

STATE

Volume 42 ■ Number 13

February 4 - 17, 2008

THE FACULTY/STAFF BULLETIN OF FLORIDA STATE UNIVERSITY

MATHEMATICS

American Institute of Aeronautics and Astronautics bestows fellowship, **3**

MAGNET LAB

Innovative magnet design will light up scientific world, **4**

BUSINESS

Bank of America grant will create banking and financial studies center, **6**

THE REZ

New program welcomes families for overnight fun, **8**

SPREAD THE WORD

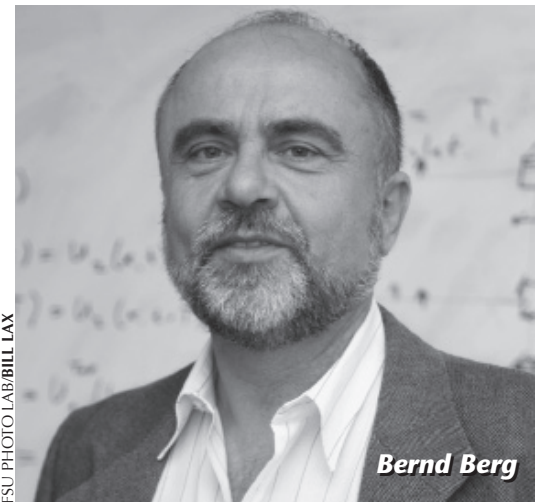
The Florida State University Claude Pepper Center for Intercultural Dialogue will bring together world leaders from Africa and the Middle East on Feb. 11 for a first-of-its-kind intercultural dialogue, "Bridging Civilizations," at the FSU Alumni Center.

Berg earns Humboldt award

By Barry Ray
NEWS AND PUBLIC AFFAIRS

A Florida State University researcher who has spent three decades investigating the mysteries of particle physics through computer simulations has achieved one of academia's top distinctions. Bernd Berg, the Dirac Professor of Physics at FSU, has been chosen to receive Germany's Humboldt Research Award, given to outstanding academics who are at the peak of their careers.

"I am very happy to be honored in this way by my home country," said Berg, who has dual citizenship in the United States and Germany. "My research that led to this award would not have been possible without the continuous support of FSU, in particular the physics department, which allowed me sufficient time for research away from administrative and teaching duties."



Bernd Berg

The Humboldt Research Award is presented to outstanding scientists and scholars from all disciplines whose fundamental

Please see HUMBOLDT, **8**

Targeting tuberculosis

Cross, Magnet Lab receive \$2 million grant

By Amy Winters Mast
NATIONAL HIGH MAGNETIC FIELD LABORATORY

About 5,000 people around the world die from tuberculosis every day, but no effective



Timothy A. Cross

new drugs have been developed to combat it in 40 years. Researchers at the National High Magnetic Field Laboratory at Florida State University hope to change that through research made possible by a \$2-million grant from the National Institutes of Health.

The award will make it possible for Timothy A. Cross, the Earl Frieden Professor of Chemistry and Biochemistry at FSU, and his team to work toward arming drug developers with a map of the proteins on the bacteria's surface that are vital for infection.

Because it isn't often seen in the news in the United States, TB often is overlooked, but it remains one of the globe's most deadly infectious diseases. The bacterial infection primarily attacks the lungs, causing 2 million

Please see CROSS, **10**

[Redacted]

[Redacted]

[Redacted]

[Redacted]



[Redacted]

[Redacted]

"This is the worst war for families since World War II. In part, it's because of the intensity and multiple deployments. If you look at the end of the line, it's the children. They're veterans, too." Charles Figley, director of the Traumatology

Institute at Florida State University, as quoted by *Republican American*, Jan. 13. Figley was discussing how the current U.S. military deployments in Afghanistan and Iraq can be emotionally challenging for young children who are separated from an active-duty parent.

FSU makes headlines around the world: www.fsu.edu/~unicomm/news

Hussaini elected fellow of aeronautics institute

By Jill Elish

ASSISTANT DIRECTOR, NEWS AND PUBLIC AFFAIRS

One of Florida State University's most eminent scholars has been elected a fellow of the American Institute of Aeronautics and Astronautics.

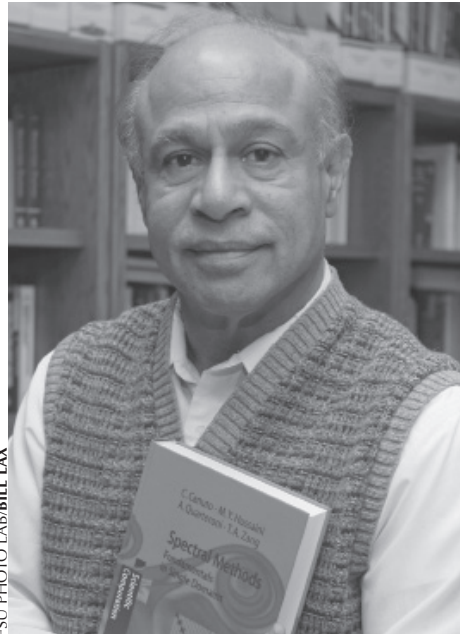
M. Yousuff Hussaini, the Sir James Lighthill Professor, is one of 30 fellows and three honorary fellows elected for 2008. The AIAA bestows the distinction of "fellow" on members who have made notable and valuable contributions to the arts, sciences or technology in aeronautics or astronautics.

