# Bulletin



December 1, 2006 Vol. 60 - No. 40

# **Gene-Jack Wang Named Chair of Medical**

Gene-Jack Wang, a physician who specializes in nuclear medicine, has been named Chair of the Medical Department, effective October 23.

With an annual budget of over \$14 million and a staff of 72 employees, BNL's Medical Department is focused on research related to the brain. Using sophisticated imaging techniques, such as positron emission tomography, researchers study diseases related to the brain's functioning, such as addiction, obesity, Alzheimer's disease and depression. Other research projects are geared toward developing new nuclear medicine treatment and diagnostic agents, producing medical isotopes for clinical use, and understanding and treating cancer and

heart disease. In addition, medical researchers study the biological effects of cosmic rays in space at the NASA Space Radiation Facility.

"I am looking forward to expanding the capabilities of the Medical Department by increasing our interaction with industry and forming more partnerships with medical schools and hospitals," Wang said. "We also plan to collaborate (continued on page 2)

# Findings on Brain-Stomach-Emotion Interaction Give Clues to Causes of Overeating, Obesity

Researchers at BNL have found new clues to how the brain and the stomach interact with emotions to cause overeating and obesity. By using positron emission tomography (PET) brain scans to look at how the human brain responds to "fullness" messages sent to the brain by an implanted device that stimulates the stomach, the scientists have identified brain circuits that motivate the

desire to overeat in the obese — the same circuits that cause addicted individuals to crave drugs. The scientists have also verified that these circuits play a critical role in eating behaviors linked to soothing negative emotions. The study appears in the October 17, 2006 issue of the Proceedings of the National Academy of Sciences.

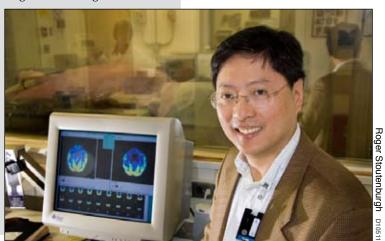
"This study opens new territory in understanding how the body and brain connect to each other, and how this connection is tied to obesity," said lead author Gene-Jack Wang of BNL's Center for Translational Neuroimaging and Medical Department Chair. "We were able to simulate the process that takes place when the stomach is full, and for the first time we could see the pathway from the stomach to the brain that turns 'off' the brain's desire to continue eating.'

The study was funded by the Office of Biological and Environmental Research of DOE's Office of Science, the National Institute on Drug Abuse (NIDA), the Intramural Research Program of the National Institute on Alcohol Abuse & Alcoholism (NIAAA), and the General Clinical Research Center at University Hospital Stony Brook. Study coauthors include Nora Volkow, NIDA Director; Julia Yang, Frank Telang, Yeming Ma, Christopher Wong, Dardo Tomasi, Peter Thanos, and Joanna Fowler of BNL's Medical Department; and Wei Zhu of Stony Brook University.

DOE has a long-standing interest in research on brain chemistry gained through brain-imaging studies. Brainimaging techniques such as PET are a direct outgrowth of DOE's support of basic physics and chemistry research.

– Karen McNulty Walsh

For a more detailed account of the research behind this finding, see www.bnl.gov/bnlweb/pubaf/pr/ PR\_dis play.asp?prID=06-107.



# BNL Wins 2006 Long Island Environmental Leadership Award

BNL recently received a 2006 Environmental Leadership Award from the Greater Long Island Clean Cities Coalition for its work with biodiesel as a vehicle fuel and in home heating applications. Representatives from DOE and the Energy Resources Division in BNL's Energy Sciences & Technology Department (ES&T) picked up the award during the Coalition's 10th annual Advancing the Choice conference.

BNL was honored for its research and deployment of alternative fuel technologies, populating the Lab's fleet of cars with 77 natural gas vehicles, more than a quarter of the total fleet. Since the Lab first began using alternative fuel vehicles in 2001, fleet gasoline consumption has dropped by 50 percent.

"We are very proud of the environmental accomplishaward," said DOE's Nick Torres, Federal Fleet Manager at the DOE Brookhaven Site Office. "This recognition showcases the outstanding research performed at BNL and puts into practice our commitment to protecting the environment."

The Coalition represents more than 260 public and private sector stakeholders in the Long Island region, and has worked toward the goal of improving regional air quality and reducing U.S. reliance on foreign oil through the use of alternative fuel vehicles and fuels. The Environmental Leadership Award is given to an organization that has proven over time that it is committed to deploying, developing, or installing alternative fuel technologies.

"Our group at BNL has been very involved with the use of

ments that earned BNL this biodiesel in boilers and turbines and this renewable fuel option has developed very rapidly in the past few years," said Thomas Butcher, who heads

the Energy Resources Division and was at the Advancing the Choice conference. "An important part of this work has involved collaboration with

Greater Long Island's Coalition members. We feel very fortunate to have such capable and enthusiastic partners here on Long Island." — Kay Cordtz



As DOE and BNL representatives accepted the Greater Long Island **Clean Cities Coalition (GLICCC)** Award presented to BNL this year at the 10th annual Advancing the Choice conference, those present included: (from left) Marcy Rood, **Director, Clean Cities Coalitions,** Department of Energy (DOE); Henry Hauptman, BNL Staff Services Fleet Manager; Nicholas Torres, DOE **Brookhaven Site Office Federal Fleet** Manager; Thomas Butcher, Energy Resources Division Head; Ron Gulmi, **GLICCC Chair and KeySpan Natural** Gas Vehicle Program Manager; and Andrea Adler, GLICCC Coordinator and LIFT Program Coordinator. Taking the photo was Jeffrey Williams, Project Engineer in BNL's **Environmental & Waste Management** Services Division



