BNL Holds Cyber & Physical Security Stand Down

On Thursday, October 5, BNL held a Lab-wide stand down of information technology (IT) systems, to bring attention to security procedures and the importance of cyber and physical security in the Lab’s ability to carry out DOE’s mission. All internet access, including delivery and receipt of external e-mail, was suspended from 8 a.m. to 5 p.m. Exceptions were made for the National Weather Service’s Upton Weather Station and the wireless net in Berkner Hall, which was needed to support a Homeland Security Conference.

During the day, Lab managers led mandatory all-hands meetings, presenting information and training materials on cyber security, physical security, and personally identifiable information. Employees then ensured that their computers complied with cyber security policies, and managers later checked one computer at a time.

The Lab established an Information Resource Center (IRC) at the Emergency Operations Center to support a Homeland Security Conference. Managed by Mike Bebon, BNL Deputy Director for Operations, the IRC was staffed with representatives from Information Technology Division, managed by Tom Schlagel, and the Safeguards & Security Division, managed by John Sealing. Project Manager John Sealing also assisted in IRC operation.

The stand down was carefully planned by a newly constituted Cyber Response Team. The team was put together by Mike Bebon, who serves as its chair; other members include John Amabile, Mike Doeling, Kathy Greig, Gary Gross, Joe Induisi, Keith Lally, Ed Murphy, Tom Schlagel, Jim Turpinian, and Pam Verry. Frank Crescenz “(Deputy Manager, DOE Brookhaven Site Office) served as liaison to the DOE Site Office. I want to express my sincere appreciation to the team for the work it has done and continues doing.

The data accumulated during the stand down is very extensive and is being analyzed. The data will help greatly in our overall corrective action plan and subsequent verification that will be required to get an “Authority to Operate” certification for our systems from the Brookhaven Site Office.

We are fortunate to have people here on loan from Pacific Northwest National Lab (PNNL) to assist us. John Burnette and J.D. Fluckiger, from PNNL’s cyber security program, will help us complete written policies, implement and verify corrective actions, and advise us based on their experiences at PNNL. Several more people from PNNL, and perhaps other national labs, will be joining John and J.D. to help Keith Lally and our cyber security team to complete the migration of all Windows systems into the BNL domain and undertake other corrective actions.

There were a few hiccups, but all of us are thankful for another successful run. Thank you to all of you again for taking this exercise seriously and for the work you did to support it.

— Sam Aronson

Message From the Director

418th Brookhaven Lecture, 10/18
Timur Shaftan on ‘Bright Photon Beams: Developing New Light Sources’

World-leading brightness of intense x-ray light is needed for scientists to make the next generation of discoveries in a wide range of disciplines, from structural biology to nanoscience, from the structure and dynamics of materials to materials under extreme conditions — and more.

BNL proposed and DOE approved the National Synchrotron Light Source II (NSLS-II), a state-of-the-art medium energy machine designed to produce x-rays more than 10,000 times brighter than those produced at the current NSLS. These powerful beams and the advanced instrumentation at NSLS-II will be able to probe samples of materials in a wide range of environments and conditions, giving us new information that could lead to advances, for example, in catalysis and advanced energy storage, molecular electronics, and the self-assembly of nanomaterials into complex, functional devices.

Developing the machine and its instrumentation is not easy, however. Achieving and maintaining the needed level of intensity will involve tightly focusing the electron beam, providing the optimally matched insertion devices, and achieving and maintaining a high electron current. At BNL, research and development is ongoing on these and other challenges.

About this work, join Timur Shaftan, a scientist in the NSLS Department, who will give a talk titled “Bright Photon Beams: Developing New Light Sources,” at the 418th Brookhaven Lecture on Thursday, October 18, 4 p.m. at the Brookhaven Lecture Hall on 4 p.m. on Wednesday, October 14, and the speaker will be introduced by James Murphy, Head of the NSLS Accelerator Division. All are welcome to attend this free public lecture.

— Sam Aronson

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SBU Student Minhua Shao Receives Dr. Mow Shiah Lin Scholarship

Minhua Shao, a graduate student pursuing a Ph.D. in electrochemistry at Stony Brook University, has won the second annual Dr. Mow Shiah Lin Scholarship. The Asian American Association at BNL initiated the scholarship, which consists of $1,000, and a plaque to honor an exemplary graduate student who demonstrates the characteristics of the late distinguished Brookhaven Lab scientist for which it is named.