"I am honored and quite pleased with this recognition," Hussaini said.

As a leader in applied mathematics, Hussaini is most deserving of the AIAA honors, FSU Provost and Executive Vice President for Academic Affairs Lawrence G. Abele said. Hussaini will be recognized in May at a ceremony in Washington, D.C.

"Professor Hussaini is renowned for bringing new insights to a wide variety of problems, especially those in fluid dynamics, and devising very creative solutions that lead to real breakthroughs," Abele said. "He is enormously productive, training a large number of postdoctoral students and publishing at an almost unbelievable rate. He brings attention, prestige and honor to Florida State University."

Hussaini helped to establish FSU's



FSU PHOTO LAB/BILL LAX

M. Yousuff Hussaini

School of Computational Science and was given the honorary title of founding director. Since coming to FSU in 1996, Hussaini's work in computational aeroacoustics has culminated in the correct prediction of the noise spectrum of a chevron nozzle, a high-technology noise suppression design used in such state-of-the-art aircraft as the forthcoming Boeing 787.

His work in the field of cryogenics may have ramifications for fuels that will propel far-future generations of

spacecraft, and his work in the nano-fluid field has focused on application of nanotechnology that has relevance to cleaning critical particle contamination of space optics, semiconductor devices, magnetic hard disk read heads and other micro-devices. His ongoing research program in nanomaterials comprises experiment, theory and large-scale computation, which may pave the way for new nanoscale systems and composite materials for space radiation shielding, photovoltaic cells, blast-resistant armors and enhanced thermal conducting films for microchip cooling.

Hussaini has published more than 200 articles, co-authored three books and edited or co-edited 20 volumes. He is editor-in-chief of *Theoretical and Computational Fluid Dynamics*, and editor of *Applied Numerical Mathematics; Concurrency and Computation; and Computing in Science and Engineering*. He is an associate editor of the *Journal of Turbulence*.

He also is an editor of the Springer-Verlag Series on Scientific Computation and the Oxford Engineering Science Series and associate editor of the WIT Press series on Advances in Fluid Mechanics. He is a fellow of the American Physical Society and the Institute of Physics and a member of the Society for Industrial and Applied Mathematics.

Florida State University Board of Trustees

Chair

JIM SMITH

Vice Chair

HAROLD KNOWLES

DERRICK BROOKS

SUSIE BUSCH-TRANSOU

EMILY FLEMING DUDA

DAVID FORD

MANNY GARCIA

WILLIAM "ANDY" HAGGARD

JAMES E. KINSEY JR.

RICHARD MCFARLAIN

JOE O'SHEA

LESLIE PANTIN JR.

JAYNE STANDLEY



Vol. 42 • No. 13 • www.fsu.edu/~unicomm

The deadline for the
Feb. 18 - March 9, 2008 issue is
4:30 p.m. on THURSDAY, FEB. 7.



Vice President for University Relations

LEE HINKLE

Assistant V.P. and Director of University Communications

FRANKLIN D. MURPHY

Director of News and Public Affairs

BROWNING BROOKS

Editor in Chief

JEFFERY SEAY

Writers

JILL ELISH

LIBBY FAIRHURST

BARRY RAY

BAYARD STERN

State is the faculty/staff bulletin of Florida State University. It is published 16 times annually — every three weeks during the fall and spring semesters, and monthly during the summer — by the Florida State University Communications Group.

Submissions should be e-mailed to jsey@fsu.edu.

Underwriting is handled by the Florida State University Communications Group. Inclusion of underwriting does not constitute an endorsement of products or services. For rates, call Deborah McDaniel at (850) 487-3170, ext. 352.

People with disabilities who require special accommodation for any event listed in *State* should call the unit sponsoring the event, or for the hearing or speech impaired, use the Florida Relay Service at 1-800-955-8770 (voice) or 1-800-955-8771 (TDD). Requests for accommodations must be received at least five working days before the event. *State* is available in alternative format upon request.

Let there be Light

New magnet design could illuminate nanoscience and semiconductor research

By Amy Winters Mast
NATIONAL HIGH MAGNETIC FIELD LABORATORY

Engineers at Florida State University's National High Magnetic Field Laboratory have successfully tested the Split Florida Helix, a groundbreaking new magnet design that — when operational in 2010 — will have the ability to direct and scatter laser light at a sample not only down the bore, or center, of the magnet, but also from four ports on the sides of the magnet, while still reaching fields above 25 tesla. By comparison, the highest-field split magnet in the world attains 18 tesla. "Tesla" is a measurement of the strength of a magnetic field; 1 tesla is equal to 20,000 times the Earth's magnetic field.