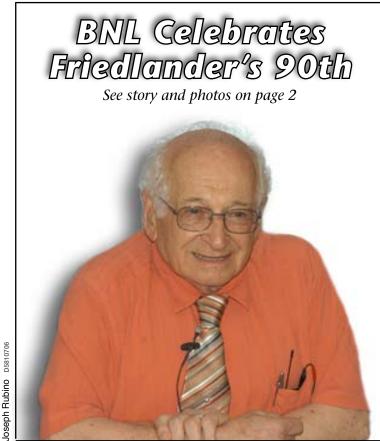
# **International Society of Electrochemistry** Awards BNL's Dev Chidambaram

The International Society of Electrochemistry (ISE) has awarded the 2005 Hans-Jürgen Engell Prize to Dev Chidambaram, Envionmental Sciences Department (ESD), to recognize his excellent scientific work and publications in the field of electrochemistry. A professional organization for electrochemists, IDE has 1,400 members from more than 60 countries. Chidambaram received his prize of a plaque and 500 euros and delivered a keynote lecture at the ISE's 2006 annual meeting, held in Edinburgh, Scotland, in September.

Chidambaram's research focuses on protecting metals from corrosion and remediating toxic metals and radionuclides in the environment. He said, "My research is challenging and rewarding, and I am honored that the ISE has recognized my efforts."

In a project funded by the U.S. Air Force, Chidambaram found that molybdenum may be a viable replacement for chromate coatings, which are used to coat metals to prevent corrosion but are carcinogenic. Later, this result was used as a starting point for a program funded by the U.S. Army. Chidambaram, working with Don Roeper, Gary Halada and Clive Clayton from Stony Brook (continued on page 2)





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# 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.
- $\bullet$  Calendar events flagged with an asterisk (\*) have an accompanying story in this week's

#### 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,

# 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 Bernholc, 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.

# BNL Celebrates Gerhart Friedlander's 90th







cientists, friends, and fam-Jily gathered at BNL in the Chemistry Department on July 28 to celebrate Gerhart Friedlander's 90th birthday. Friedlander, distinguished nuclear chemist and Chemistry Chair, 1968-1977, was honored by a session of reminiscences presented by colleagues and friends from near and far for his excellent science and unique personal and administrative contributions.

Joining BNL in January 1948, Friedlander found his principal research interests in nuclear spectroscopy and high-energy nuclear reactions. After his retirement in 1981 he remained active in research, turning his attention to solar neutrinos and spearheading the gallium experiment that eventually became the GAL-LEX project. From 1992 to 2000 he was Editor-in-Chief of the magazine Science Spectra.

Friedlander is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, as well as a fellow of the American Physical Society and the American Association for the Advancement of Science and an honorary member of the

Hungarian Academy of Sciences. His honors include the American Chemical Society Award for Nuclear Applications in Chemistry, the Alexander von Humboldt Senior U.S. Scientist Award, and honorary doctorates from Clark University and the Johannes Gutenberg University in Mainz, Germany — the first honorary doctorate that Mainz had awarded a chemist in more than two

A congenial luncheon started the celebration, followed by an afternoon of memorable life-time moments described by a long list of speakers eager to add their warmest congratulations to Friedlander as a distinguished scientist, promoter of great science, statesman, and humanitarian.

During these talks, an overruling theme proved to be the admiration and gratitude expressed by many speakers for the guidance found in a textbook, Introduction to Radiochemistry. that Friedlander wrote with Joseph W. Kennedy in 1948. Revised in 1955 under the title Nuclear and Radiochemistry, the book was revised again by Friedlander in 1964 and 1981 with additional

coauthors. Still the outstanding classic in the field, the book has been translated into more than eight languages.

Other themes recalled the sawing up of the lead brick that served as the first Cosmotron target and was used by Friedlander and his colleagues as a starting point for their studies of GeV proton interactions; martinis — a leit-motif in the Chemistry Department annals that traced back through Chair Dick Dodson to J.Robert Oppenheimer; a wine and cheese club started in the 1960s and still going; a deep commitment to protecting human rights and especially women's rights, including many years of work in the Planned Parenthood organization; the BNL Theater Group; fine music; and, above all, good science and good companionship.

Among comments made during the afternoon:

"Gerhart's outstanding ethics influenced my whole life'

"a teacher, mentor, colleague, and friend, not just to me, but to so many in this room"

"you enriched my life"

"Gerhart and his group made significant contributions to the understanding of high energy nuclear reactions with emphasis on multifragmentation"

"from your work, a new field opened up, still studied today"

"an excellent writer and demanding editor"

"a superb scientist and a courageous administrator."

Speakers included Ralph Weston, who, with Jack Preses, organized the celebration; R.C. Anderson, Nicholas Samios, Jerry Hudis, Guenter Herrmann, Art Poskanzer, Johanna Stachel, Jim Cumming, Daeg Brenner, Francis Bonner, Barbara Strongin, Preses, Peter Braun-Munzinger, Eena-Mai Franz, Richard Hahn, Jim Muckerman, and Paul Karol.