Mow Shiah Lin began his career at Brookhaven Lab in 1975 as a postdoctoral fellow and advanced to co-lead a research team working with an environmental remediation company to use selected bacteria to convert toxic oil wastes, such as used motor oils, into useful products. In 2001, Lin shared the R&D 100 Award, given by R&D Magazine, to the top 100 technological achievements of the year, for a technology to recover silica from geothermal brine. Lin died suddenly due to a brain aneurism at the height of his career in 2004, and his coworkers, friends, and family contributed funds to establish the scholarship.

In honor of Lin’s research, achievements and inventions, the scholarship is granted annually to an Asian American student who is matriculating toward a graduate degree at an International Institute of higher education in environmental science, biology, or chemistry, in remembrance of the manner in which Lin began his career.

“I am particularly honored to be a recipient of this prestigious scholarship named after a person I greatly admired and considered my friend,” Shao said. “My career goal is to become a research scientist like Dr. Lin in an institute like Brookhaven Lab. I hope my research will help in protecting our environment and improving the lives of people worldwide.”

Minhua Shao earned a B.S. in chemistry in 1999 and a M.S. in electrochemistry in 2002, both from Xiamen University in China. Currently a student at Stony Brook University, Shao is working on his thesis research with senior chemist Radoslav Adzic at Brookhaven Lab.

Shao’s research focuses on designing and developing platinum-free or low-platinum electro-catalysts that will significantly lower the cost of fuel cells. When these low-cost fuel cells become commercially viable, they are expected to help solve the global problem of dwindling energy supplies and help eliminate environmental hazards related to burning fossil fuels, such as air pollution, acid rain, and greenhouse gases.

— Diane Greenberg

DOE Seeks Comment on Soil, Groundwater Cleanup

The U.S. Department of Energy (DOE) is seeking public comment on a proposed cleanup plan for soil and groundwater contamination near the center of the Lab site. The public comment period is open from October 12 through December 13, 2006. The cleanup plan, known as the Proposed Remedial Investigation/Feasibility Study, is available at www.bnl.gov/ferd and at the Mastics-Moriches-Shirley, Brookhaven Linac Isotope Producer Soils, and Former Underground Storage Tank Study, along with its accompanying Feasibility Study, is available at www.bnl.gov/ferd and at the Mastics-Moriches-Shirley, Brookhaven Lab, and U.S. Environmental Protection Agency libraries.

Information sessions on the proposed plan will be held on Wednesday, October 18, 2006, from noon to 2 p.m., and from 5 to 7 p.m., in Berkleimer Hall. A public meeting will be held on Wednesday, October 25, 2006, from 7 to 9 p.m. in the Medical Laboratory conference room. All members of the public and the BNL communities are invited to attend and comment.

The proposed plan, which would address the Lab’s facility and regulatory agency input, will analyze alternative remedial and alternative cleanup alternatives, and involve public participation through the U.S. Environmental Protection Agency's “predecisional and preadjudicatory” notice process. The public will have the opportunity to provide comments and suggestions for the final proposed plan, which will be submitted to the U.S. Environmental Protection Agency for review and approval.
BNL Celebrates Health, Fitness, Safety

October 2006 is Healthfest Month — BNL celebrates health, fitness and safety. The BERA Indo-American Association invites all to celebrate Diwali, the Festival of Lights, on Saturday, November 4, at Berkner Hall. Starting at 2:30 p.m., the cultural program of songs, dances, and instrumental music, performed by both professional and amateur artists, celebrates the rich culture of the Indian subcontinent. Traditional Indian snacks and dinner will also be served. This warm, family celebration draws more participation each year.

The deadline for reservations, including all modifications and cancellations, is Thursday, November 2. Reservations for this popular function should be made early. Last year, about 400 attendees nearly filled the auditorium, which has a capacity of about 440 persons: no more may attend. This year all reservations may be made online only at www.bnl.gov/bera-iaa/php/diwali/reserve_form.php. If you do not have access to the Internet, please contact someone who does. You will be sent a receipt of your request.

For each Healthfest event you enter, you get one chance for the grand prize raffle. A George Foreman grill and rotisserie combo may be yours! The winner will be chosen at the end of Healthfest.

BNL’s annual health, fitness and safety celebration is well under way. The Co-chairs of Healthfest, 2006, Michelle Thorn and Denise DiPierro, chairperson, Human Resources & Occupational Medicine Division, encourage all BNL employees to take part in the various events, including the safety fair, which will be held on Tuesday, October 17.

New Grand Prize Raffle

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‘Wheel of Fortune’ Game

Test your knowledge of safety and maybe win a prize. To register for the Healthfest November Month Challenge, visit the web page below. To register for an event, complete the form at the top of the flyer sent to all employees and return it to Michael Thorn, Bldg. 490.