Magnetism is a critical component of a surprising number of modern technologies, including MRIs and disk drives, and high-field magnets stand beside lasers and microscopes as essential research tools for probing the mysteries of nature. With this new magnet, scientists will be able to expand the scope of their experimental approach, learning more about the intrinsic properties of materials by shining light on crystals from angles not previously available in such high magnetic fields. In materials research, scientists look at which kinds of light are absorbed or reflected at different crystal angles, giving them insight into the fundamental electronic structure of matter.

The Split Florida Helix design represents a significant accomplishment for the magnet lab's engineering staff. High magnetic fields exert tremendous forces inside the magnet, and those forces are directed at the small space in the middle



Jack Toth



... that's where Mag Lab engineers cut big holes in it.

"You have enough to worry about with traditional magnets, and then you try to cut huge holes from all four sides from which you can access the magnet," said lab engineer Jack Toth, who is spearheading the project. "Basically, near the midplane, more than half of the magnet structure is cut away for the access ports, and it's still supposed to work and make high magnetic fields."

Magnet engineers worldwide have been trying to solve the problem of creating a magnet with side access at the midsection, but they have met with little success in higher fields. Magnets are created by packing together dense, high-performance copper alloys and running a current through them, so carving out empty space at the heart of a magnet presents a huge engineering challenge.

Instead of fashioning a tiny pinhole to create as little disruption as possible, as other labs have tried, Toth and his team created a design with four big elliptical ports crossing right through the midsection of the magnet. The ports open 50 percent of the total space available for experiments, a capability the laboratory's visiting scientists have long desired.

"It's different from any traditional magnet that we've ever built before, and even the fabrication of our new parts was very challenging," Toth said. "In search of a vendor for manufacturing the prototypes, I had phone conversations where people would promise me, 'Jack, we looked at it from every possible angle and this part is impossible to machine.'"

Of course, that wasn't the case, and the model coil, crafted from a mix of copper-beryllium blocks and copper-silver plates, met expectations during its testing in a field higher than 32 tesla with no damage to its parts.

Though the National Science Foundation-funded model has reached an important milestone, years of work will go into the final product. The lab hopes to have a working magnet for its User Program by 2010, and other research facilities have expressed great interest in having split magnets that can generate high magnetic fields.

Nominations sought for Lawton professorship

The Florida State University Robert O. Lawton Distinguished Professorship Committee is seeking nominations from which to name the 2008 Lawton Distinguished Professor. The nomination deadline is Feb. 15.

The Lawton Distinguished Professorship is the highest honor awarded by the FSU faculty to one of its own. As such, nominations are sought from individual faculty members, rather than departments, colleges or administrative units.

Nominees should be professors who have earned tenure, who have

been at FSU at least 12 years and who have achieved true distinction in their disciplines or professions.

A folder, prepared by the nominator, should contain a comprehensive curriculum vita for the nominee, along with evidence of outstanding scholarship, teaching and service to the university and to his/her profession.

The nomination should include two to four letters of recommendation from individuals from within the university and three to five letters from colleagues elsewhere. A brief professional biography should be provided for the authors

of outside letters.

Nomination materials should be mailed to: The Robert O. Lawton Distinguished Professor Committee, Office of the President, Suite 211, Westcott Building, Mail Code 1470.

After the committee considers the nominations, it makes a recommendation to the university president, who appoints the Lawton Distinguished Professor.

Questions about eligibility and the preparation of nomination folders should be directed to Genevieve Scott, 644-0799.

Employees must follow university's legislative policies

The 2008 session of the Florida Legislature begins Tuesday, March 4. Florida State University employees must adhere to the following university policies:

- President T.K. **Wetherell** and Vice President for University Relations **Lee Hinkle** are the registered lobbyists for Florida State University.

- Assistant Vice President for Governmental Relations **Kathleen Daly** is registered to lobby for the State University System.

- No one on campus other than **Wetherell**, **Hinkle** or **Daly** is authorized to lobby for Florida State University or the State University System.

The Legislature periodically requests faculty and/or staff to attend committee meetings or to formally respond to questions about certain issues. FSU employees who are asked to appear before a committee must notify **Daly** at 644-4453 and submit a legislative contact form prior to making an appearance. The form can be found at www.fsu.edu/~govrel. Employees

who have difficulty accessing the form should contact Governmental Relations at 644-4453 to obtain a hard copy.