As concluding speaker, with wit and total recall Friedlander clarified several historic points to win a standing ovation. As had been declared by Brenner. Friedlander stands acknowledged "a man of major accomplishments in education, science, and public service, truly the embodiment of 'fiat lux.'"

At the conclusion of the afternoon, it was announced that a donation was being made to the Union of Concerned Scientists in Friedlander's honor.

— Liz Seubert



# Wang Named Chair of Medical

(cont'd)

with other departments at Brookhaven, such as Biology, Chemistry, Instrumentation, and Physics, as well as the Center for Functional Nanomaterials, to develop new imaging equipment to continue to be at the forefront of research in brain-related diseases."

In addition to managing Brookhaven's Medical Department, Wang will continue his groundbreaking research in addiction and obesity. Recently, Wang and his Brookhaven colleagues have identified brain circuits that motivate the desire to overeat in the obese, and they have found that these are the same circuits that cause addicted individuals to crave drugs. "With funding from the Department of Energy and with access to state-of-the-art imaging tools at Brookhaven Lab, I hope to find out more about what causes obesity, a problem that has become widespread in the U.S.," Wang said.

Gene-Jack Wang received his M.D. from Kaohsiung Medical University, Taiwan, in 1980, and a master's degree in radiation health sciences from The Johns Hopkins University in 1984. He joined Medical in 1990 as an assistant scientist and rose through the ranks to become clinical head of the PET imaging group in 1996 and senior medical scientist in 2005. Since April 2005, he has served as Acting Chair of Medical.

Wang is also an associate professor at Stony Brook University (SBU) as well as the Associate Director of the SBU-General Clinical Research Center at Brookhaven. He is a visiting scientist in the Division of Nuclear Medicine at North Shore University Hospital, attending physician in the Division of Nuclear Medicine at Glen Cove Hospital, and Professor of Psychiatry at the Mount Sinai School of Medicine, New York University.

Diane Greenberg

# **ISE Awards Chidambaram**

(cont'd)

depleted uranium. The coating is anti-corrosive and prevents the material from forming toxic flakes and powder. Both programs extensively used the analytical techniques at BNL's National Synchrotron Light Source

to study the materials. Also, with his mentor, microbiologist A.J. Francis, ESD, Chidambaram has been investigating the fundamental nature of electron transfer reactions in biomolecules and those reactions mediated by microorganisms and their application in stabilizing toxic contaminants such as metals and radionuclides.

A native of India, Dev Chidambaram earned a bachelor's degree in chemical/electrochemical engineering from the Central Electrochemical Research Institute in India in 1998. He came to the U.S. to attend SBU, where he earned master's degrees in both ma-

University (SBU), has developed terials science and biomedical a new molybdate-based coating engineering in 2000 and 2001, to prevent the deterioration of respectively, and a doctorate in materials science and engineer ing in 2003.

Chidambaram joined BNL in 2004 as a Goldhaber Distinguished Fellow, a prestigious fellowship named after two distinguished BNL physicists, the late Gertrude Goldhaber and former Laboratory Director Maurice Goldhaber. The recipient of numerous research awards, Chidambaram also won the 2005 Morris Cohen Award from the Electrochemical Society, as well as awards from Signa Xi, the New York Society for Applied Spectroscopy, the American Vacuum Society, and the Society for Applied Spectroscopy. He was also chosen by the Nobel Laureates Foundation to participate in the 55th meeting of the Nobel Laureates in Lindau, Germany. Chidambaram is an adjunct professor of materials science and engineering at SBU.

Diane Greenberg

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# 'Show That BNL Cares' This Year's United Way Campaign Theme

\$\int\_{\text{contributions}}\$ 120,000 — that's the goal of this year's fund drive for contributions from BNLers to the many local service agencies helped by the United Way of Long Island. So far, \$93,157 has been pledged by 285 employees and retirees.

Co-chairing the effort are Human Resources & Occupational Medicine Division Director Bill Hempfling and Senior Human Resources Representative, Terrence Buck. They are helped by United Way captains in each department and division, who often spearhead special events among their groups — and a United Way team of BNLers who run larger events to add funds to the total. These include:



### Holiday Auction/Yard/Book Sale, 12/6 & 7

11 a.m. to 2 p.m., Berkner Lobby. In addition, 50/50 chances will be available. Take chances on beautiful theme baskets. Interested in donating a basket? Contact Joanne Rula, Ext. 8481, Lois Caligiuri, Ext. 5415, or Linda Sinatra, Ext. 6042. Winning names to be drawn December 7 at 2:00 p.m. Winners need not be present.

Purchase donated household items. Looking to donate your items to the yard sale? Contact Chris Johnson, Ext. 7636.

Purchase gently used books. Donated books to sell should be delivered to the Research Library, Building 477, by today, December 1, or contact Madeline Windsor, Ext. 5069.

# Holiday Gift Wrapping, 12/19-21

11 a.m. to 2 p.m. Berkner Lobby. For a small fee you can have your holiday presents wrapped on Tuesday through Thursday, December 19-21. Willing to donate your time to be a "wrapper?" Call Joanne Rula, Ext. 8481.

# **Volunteer Work Program**

BSA provides a generous \$20 donation to the United Way for every hour an employee does volunteer work, up to a ceiling of \$20,000. Contact Maria Beckman, Ext. 5483, or Mary Campbell, Ext. 3927 for more information.