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Friday, October 13

Monday, 10 a.m. 11 a.m. Health, Fitness & Safety Fair — in Berkner Hall AIA, 11 a.m.-3 p.m. BERA Health & Safety Fair. Site visitors, including persons with disabilities, may sample testing, free raffles — and much more. Registration required, fee for same-day sample-testing.

Tuesday, October 24

11 a.m. – 1 p.m. Fitness Open House — at the gym and pool, Bldg. 478. You must be 18 or older to participate. Those participating will receive a 2006 Healthfest T-shirt (supplies are limited). Registration required.

Wednesday, October 25

11:30 a.m. – 12:30 p.m. 100-yard Biathlon Swim — at the pool, Bldg. 478. You must be 18 or older to participate. Those participating will receive a 2006 Healthfest T-shirt (supplies are limited). Registration required.

Thursday, October 19

11 a.m. – 1 p.m. Health, Leisure and Sleep. Everything You Need to Know about Sleep, by Marta Maccio, M.D., Medici

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Sprint Veterinary Center, Berkner Hall, Bldg. 488. See safety demonstrations, display and sample: mock smoke condition, CPM (cold pressurized) mask, and an example of vision glasses, personal protective equipment, and other items that could provide protection in the initial hygiene. — Thursday, October 19

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**Classified Advertisements**

**Placement Notices**

The lab is looking to hire a candidate to select the best-qualified finalist for an available position. Candidates are considered in the following order: (1) present benefit-eligible employees currently working at BNL; (2) present benefit-eligible employees not currently working at BNL, but within applicable commuting or work-related travel time; and (3) other employees. For open recruitment. Because of the priority policy stated above, only those not necessarily qualified may apply for all positions within the same discipline; otherwise, positions will be open for one week after publication. For more information contact the Employment Manager, Ext. 3882. Access current job openings on the World Wide Web at www.bnl.gov/jobs/.

**Wanted:** BNL art and crafts for sale! Place 1 or 2 items for $1.00 each, up to 5 items for $2.00 each. Larger items, please ask. Call Ext. 3209.

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**Motor Vehicles & Supplies**

**NEW FORD PICKUP - black, 4x4, all power, tok, dp, CD changer, heat, a/c, power options, clean. 99K mi. $11,000.**

**HYDRAULIC SATELLITE - 12'x8', 8000 lbs.**

**1996 CHEVY TAHOE - 4x4, 5K mi, $25,000.**

**2000 HONDA ODYSSEY - loaded, one owner, 115K mi, loaded, low miles, auto, heat, a/c. $5,000.**

**2005 BMW X5 - great cond. 106K mi. $7,500.**

**2000 BMW Z3 ROADSTER - 5K mi, $15,000.**

**2009 HONDA SUV - for trade, great family car, runs great, 50K mi, $12,000.**

**1995 CADILLAC BROUGHAM - one owner, loaded, one owner, 71K mi, Auto. $8,500.**

**2000 HYUNDAI ELANTRA GLS WAGON - 4-cyl, 4dr, air, am/fm, p/w, p/s, p/l, auto, AC, heat, clean, very nice, runs great, 60K mi, $5,300.**

**2005 FORD FOCUS - 1.6, air, ac, auto, clean, 59K mi, $4,200.**

**1998 VOLKSWAGEN PASSAT - 1.8 turbo, air, ac, c, c, air, clean, runs good, 109K mi, $4,500.**

**58K mi, $5,300.**

**1994 HONDA CIVIC ED F2 - runs well, low miles, fully loaded.**

**1993 TOYOTA T100 - 4K mi, runs well, all original.**

**1997 FORD MUSTANG - loaded, one owner, 70K mi, $8,500.**

**1999 VOLKSWAGEN JETTA - 5K mi, very clean, loaded, 34K mi, $7,000.**

**1994 CHEVROLET CORVETTE - 40K mi, clean, runs well, 5K mi, $15,000.**

**2007 VOLKSWAGEN BEETLE - 2 dr, air, 60K mi, $10,000.**

**1999 HONDA CIVIC ED F2 - runs well, low miles, fully loaded.**

**1997 TOYOTA T100 - 4K mi, runs well, all original.**

**1993 CHEVROLET CORVETTE - 40K mi, clean, runs well, 5K mi, $15,000.**

**1998 TOYOTA SIENNA - 4K mi, runs well, 65K mi, $15,000.**

**1994 CHEVY ASTRO VAN - runs well, low miles, fully loaded.**

**1997 FORD FOCUS - 1.6, air, ac, auto, clean, 59K mi, $4,200.**

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