A campus network of legislative liaisons representing each university division is currently in place. The 2008 legislative liaisons are: Academic Affairs, **Anne Blankenship**, 644-0170; Athletics, **Margie Sullivan**, 645-3249; Budget and Analysis/Controller's Office, **Ralph Alvarez**, 644-4203, and **Michael Lake**, 644-2478; College of Communication, **Bob Pekurny**, 644-3462; College of Education, Dean **Marcy Driscoll**, 644-6885, and **Lynn Wicker**, 644-2090; College of Medicine, Dean **Ocie Harris**, 644-1346; Diversity, Enhancement and Compliance, **Renisha Gibbs**, 644-8082; Faculty Senate, **James Cobbe**, 644-7091; Finance and Administration, **Terry Fulcher**, 645-4926; Financial Aid, **Darryl Marshall**, 644-1993; Florida High, **Lisa Gardner**, 245-3703; Governmental Relations, **Kathleen Daly**, 644-4453; Human Resources, **Joyce Ingram**, 644-5457; Labor Relations, **Rob-**

ert Henley, 644-4847; Laboratory Animal Research, **Rob Werner**, 644-4262; National High Magnetic Field Laboratory, **Susan Ray**, 645-4864; Office of Research, **Beth Hodges**, 644-3347; Physical Plant/Campus Design, **Dennis Bailey**, 644-3369, and **Steve Adamick**, 644-8136; Purchasing, **Marcie Doolittle**, 644-9719; SGA Legislative Affairs, **Matthew Tuckman**, 644-1653; Student Affairs, Vice President **Mary Coburn**, 644-5590, and **Liz Maryanski**, 644-5590; Student Government, **Joyce Howard**, 644-0939; University Relations, **Dawn Randle**, 644-4989; and University Attorney, **Mike Cramer**, 644-4440.

Through this network, legislation that affects the university is routinely routed to appropriate departments and offices for timely responses and/or information.

These responses are routed back to the division liaisons, to the Office of Governmental Relations and, ultimately, to the lobbyists who will serve collectively on the university's behalf.

By the way ...

- Florida State University Professor Bahram H. Arjmandi, who is the chairman of the Department of Nutrition, Food and Exercise Sciences, is seeking postmenopausal women who have not been on hormone replacement therapy during the past 3 months to participate in a study on the effects of polyphenol-rich fruits on increasing bone mass. Participants will receive bone-density and blood-chemistry analyses, and

monetary compensation for their time. To learn more about this study, please call 800-951-4490 or 645-7169 before March 15.

- Habitat for Humanity at FSU will hold a 5K Run/Walk on Saturday, March 1, to raise funds for the construction of a house. Registration begins at 8 a.m. and the event begins at 9 a.m. from Tully Gym. To obtain a registration form, visit www.fsuhabitat.org. If registered before Feb. 20: \$12 with a T-shirt; \$9 without a T-shirt. If

registered after Feb. 20: \$15 with a T-shirt; \$10 without a T-shirt. The group rate for more than five people is \$10 per person.

- As a result of budget tightening, *State* now is being printed on less-costly, lighter-weight paper. In addition, beginning with the Feb. 18 issue, *State* will be published every three weeks, instead of every two weeks. As usual, the deadline for the subsequent issue will be published in the masthead on Page 3.

Business receives \$2M from Bank of America

Florida State University's College of Business has announced a \$2-million grant from the Bank of America Charitable Foundation to establish the Gene Taylor/Bank of America Center for Banking and Financial Studies. Housed in the college's Department of Finance, the center will be used to encourage excellence in education, and fund research and service activities related to banking and finance.

"This grant will allow us to hire and retain high-profile, high-quality faculty," said Caryn Beck-Dudley, dean of Business. "We will be able to bring more visiting financial experts to campus and provide faculty and students state-of-the-art research tools, such as access to valuable industry databases."

Taylor, a Florida native who obtained his bachelor's degree in finance from the FSU College of Business, retired from Bank of America in December 2007 after a distinguished 38-year banking career. He held a number of leadership positions with Bank of America, culminating as vice chairman and president of Global Corporate &

Investment Banking. He served as Florida president for NCNB, predecessor to Bank of America, from 1990 to 1993, and served as president again after the NationsBank and Barnett Bank merger in 1997.

"This grant is a fitting way to honor Gene's leadership and legacy of service to our state, Bank of America and his alma mater, which has helped to develop so many of our company's current and future leaders," said Susan Walker, Florida president of Bank of America.

During the event, Taylor reflected on his career and thanked the bank and FSU. "When I left Florida State in 1969 to begin with NCNB, I could never have imagined how far this journey would take me," he said. "It is a wonderful thing for my family and me — and a tribute to all those associates who helped me along the way — to have it end right where it began. I am honored and humbled to be part of the enduring link between Bank of America and this outstanding university."

The Bank of America Charitable

The Gene Taylor/Bank of America Center for Banking and Financial Studies will serve as a liaison between the academic community, the banking and finance industry and the public. Specifically, the center will provide:

Faculty support

Salary enhancements, such as professorships, will provide faculty with additional resources to generate more research.