# Southwest Airlines tickets, AmEx Gift Certificates

The backbone of the funds for the drive comes from contributions sent by employees and retirees to Payroll Deduction Pledges & Donations coordinator Liz Mogavero, Bldg. 510A. By completing the pledge forms sent via interoffice mail or downloaded from the web, employees can either contribute a one-time gift or an amount via payroll deduction over the span of 2007. Directions for contributing are on the form.

As a bonus, Southwest Airlines generously donated four round-trip tickets to anywhere Southwest flies within the lower 48 states. As announced, a drawing for two tickets was made among the employees who submitted a payroll deduction authorization form by November 22, and Gerry Van Derlaske of the National Synchrotron Light Source Department was selected. Congratulations! Another drawing for two tickets will take place during the holiday auction. Winners need not be present. Also, two American Express Gift Certificates for \$250 each will be drawn. Everyone who signs up for payroll deduction between the campaign's start on November 6 and its conclusion at the end of December is eligible to win.

For more information, employees may go to http://intranet.bnl.gov/unitedway/.

# Santa's Visit & Potluck Dinner, 12/17

The Hospitality Committee and the Asian Pacific American Association warmly invites all BNLers to a Santa's visit and holiday potluck dinner in the Recreation Hall in the apartment area at 5 p.m. on Sunday, December 17. Santa will visit at 5:30 p.m. with presents for all the good little children! Several entrees, desserts & drinks will be provided. Bring a dish to share for six people. For more information, contact Becky Job at Ext. 1059 or becky\_job2001@yahoo.com, or Neetu at 805-7119 or m\_neetu@yahoo.com.

# **TIAA-CREF One-on-One Retirement Counseling**

A TIAA-CREF consultant will visit BNL on Tuesday and Thursday, December 5 and 7, and Monday, and Wednesday, December 18 and 20 to answer employees' questions about financial matters. The consultant will help you to: understand the importance of protecting your assets against inflation; find the right allocation mix for you, 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.

# Roll Up Your Sleeve: Blood Drive, 12/14

The availability of blood on Long Island for accident victims, hospital patients, long-term outpatients, and others depends on the generosity of healthy people who care enough for their family and neighbors to give blood. As everyone knows who receives blood, no thanks are enough for this precious gift of life. Many donors give every year and some give several times a year: their commitment is priceless.

Please join the donors if you possibly can, at BNL's blood drive on Thursday, December 14, 9:30 a.m.-3 p.m. in Brookhaven Center. Donors must be from 16 to 75 years of age, in good health, and weighing over 110 lbs. Restrictions may apply to individuals from the United Kingdom and Europe. Donors should have photo identification and know their social security number.

To make an appointment, log on to the Human Resources webpage, www.bnl.gov/HR, click on "Blood Drive" and select "Schedule an Appointment." For more information, contact Susan Foster, Ext. 2888, or Liz Gilbert, Ext. 2315.

#### Camera Club Meets, All Welcome, 12/6

A general meeting of the BERA Camera Club will be held at noon on Wednesday, December 6, in Berkner Hall, Room A. Topics to be discussed will include digital photography versus film, and new digital cameras. Non-members and beginners are invited to attend. For more information, call Ripp Bowman, Ext. 4672.

# Weight Room Reopens, Gym Remains Closed

The Weight Room has reopened with normal hours, Monday to Friday, 7-9 a.m. and 11 a.m. - 9 p.m.; and Saturday, 10 a.m. - 2 p.m. Entry is from the outside door on the north side of the building, closest to Bldg. 460. Because of rain damage to the gym floor, access to the locker rooms is from the outside only: there is no access through the gym, which is closed until further notice.

The Weight Room is for members only. All are welcome to become members of the BERA Exercise & Body Building Club. For more information, go to www.bnl.gov/bera/activities/bodybldg/.

# ANS Meeting, 12/13

At the next meeting of the Long Island Chapter of the American Nuclear Society, on Wednesday, December 13, the speaker, Garman Harbottle, of the Chemistry Department at Brookhaven National Laboratory, will talk on "The Vinland Map: Could It Be Real After All?"

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. Harbottle's talk will begin at 8 p.m. The cost is \$22 per person. Reserve by Monday, December 11, by calling Arnie Aronson, Ext. 2606, and leaving a message.

# **Service Anniversaries**

The following BNLers celebrated service anniversaries during September 2006.

40 Years	
Sidney Kahana F	Physics
Hiroshi Takahashi	-
35 Years	
Pamela Mansfield	ITD
Anthony Baltz F	
30 Years	
Mary-Faith Healey C	ps Dir.
John Benjamin	
Craig Diaz	
Alex Reben	
25 Years	
Colleen Shea	/ledical
20 Years	
Avraham Dilmanian N	/ledical
Claudia Jones Pla	
Felice VillaniPla	•
Douglas Zigrosser	•
Samuel Mason	
Darriuer Masorr	0-7
Thoodore Caroluk Ir Die	nt Ena
Theodore Carpluk Jr Pla Carol BellRa	-

# **Arrivals & Departures**

10 Years

Martin Purschke ..... Physics

Raul Armendariz Physics
Abdel IsakovicNSLS
Hiromi Okada Physics
<ul><li>Departures —</li></ul>
None
6
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• • • • •
Food of Food
Cool o
This holiday season— give LOTS to the 1 Drive.
give Lots of the
BNI Food Drive.

