berkner Hall. Sponsored by the BNL Social & Cultural Club, the event is open to the public. Visitors to the Lab 16 years old and older must bring a photo ID. For more information, contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov.

TICKETS - Looking for 2 tickets for the BERA trip to Radio City Christmas show. James, Ext. 4026 or 872-8966.

Lost & Found

LOST: KEYS - key ring w/two keys-lost in apt. area or gym on 10/25. Ext. 3525.

For Rent

BELLPORT - Studio apt. w/loft bedroom. All util. included and direct TV. One month security. \$900/mo. 286-7088.

BOHEMIA - 2 bdrm house, sec. setting, huge property, l/r, d/r, den, 1 full bath, porch, gar., Easy access to train, airport, highways. \$1,675/mo. 589-6640.

BROOKHAVEN HAMLET - 3 bdrm., 2.5 baths, l/r, d/r, gar., new heat, + util. \$1,800/mo. 286-1618.

CENTER MORICHES - 4 bdrm. wtr-frt house, dock on creek, 2 ath, eik, d/r, w/d, f/p, yr. round \$1,995/mo. 261-7908.

CENTER MORICHES - 1 bdrm. bsmt. apt., l/r, full kit. & bath, outside ent., no smkg., great loc., Holiday Beach area, close to BNL, utils. incl. \$1,000/mo. 909-2452.

MANHATTAN - 56th St. @ 7th Ave., any 7 days a yr., sleeps 4 \$23,000/wk./neg. G. Friedlander, 650-3222.

MANORVILLE - 10 min. to BNL, legal, 1 bdrm. lg. l/r, eik, lots of closets, bright & sunny, priv. util. incl. \$950/mo. 878-8967.

MILLER PLACE - share non smkg., fully furn., 3-bdrm. Col. home, fenced backyard, deck, cac, internet, tv cable, own w/w bdrm. 10 mi. to BNL. \$675/mo. 744-8386.

MOUNT SINAI - 1 bdrm basement apartment, walk to beaches. \$1000.00/mo. incl. all. Avail. now. \$1,000/mo. 516-449-7892.

SHOREHAM - share house. unfurn./furn. non smkg bdrm, i/net, tv, cable etc., 7 mi. to BNL, \$650/mo. Ext. 3785 or 744-3543.

SOUND BEACH - 3 bdrm. Col., l/r with f/p, large eik, appliances, bsmt., level corner lot. \$1,800/mo. 821-1271.

SOUND BEACH - house, water view, steps to beach. 3 bdrm, l/r, d/r, f/r, eik, f/p, deck, cac, cent. vac, 20 min. to Lab, util not incl., opt. to buy. \$1,700/mo. Ron, 744-1855.

SOUTH SETAUKET - 1-bdrm. studio, artistic, small but warm, quiet area, 15 min. to BNL, avail. now. \$600/mo. 456-1753.

WADING RIVER - furnished, 1-bdrm. apt., pvt. ent., utilities incl. (elec, heat, water, cable tv/Internet connection), single non smoker, call after 4 p.m. \$850/mo. 929-1481.

WADING RIVER - Newly renov., 3-bdrm. house, d/r, l/r, fin. bsmt., 2 baths, 1 w/jacuzzi, good for 4-5 people (price neg. dep. on # of people). \$1,650/mo. 929-1481.

BOYNTON BEACH, FL - Sun Valley East, move-in ready, 1800 ft., 2/2 + den, walk to clubhouse, pool, tennis & shopping \$239,000/mo./neg. 561-495-0187.

NEWPORT RICHEY, FL - Golf front condo 2bd 2bth 15 min to gulf beach. Comm w/ golf, 2 pools, clubhouse, avail dec-feb. all incl, but phone \$1,200/mo. Ext. 2539 or 929-3586.

For Sale

EAST QUOGUE - Condo in Sr comm. in S/hampton Town. End unit w/2 bdms 2 bath, closets galore, 1-car gar, low taxes & maint. \$595,000/neg. 516-316-1835.

KINGS, NY - 11-rm. hi ranch, 4 bdrm., 2 bath, poss m/d, oak floors, ss appls., Anderson windows, must see. \$459/neg. Richard, Ext. 5319 or 835-8309.

MANHATTAN - Timeshare, any 7 days a year, 56th St. at 7th Ave., sleeps four. \$23,000/neg. G. Friedlander, 650-3222.

MIDDLETOWN - 5.61 Catskill Mountains acres. Apprvd, designed & perked septic syst. 10 min to Belleayre Mtn, 5 min to Ski Plattekill \$75,000. 929-0123.

MILLER PLACE - comfortable 4-bdrm. col., l/r, d/r, lg. eik, den, 2.5 baths, gar., wooded lot, 20 min. to BNL & SBU, 5 min to beach. \$465,000. 473-4715.

PORT JEFFERSON - 2 bdrm t/house, 2.5 bath (jacuzzi), oak flrs., f/p, fin. bsmt. cedar clst., trex deck, gar., all PJ Ctry Club amens, CAC. \$419,000. Sue, 929-2867.

RIDGE - Leisure Knoll, Huntington Model, 2 bdrm, 2 bath, den landscaped, gar., pull down stairs, igs, frt. porch \$340,000. 849-4933 or 924-4290.

SHOREHAM - 5-bdrm., 2-bath ranch, move-in cond., new appl, dr/way, cac, heating syst. & hwh, f/p, ins, fenced yard, 18x18 shed. \$369,900/neg. 848-8072.

VERO BEACH - 2 yrs. young, unique country home w/extra bldg. corner lot., move-in ready, \$219,000/neg. 772-539-1617.

On-Site Services

ON-SITE SERVICE STATION - We provide all vehicle services, NYS inspections, repairs, while you are at work. Ext. 4034.

In Appreciation

A very warm and sincere thank you to my friends and co-workers for giving and showing me your support after the passing of my mother. — Philip Baker, Jr.