Student support

Graduate student stipends will be bolstered to retain and attract the best students.

Competitive research grants

More resources will allow faculty to focus fully on research during the summer that will appeal to the most prestigious finance journals. This also will provide students with more research opportunities.

Databases

Finance research typically focuses on empirical studies of market data related to investments and corporations, but these databases are costly. FSU wants to increase its database offerings for faculty research and classroom teaching.



One hefty check: Pictured at the Florida State University College of Business' ceremony to announce the creation of the Gene Taylor/Bank of America Center for Banking and Financial Studies are, from left, Susan Walker, the Florida president of Bank of America; Mike Fields, the Tallahassee president of Bank of America; Alex Sink, the state of Florida's chief financial officer; Caryn Beck-Dudley, the dean of the College of Business; Gene Taylor, the retired vice chairman of Bank of America who now is the president of the Global Corporate and Investment Bank; T.K. Wetherell, the president of FSU; and Lawrence G. Abele, the provost and executive vice president of FSU.

Foundation has been a longtime supporter of the College of Business, providing more than \$2 million in direct grants and matching gifts that have grown into nearly \$5 million in various endowments over the past several years. The funds support the Bank of America Eminent Scholar Chair, two professorships, a new internship initiative and other continuous improvement projects. The new \$2-million grant will be in line to be matched by state funds.

"We thank Bank of America for this grant and their continued support of our students and faculty," Wetherell said. "This goodwill helps advance Florida State University's reputation as one of the nation's top public graduate research institutions."

More FSU students choose finance as a first or second major than any other degree program on campus.

FSU PHOTO LAB/MICHELE EDMUNDS

Magnet Lab to open its doors for 'Science in Action'

By Bayard Stern
NEWS AND PUBLIC AFFAIRS

A powerful current of scientific wonders is generated every February, attracting thousands of positively charged students, parents and teachers to Tallahassee's Innovation Park. It's caused by the annual National High Magnetic Field Laboratory open house, and this year, the pull is calculated to be stronger than ever.

The 2008 open house, dubbed "Science in Action," will be held at the Magnet Lab on Saturday, Feb. 23, from 10 a.m. to 3 p.m., at 1800 E. Paul Dirac Drive.

The educational and fun-filled event offers a chance for the public to explore the record-breaking 45-tesla hybrid magnet, the 900-megahertz superconducting magnet and other powerful research instruments. Booths will line the hallways of the 330,000 square-

foot facility, featuring scientific explanations, hands-on demonstrations, and activities related to physics, chemistry, and biology, among others.

This year's Open House also marks the first time the Magnet Lab's Applied Superconductivity Center, located in the neighboring Shaw Building, will be open to the public. ASC staff will conduct demonstrations related to the science and applications of superconductivity, including a train that moves without touching the tracks by using superconducting technology.

"With information and activities targeting a variety of ages, Open House grows more and more popular every year," said Susan Ray, director of public affairs at the Magnet Lab. "It's a unique opportunity to show the community how fun and accessible science can be."

Some of the "stranger-than-science-

fiction" displays, demonstrations and activities planned for this year include:

- gravity-defying liquid oxygen, "dripping up" to meet a magnet;

- a Van de Graaff generator that will demonstrate how a dose of static electricity can result in a bad hair day;

- "Atomic Spectra" featuring a gas exciter and light bulbs filled with different gases such as helium, hydrogen and neon;

- a potato-firing cannon that demonstrates the power of pressure; and

- the popular "shrinking quarter machine," which uses a single-shot pulse magnet to shrink a quarter to about the size of a dime.

This year's Open House will mark the debut of a series of talks on magnetism, electricity and superconductivity that are geared toward high school-college students and adults with an interest in science.

Sabbaticals, professional development leave awarded to 42

The Florida State University Office of the Dean of the Faculties has announced that the following university faculty members have been granted sabbaticals or professional development leave for the 2008-2009 academic year.

One-semester sabbaticals

Paolo B. Aluffi, Mathematics; Amy B. Chan Hilton, Civil and Environmental Engineering; Mary Karen Dahl, Theatre; Debra Ann Fadool, Biological Science; James M. Fadool, Biological Science; Piotr G. Fajer, Biological Sci-

ence; Lilian Garcia-Roig, Art; Dean H. Gatzlaff, Risk Management/Insurance, Real Estate and Business Law; Kenneth A. Goldsby, Chemistry and Biochemistry; Aline H. Kalbian, Religion; Milton H. Marquis, Economics; Nicholas F. Mazza, Social Work; Michael Meredith, Biological Science; Jeffrey A. Milligan, Educational Leadership and Policy Studies; Richard J. Morris, Communication Disorders; Mary E. Pohl, Anthropology; Don E. Schlagenhauf, Economics; and Nathan Stoltzfus, History.