The following BNLers celebrated service anniversaries during October 2006.

Yong LeeC-A
30 Years Richard Scheidet Plant Eng. Gerard Shepherd S&H Svcs. Manomohan Subudhi ES&T Ronald WebsterNNS
25 Years Paul Ziminski
Sara Dawson
Gary Olsen E&WM Svcs. Tonica Valla CMP&MS Jian-Lin Mi C-A Srinivasan Rajagopalan Physics Jefferey Gordon Plant Eng. Jeannette Vera Plant Eng.

# **C**ALENDAR

#### - THIS WEEKEND -

#### Friday, 12/1

#### \*Buy Science-Based Gifts on Site

Noon-2 p.m. Science Learning Center, Bldg. 935. Many new science toys, gifts, available to buy. See notice below, left.

#### \*Music & Comedy Benefit Show

6:30 p.m. Berkner Hall. Show sponsored by BNL Music Club to benefit St. Jude Children's Research Hospital. Acoustic guitar, comedy performed by popular local artists. \$10/person. See notice on page 4.

#### Saturday, 12/2

#### 'Nutcracker' at NYC Ballet

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

### - WEEK OF 12/4 -

#### Wednes., Thurs., 12/6 & 7

\*United Way Auction/Yard/Book Sale 11 a.m.-2 p.m. Berkner lobby. See article at left.

#### Friday, 12/8

#### \*Buy Science-Based Gifts on Site

Noon-2 p.m. Science Learning Center, Bldg. 935. Many new science toys, gifts, available to buy. See notice below, left.

#### - WEEK OF 12/11 -

#### Thursday, 12/14

#### **Blood Drive**

9:30 a.m.-3 p.m. Brookhaven Center. See notice above, left.

#### **Community Advocacy Meeting**

6:30 p.m., Berkner Hall, Room B. BNLers and members of the public are welcome to attend. Each meeting has a comment period during which community members may voice their opinions and concerns. Sherry Johnson, Ext. 5658.

# Friday, 12/8

# \*Buy Science-Based Gifts on Site

Noon-2 p.m. Science Learning Center, Bldg. 935. Many new science toys, gifts, available to buy. See notice below, left.

# **BERA Holiday Party**

5:30 p.m., Brookhaven Center. Cost of \$35 covers hors d'oeuvres, dinner buffet, desserts, and DJ entertainment, plus three hours of beer, wine, and soda. Door prizes. Buy tickets at the BERA Store, Berkner Hall. See notice, page 4.

# Saturday, 12/16

# Bus Trip to Manhattan

9 a.m. Recreation Bldg. in apartment area. Depart for free day in NYC. Bus leaves city at 6 p.m. Tickets are \$10/adults, \$5/children 2-12 yrs. Contact Hanna Herman, haniherman@ yahoo.com or 849-2249.

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.

# Buy Science-Based Gifts on Site, 12/1, 8, 15

The Science Learning Center Gift Shop has many new science toys and gifts ready to buy for the holidays. BNL employees, families, and guests are welcome to come shopping in the Science Learning Center (previously called the Science Museum), Bldg. 935, on three Fridays: December 1, 8, and 15, noon-2 p.m.

# Bus to New York City, 12/16

The Hospitality Committee will sponsor a do-as-you-like trip to New York City on Saturday, December 16. The bus will depart from the Recreation Building in the apartment area at 9 a.m. and leave the city at 6 p.m. Tickets are \$10 for adults and \$5 for children of 2 to 12 years old. To reserve, contact Hanna Herman,haniaherman@yahoo.com or 849-2249.

# Classified Advertisements

#### **Placement Notices**

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present benefits-eligible employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present benefits-eligible employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882. Access current job openings on the World Wide Web at www.bnl.gov/HR/jobs/.

# LABORATORY RECRUITMENT - Opportunities for Laboratory employees

TB4366. MATERIAL HANDLER (LG-3, 2 positions, term appointments) - Performs a variety of laboring and manual tasks in stores operations such as moving, loading, unloading, sorting and storing of materials. May operate motorized equipment pertinent to stores operations. Keeps stores facilities in neat condition. Procurement & Property Management Division.

OPEN RECRUITMENT – Opportunities for Lab employees and outside candidates

MK3597. SR. PHYSICIST (S-5) Group Leader, Experimental Astrophysics - Requires a Ph.D. and excellence in research, and experience in optical astronomy is preferred. The Experimental Cosmology Group is a new group. The Physics Department, with the Instrumentation Division, is involved in sensor construction and data management for the LSST project. The successful candidate will have the opportunity to lead the scientific development of this group in a broad research program. We envision eventually 4-5 scientists in the group. Applications should be sent before February 1, 2007, electronically to dawson@bnl.gov or by mail to S. Dawson, Chair, Physics Department, Brookhaven National Laboratory, Bldg. 510, Upton, NY 11973.

MK4140. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in condensed matter physics or chemistry and familiarity with scientific computing and programming. Position is with the Condensed Matter Theory Group and the research will involve conducting theoretical investigation of the self-assembly of correlated electronic nanomaterials and their optical, magnetic, and transport properties, using computational "first principles" methods and quantum manybody techniques. The research also includes developing novel state-of-the-art theoretical/numerical approaches for proper treatment of strong electronic correlation, working in close collaboration with several other world-leading groups within the DOE Computational Materials Science Network. Available parallel computing resources include DOE supercomputer centers and local Beowulf clusters. For more information, please see http:// www.cmth.bnl.gov/ . Under the direction of W. Ku. Condensed Matter Physics & Materials Science Department

JH4295. SCIENTIST (S-3) - Requires a Ph.D. in science or engineering, 15 years of relevant technical and management experience, and a track record of success in the development or operation of vacuum systems for an accelerator complex. Candidates with experience in the design, construction, and commissioning of storage ring vacuum systems will be given preference. Prior project management experience is highly desirable. Candidate will report to the NSLS-II Accelerator Systems Division Director and will provide scientific and technical guidance related to the vacuum systems for NSLS-Il as his or her primary duty. Additional responsibilities will include: establishing and supervising the team that will handle the vacuum engineering support for the NSLS-II project including developing requirements definitions, completing detailed cost and schedule estimates for the labor and material resources required for the successful design, construction, installation, integrated testing and commissioning of the respective scope of work, carrying out R&D, design, procurement, fabrication, installation and commissioning, establishing milestones, maintaining a current detailed schedule, planning, tracking and executing all procurements, managing configuration management activities, generating performance data and reports, monitoring and reporting on corrective action items, initiating comprehensive "bottoms-up" reevaluations as appropriate to determine Estimates to Complete and designating Control Account Managers to manage components of assigned scope. National Synchrotron Light Source-II.

JH4289. RESEARCH AND DEVELOPMENT MANAGER 2 (M-2) - Requires a master's degree or equivalent (bachelor's degree with relevant training and extensive experience) and 15 years of relevant technical and management experience. Candidate will serve as the Leader of the Power Systems Group for the NSLS-II Project and will oversee electrical engineers, de signers, and technicians in support of the Project. Requires a track record of success in the development or operation of a large-scale magnet power supply system for an accelerator complex. Prior project management experience is highly desirable. Candidate will report to the NSLS-II Accelerator Systems Division Director, and responsibilities will include establishing and supervising the team that will handle the electrical engineering support for the NSLS-II project, including: developing requirements definitions; organizing the performance and safety review of the designed system; completing detailed cost and schedule estimates for the labor and material resources required for the successful design, construction, installation, integrated testing and commissioning of the respective scope of work; carrying out R&D, design, procurement, fabrication, installation and commissioning; establishing milestones; maintaining a current detailed schedule; planning, tracking and executing all procurements; managing configuration management activities; generating performance data and reports; monitoring and reporting on corrective action items; initiating comprehensive "bottoms-up' reevaluations as appropriate to determine Estimates to Complete; and designating Control Account Managers to manage components of assigned scope. National Synchrotron Light Source-II.

JH4294, PROJECT ENGINEER I (P-9)/SR. PROJECT ENGINEER (P-10) - Requires an advanced degree in electrical engineering and 15 years of relevant experience. Extensive experience in the field of diagnostics for an accelerator complex is required. Candidate must have experience in the development and integration of beam position monitoring systems. Successful track record in improving storage ring orbit stability and injector performance is also required. Candidates with experience developing global orbit feedback systems and determining methods to reduce background stray radiation will be given preference. Prior project management experience is highly desirable. Candidate will report to the NSLS-II Diagnostics and Controls Group Leader and responsibilities will include providing strong technical leadership in optimizing accelerator performance and beam diagnostics. Will provide technical expertise in the R&D, design, installation, and commissioning of beam position monitoring systems and global orbit feedback systems and will provide diagnostics support to improve storage ring orbit stability and injector performance. National Synchrotron Light Source-II.

TB3995. SR. GRAPHIC DESIGNER (ERAP eligible) - Under minimum supervision and with considerable latitude for the exercise of initiative and judgment, plans, coordinates and produces graphic design, layout, and artwork, for use in Laboratory technical publications, administrative documents, forms, presentation graphics, and the full range of printed public information products. Must possess considerable knowledge of the entire production process. Must have extensive knowledge of typography and its usage, and the use of computer-assisted design. The term "computer-assisted design" refers to the use of hardware and software for graphic design and excludes video editing, web page design and computer programming. Must be familiar with photographic. printing, binding, finishing, and mailing processes and operations. Provides technical and artistic guidance to the Laboratory personnel and contractor representatives, as required. Must possess excellent people skills, and be able to interface effectively with customers. production personnel and supervision in production and the cost of jobs. Must be able to work within tight production schedules. Production Services Office/CEGPA.

TR4005. BUDGET SPECIALIST (A-6, ERAP eligible) - Requires a bachelor's degree in accounting, business administration, or equivalent, and four years' relevant experience. Excellent written and oral communication skills, proficiency in Excel and other MS Office products, plus experience with PeopleSoft Financials including budget, forecast, queries, and reports are required. Must have the ability to work in a team-oriented atmosphere that will provide support for the entire Basic Energy Sciences (BES) Directorate which includes the Chemistry Department, the Center for Functional Nanomaterials, and the Condensed Matter Physics & Materials Science Department. Responsibilities will include budgeting and financial analysis for Department of Energy's BES funding, labor cost distribution, and rate development. Basic Energy Sciences Di-

# Children's Research Hospital Benefit Performance Acoustic Guitar Music, Comedy, Tonight

The BNL Music Club will present a performance to benefit St. Jude Children's Research Hospital tonight, Friday, December 1, at 6:30 p.m. in Berkner Hall. The evening of acoustic guitar music and comedy by local performers is open to all BNLers and the public. Visitors to the Lab age 16 and over must bring a photo ID.