Alternate for one-semester sabbaticals

John R. Reynolds, Sociology.

Two-semester sabbaticals

Ettore Aldrovandi, Mathematics; Paul M. Beaumont, Economics; Allan J. Clarke, Oceanography; Barry A. Diskin, Risk Management/Insurance, Real Estate and Business Law; Sergio R. Fenley, Mathematics; Joann L. Gardner, English; Timothy D. Glenn, Dance; David C. Houle, Biological Science; Monica K. Hurdal, Mathematics; William Earle Klay, Askew School of Public Administration and Policy; Reinier Leushuis, Modern Languages and Linguistics; Cesar A. Luongo, Mechanical Engineering; Anke Meyer-Baese, Electrical and Computer Engineering; Uwe H. Meyer-Baese, Electrical and Mechanical Engineering; Rebecca S. Miles, Urban and Regional Planning; Jorge Piekarewicz, Physics; Briley E. Proctor, Educational Psychology and Learning Systems; John R. Quine, Mathematics; Laura Reina, Physics; and Huan-Xiang Zhou, Physics.

Professional development leave

One-semester awards at full pay, or the equivalent: Susan A. Epstein, The Career Center; Ronald J. Pierno, Accounting; and Steven W. Ramsier, Statistics.

FSU Council on Research and Creativity Multidisciplinary Support Grant

Florida State University's Council on Research and Creativity has awarded a single Multidisciplinary Support Grant for the 2007-2008 academic year.

Bahram Arjmandi, chairman and professor of the FSU Department of Nutrition, Food and Exercise Science, along with research associates from the National High Magnetic Field Laboratory, received \$25,000 for "Studies on Age-Related

Disorders Utilizing Nutrition, Exercise and Magnetic Resonance."

Multidisciplinary Support Grants — formerly known as Interdisciplinary Support Grants — continue to provide up to \$25,000 for the establishment of multidisciplinary studies, workshops or conferences that result in new research initiatives. Three Multidisciplinary Support Grant proposals were submitted this year.

Families can camp under the stars at The Rez

By Bayard Stern
NEWS AND PUBLIC AFFAIRS

A new program of Florida State University's Outdoor Pursuits has been created to give families an opportunity to escape the hustle and bustle of "city living" by offering a night of camping and activities at the FSU Reservation.

The inaugural "Family Camp Out at the Rez," scheduled for Feb. 22 and March 28, have been developed to make the camping experience easy and enjoyable for first-time and veteran campers alike. The staff of Outdoor Pursuits will be on hand to help campers set up their tents, lead outdoor

games and suggest things to see and do around Lake Bradford.

All of the necessary camping equipment, including tents and sleeping bags, is included in the price of admission, along with dinner and a snack.

"We want this to be a camping adventure designed for the entire family," said Lee Murphy, director of the FSU Reservation and Outdoor Pursuits. "This event will have organized activities and games for kids of all ages. There will be plenty of fun for all. We're looking forward to serving our soon to be 'world famous' hobo dinner and making s'mores around the campfire."

Space for the campout is limited and reservations are given on a first-come, first-served basis, so people are encouraged to register early. The cost for FSU students and faculty and staff members is \$12 per camper; all others pay \$15.

Campers should bring appropriate clothing and closed-toe footwear, and are encouraged to bring a camera. Restrooms will be available near the campsite.

Outdoor Pursuits is part of FSU's Office of Campus Recreation. To register for the campout or for additional information, call 644-2449.

Doran to headline February's Teaching Excellence Series

Florida State University Assistant Professor of Finance James Doran will discuss "How to Scream at Your Students and Get Away With It" at this month's Teaching Excellence Series session for faculty and staff members, and graduate teaching assistants.

Doran's talk, which will give insight into how best to prepare students for the often rough-going of the real world, will be Thursday, Jan. 24, from 3:30 to 4:30 p.m., in the Starry Conference Room, 214 Rovetta Business Building.

A 2007 FSU Undergraduate Teaching Award-winner, Doran believes that instructors can show their students that they care about them and their education while still being demanding.

Doran's research interests include



James Doran

the study of derivatives, empirical asset pricing and investments. This semester, he is teaching the class "Investment Theory, Option Pricing and

Financial Risk Management." His article "The Influence of Tracking Error on Volatility Premium Estimation" was published in the spring 2007 edition of the *Journal of Risk*, and he soon will have articles published in the *Journal of Banking and Finance* and the *Journal of Futures Markets*. Doran has been teaching at FSU since 2004.

The Teaching Excellence Series, sponsored by the Center for Teaching and Learning, provides an opportunity for faculty and graduate teaching assistants to join Teaching Award winners for discussions on important topics that are relevant to the FSU teaching community.

For more information or to register for the workshop, visit ctl.fsu.edu.