The featured performer will be Long Island singer-songwriter Bill Meehan, who delights audiences with his lyric imagery, soaring voice, and guitar prowess. In addition, Cary Guerriero will play acoustic blues guitar. Off-Broadway performer Ann Marie Dowling will perform her unique brand of comedy, and Master of Ceremonies Joe De Voe, Plant Engineering Division, will add his own humorous touch to the evening.

Tickets cost \$10 each and may be purchased in advance at www.ticketweb.com or at the door on the evening of the performance. Call BNL Music Club President Joe Vignola, Ext. 3846, for more information.

# **Call for Holiday Recipes, Photos** *To appear in the Bulletin, 12/22*

Attention: All the Lab community! Rustle out your prized family recipes for holiday dishes and send one to the Bulletin to be included in a "Winter Holiday Cook-In" article to appear in the holiday issue of the Bulletin on December 22. If you have a photo that shows holiday table settings, friends, or family gatherings to accompany your recipe, better yet. Recipes and photos or drawings from all countries, cultures, and religions will be warmly welcomed. We are looking forward to getting blueprints for all sorts of unusual and delicious treats and beautiful, fun, or crazy photos from worldwide to share.

If you can, send your recipe and photo by e-mail to bulletin@ bnl.gov, or by regular mail to Liz Seubert, the Bulletin, Bldg. 134. If hundreds of recipes arrive, we will print some and put the others up on the web, if hardly any arrive, members of the Media & Communications Office that harbors the Bulletin have promised to come to its culinary rescue. To be printed, e-mailed photos must be scanned in high resolution (low-res can be placed on the web). Contributions must be received by Friday, December 15.

RM3600. APPLICATIONS ENGINEER (I-6) - Requires a bachelor's degree in computer science, business information systems, or a related discipline, or equivalent experience required. A minimum of three years' recent programming work experience developing client-server and web applications plus experience in Visual Basic and Active Server Pages required. Must have proficiency in most, if not all of the following: .NET, IIS, Oracle, SQL Server, MS Access, People Soft, HTML, JavaScript, and Crystal Reports. The candidate will regularly work on projects with system owners in developing specifications based on their requirements and resolve all project programming issues. Responsibilities include the design, development, and maintenance of new and existing business applications. Will work both independently and as a member of a software development team to make key contributions or lead projects. Work performed will often be creative in nature. Excellent problem-solving and communication skills are essential to project success, as is the ability to handle multiple priorities and meet deadlines. The candidate should demonstrate a solid understanding of object-oriented design concepts and relational databases. Business Systems Division.

# **Motor Vehicles & Supplies**

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

02 HONDA CIVIC - LX, silver, 4dr., excel. cond., a/c, a/t, c/c, p/l, p/s, p/w. 42K mi. \$9,900/neg. Ext. 7855 or 456-1753.

00 MERCURY SABLE LS - dk blue, gray ltr. int., 3L V6, loaded, runs v. well, looks great. Was \$5,000.145K mi. \$4,200. Ext. 4748.

Was \$5,000. 145K mi. \$4,200. Ext. 4748. 99 SUBARU LEGACY WAGON - 4dr, awd, a/t, a/c, abs, am/fm, cass/cd, keyless ent., rf

99 JEEP GRD CHEROKEE LTD - v.g. cond., fully loaded, new rebuilt a/t, V8 4.7L, s/r, 10CD, lthr. int, 92K mi. \$7,850. 360-8874.

rack, excel. 71K mi. \$7,800. 331-4538.

96 DODGE CARAVAN - 6cyl., 4dr., a/c, am/fm/cd, abs, c/c, p/l, p/w, needs new brake pads. 178K mi. \$1,600/neg. 909-694-9363. 96 DODGE GRD CARAVAN - 7 pas, lthr. int., 4 capt. chrs, p/s, p/w, p/b, keyless ent., dual slidg back drs. \$2,500/neg. 775-0270. 95 BUICK CENTURY - 6cyl., am/fm/cass., a/c, p/w, p/l, new exh. sys., tires, runs well.

94 ISUZU RODEO - SUV, gd tires, V6, a/t, c/c, new: a/c, p/l, p/w, am/fm/cd & spkrs. 16 mpg. 138K mi. \$1,500/neg. 776-8042.

134K mi. \$1,400. Ext. 5587 or 281-6770.

92 PONTIAC GRAND AM - red, 6cyl., 4dr.,am/fm, cass., a/t, p/w, vg cond. 77K mi. \$1,800/neg. Ext. 1098 or 833-0387.

92 VOLVO 740 TURBO WAGON - white w/blk int., grt shape, runs fine. 210K mi. \$1,000/neg. Edward, Ext. 7160 or 878-3245. 91 TOYOTA COROLLA - 4dr, a/c, a/t, am/fm/cd. 161K mi. \$500/neg. Andrei, Ext. 7166 or 676-6873.

# Furnishings & Appliances RECLINER - lift chair/recliner, hardly

used, \$350. Mary, 928-5185. REFRIGERATOR - White Frigidaire, 18.2 cu. ft. \$100. Ext. 2094 or 929-5008.