HUMBOLDT, from page 1

discoveries, new theories or insights have had a significant impact on their own discipline and who are expected to continue producing cutting-edge achievements in the future. Award winners are invited to spend a period of six to 12 months on academic collaboration with colleagues in their field in Germany. The award is valued at 60,000 euros, or approximately 88,000 U.S. dollars.

"This is a well-deserved honor for Dr. Berg that also brings increased stature and international recognition to our department and university," said Mark Riley, chairman of the FSU Department

of Physics.

"This award reflects the outstanding contributions Dr. Berg has made to physics and to computational science," added Max Gunzburger, director of FSU's School of Computational Science, where Berg also serves on the faculty.

Berg's research is within an area of physics known as quantum field theory, which arose in the 20th century as a way of answering some of the most fundamental questions of matter.

For example, "We learn in school that the nucleus of an atom is made up of positively charged particles called protons, and we also learn that positive particles repel each other," Berg said. "So the question is: Why does the

nucleus not fall apart?"

Studying the behavior of the smallest particles of matter requires the use of some of the world's most powerful computers. It was one such computer, housed in what was then known as the Supercomputer Computations Research Institute at FSU, that first attracted Berg to the university in the mid-1980s. In the two decades since, he has pioneered the use of computers to perform complex simulations, developing methods that often cross the boundaries between fields of science.

Berg earned his Ph.D. in 1977 at the Free University of Berlin. He became assistant professor at Hamburg University in 1978, a position he held until 1984.

TRAINING AND ORGANIZATIONAL DEVELOPMENT

■ **TRAINING CLASSES:** The following classes are free to employees and are held at the Training Center, Stadium Place, unless otherwise indicated:

- *Compensation Processes* (4156): Feb. 18-M, 1:30-4:30 p.m.;
- *Domestic Security Awareness* (for classroom professionals) (4194): Feb. 6-W, 1:30-4 p.m.;
- *DROP* (Metlife) (4355): Feb. 14-R, rescheduled for 9-10 a.m. (previously scheduled from 10 to 11 a.m.);
- *Firearm Safety in Your Home* (4331): Feb. 13-W, 9-10 a.m.;
- *How to Deal with Difficult People* (4179): Feb. 7-R, 8:30-11 a.m. (part of the Communication Certificate Series);
- *International Graduate Students: They're Admitted ... What's Next?* (4189): Feb. 20-W, 8:30-10:30 a.m. (part of the FSU Internationals Certificate Series);
- *Nonverbal Communication: Unspoken Messages in the Workplace* (4180): Feb. 14-R, 1:30-4:30 p.m. (part of the Communication Certificate Series);
- *Performance Evaluation Training* (for supervisors and BSP) (4168): Feb. 20-W, 1-4 p.m.;
- *Sexual Harassment Policy Information Training* (4326): Feb. 5-T (rescheduled from Jan. 30), 2-3 p.m.;
- *Sexual Harassment: What You Need to Know!* (for supervisors and BSP) (4315): Feb. 19-T, 2-4 p.m.; and
- *Workplace Accidents: Prevention and Management* (for supervisors and BSP) (4171): Feb. 6-W, 9-11 a.m.

Registration: hr.fsu.edu/train (reference the 4-digit class ID). **Information:** 644-8724.

■ OMNI TRAINING:

- *OMNI-AM-1000 – Asset Management Overview* (4197): Feb. 6-W, 9 a.m.-noon, A6301 University Center;
- *OMNI-AM-1500 – Intermediate Asset Management Overview and Inventory Training* (4205): Feb. 6-W, 1:30-4:30 p.m., A6301 University Center;
- *OMNI-HR-3089 – HR Recruiting 8.9* (4220): Feb. 13-W, 8:30-11:30 a.m.;
- *OMNI-HR-3100 – eTime for Time and Labor Representatives and Supervisors 8.9* (4224): Feb. 13-W, 1:30-4:30 p.m.;
- *OMNI-PUR-1589 – Purchasing* (4303): Feb. 12-T, 8:30-11:30 a.m., A6301 University Center;
- *OMNI-SP-2089 – Sponsored Programs Proposal Development* (4232): Feb. 19-T, 9-11 a.m., 301 Student Services Building;
- *OMNI-TE-2189 – Travel and Expense for Representatives and Approvers* (4258): Feb. 12-T, 8:30 a.m.-3 p.m.; and
- *OMNI-TE-2589 – Travel Card Training* (4262): Feb. 14-R, 8:30-11:30 a.m.

Registration: hr.fsu.edu/train (reference the 4-digit class ID). **Information:** 644-8724.

■ **ONLINE TRAINING:** The following free training courses and/or programs can be taken online at any time:

- *Online Core Curriculum for Supervisors;*
- *Online Fundamentals of Discipline;*
- *Online Internal Controls;*

- *Online Performance Evaluation Training;*
- *Online Sexual Harassment Policy;* and
- *Online Sexual Harassment: What You Need to Know* (for supervisors and BSP).