# Audio, Video & Computers

CAR STEREO - Durabrand, in-dash, CD/MP3/CDR-RW playback w/MP3 display, 45Wx4, more, barely used. \$100. 434-5824. CAR STEREO - Pioneer, 50W/channel, CDR-RW/MP3/WMA pl/bk, sat/ipod compat, more, like new. \$180. Laura, Ext. 7842. SPEAKERS - brand new computer speakers, Sony. \$20. Ext. 1098 or 833-0387.

# Sports, Hobbies & Pets

GERMAN SHEPHERD PUPPIES - German imports, pure breed, mother on premises, papers, ready end of Dec. \$950. 924-0503. SKIS, SKI BOOTS - skis, K2 TN-comp, 207, Mkr M48 bndgs, \$40; Head Cyber 190cm, Sal.800 bndgs, \$40; Sal. boots, sz 33cm (11), blk, \$25. 513-8275.

SKI HELMET - for child, Boeri Axis Rage, full head, excel. rating & cond., it fit my 11 year old, \$30. Toni, Ext. 5257.

SNOWBOARD - new Lamar Ultra 149 w/LTD bindings, \$150. Ben, 513-8275.

# Miscellaneous

ENGAGEMENT RING - one center stone .96 ct I'-I, 2 side stones .18 ct; plat. setting, make offer. 294-7216.

MAPLE SYRUP - from my family's farm in Vt. Peter, Ext. 7687 or 744-1112.

STAPLES COLOR PRINTER INK - compatible with Lexmark 20 color ink, \$3. Richard, Ext. 7013.

WATCH BATTERIES - replaced, drop off at lunch, p/u next day, Dec. spcl start at \$5 on in-stock batteries. 513-9106.

XMAS TREE - 7', excel. cond. \$50. Ext. 7505.

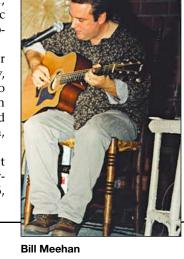
# Free

CHEST OF DRAWERS - solid wood, dovetailed drawers, 38"w x 31"h, needs paint, you pick up. Ext. 7687 or 744-1112.

TABLE-TOP VENDING MACHINE - Adjabl dispnsg racks for delivering candy bars to bags of Chips. New in box. 588-1214.

# Wanted

CHRISTMAS TREE - Need a big size tree. Mamta, Ext. 3639 or 355-5630.



# **Give Warm Coats**

Gently used coats are being collected at Berkner Hall Cafeteria by Ray Hernandez, Food Service Director for Nayyarson Corp., as part of a community service sponsored by Longwood High School, where Hernandez's son Danny is a student, and BNL's United Way Volunteers effort. Drop coats of any size at the cafeteria between 8 a.m. and 4 p.m.

# BERA Party, 12/15

Tickets are now on sale at the BERA Store for the BERA Holiday Party, to be held at the Brookhaven Center on Friday, December 15, at 5:30 p.m. Tickets cost \$35 per person and include hors d'oeuvres, three hours of beer, wine and soda, dinner buffet, desserts, and DJ entertainment. Door prizes will be awarded. For more information, contact Christine Carter, Ext. 5090.

# For Rent

BELLPORT - studio apt. w/loft bedroom, Direct TV & util. incl., 1 mo. sec. req'd. \$900/mo. 286-7088.

BROOKHAVEN - charming house in Brookhaven Hamlet, very quiet area, use of kitchen, washer dryer, rent includes all. \$520/mo. Sidney, 286-4028.

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

N. PATCHOGUE - room(s) in house w/sec. alarm & prkg, pvt. ent., furn.; incls. util., shre kit/bath, min 3-mnth stay. \$500/mo./neg. 447-6899 or revstewart@aol.com.

SHIRLEY - Ig. 1 br, sep. ent., no smkg/pets, + sec. \$1,000/mo. Maria, 399-1756. SMITHTOWN - Ig. bdrm., L/R, eik, a/c, cable, util. incl., pvt. ent., off-str. pkg., no pets/smkg., nr golf, town, 35 min. to BNL. \$1,100/mo. Angelo, 516-983-8037.

SOUND BEACH - 3 bdrm house, water view, 100 ft. to beach, I/r, d/r, f/m, eik, f/p, c.a.c., c.vac, deck, 20 min to BNL, util. not incl, opt. to buy. \$1,700/mo. Ext. 7588 or 744-1855.

# For Sale

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

MIDDLE ISLAND - Stathmore-on-the-Green private community, 3 bdrm., 2-1/2 bath, den, formal d/r, on 17th fairway, gated community, 11 min. to BNL dr to dr. \$369,000/neg. Michael. Ext. 7941 or 345-0605.

YAPHANK - condo, 5 min. from Lab, 3 bdrm., 1.5 bath, gar., bsmnt., immac., move-in cond., pics at www.mlsli.com #1883277. \$319,000. 949-6109.

ST. MARTIN, CARIBBEAN - 2 connected apartments, use sep. or together, sleep 6, Timeshare, high season, breathtaking view, pvt. beach, pool, tennis, must sell, price for both: \$6,000/neg. 821-1435.

WESTMINSTER, CO - 2-bdrm. condo, a/c, f/p, loft, vaulted ceilings, igp, terrace, gar., 45 min to Rocky Mt. Nat. Pk, 25 min. to Denver, ideal vac. spot. \$115,000. Ext. 2347.

# On-Site Services

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



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