Registration and information: Pat Mullins, 644-4579.

■ **NEW EMPLOYEE ORIENTATION:** New employees now can go through the required university orientation by using the Human Resources Web site at hr.fsu.edu. Click the "New Employee Information" link for registration and instructions for all sessions. For those who prefer a classroom session, New Employee Orientation will be offered on Monday, Feb. 4 and 18, from 8:30 a.m. to 4:30 p.m., in A6244 University Center.

■ **CERTIFICATE SERIES TRAINING:** The Office of Training and Organizational Development will offer the following certificate series training classes starting in February. Employees have up to one year to complete all the courses within a given series, which then will result in a certificate being earned. Participants should register for each individual course within the series.

COMMUNICATION IN THE WORKPLACE CERTIFICATE SERIES:

- *Fundamentals of Communication* (4178): Jan. 30-W, 1:30-4:30 p.m.;
- *Nonverbal Communication: Unspoken Messages in the Workplace* (4180): Feb. 14-R, 1:30-4:30 p.m.;
- *How to Deal with Difficult People* (4179): Feb. 7-R, 8:30-11:00 a.m.; and
- *Conflict Communication Skills* (4177): Aug. 13-W, 8:30-10:30 a.m.

FSU INTERNATIONALS CERTIFICATE SERIES:

Complete any four of the following six classes within one year to earn the certificate.

- *International Graduate Students: They're Admitted ... What's Next?* (4189): Feb. 20-W, 8:30-10:30 a.m.;
- *Untangling the Immigration System* (4191): Feb. 26-T, 1-4:30 p.m.;
- *Employing Foreign Nationals* (4187): March 14-F, 9:30-11:30 a.m.;
- *Green Card Process – Helping Your Faculty and Staff* (4188): March 19-W, 8:30-10:30 a.m.;
- *Understanding F-1 and J-1 International Students* (4190): April 2-W, 8:30-11:30 a.m.; and
- *Bridging Cultures for Service Excellence* (4186): April 23-W, 9:30 a.m.-1:30 p.m.

All classes will be held at the Training Center, Stadium Place. **Registration:** hr.fsu.edu/train. **Information:** 644-8724.

■ **SICK LEAVE POOL OPEN ENROLLMENT:** Membership applications only will be accepted by Human Resources during the open enrollment period from Friday, Feb. 8, until 5 p.m. on Thursday, Feb. 28. Eligibility requirements include, but are not limited to, full-time or part-time employment as a faculty, A&P or USPS employee who has been employed with the state or university continuously for one

Please see **THE SOURCE**, 10

year or more and has a sick leave balance of at least 72 hours after leave accruals process on March 6, 2008. For additional requirements, refer to the HR Web site address below.

Employees who join may receive up to 480 sick leave pool hours in a 12-month period for their personal serious illness or injury after using all their sick, vacation and compensatory leave. The maximum lifetime number of SLP hours a member may use is 960. The SLP committee reviews all applications and controls benefits used from the pool.

Upon acceptance, employees will be required to donate eight hours of sick leave to the pool. Employees will remain members until they leave the university or request in writing to be removed from the pool. The eight hours donated to the pool are non-refundable. Members may be asked to make additional donations if the pool balance falls below 240 hours. Members who terminate their employment also may donate up to 16 hours of their sick leave to the pool upon their separation from the university.

Employees can download the application for membership and get additional information on the Human Resources Web site: hr.fsu.edu/index.cfm?page=FacultyStaff_BenAndPerks_SickLeavePool.

Information: Lorna Fisher, lsfisher@admin.fsu.edu, 644-1978 or Michelle Gardner, mgardner@admin.fsu.edu, 644-9610.

BENEFITS / RETIREMENT

❖ FACULTY/SEASONAL DOUBLE DEDUCTIONS:

Double deductions for nine- and 10-month faculty and seasonal employees will begin with the Feb. 1, paycheck. Employees who are enrolled in health, life and supplemental plans will have double deductions taken from their paychecks to pay for the summer months. Double deductions begin with the first paycheck in February and end with the first check in May. These double deductions pay for premiums for June, July, August and September. Regular deductions will resume with the first paycheck in September. Em-

ployees should review their paycheck statements during the double deduction period to insure that their deductions are correct. **Information:** Benefits office, 644-4015.

❖ **DECEMBER 2007 RETIREES:** **Daniel Allen**, IT support specialist, University Computing Services; **Jon Bailey**, assistant professor, Psychology; **Richard Brinson**, program director, Oglesby Union Administration; **Ray Burggraf**, professor, Art; **Donald Crenshaw**, custodial worker, Building Services; **David Darst**, professor, Modern Languages and Linguistics; **Ralph Dougherty**, professor, Chemistry and Biochemistry; **David Downing**, law enforcement lieutenant, PCC Police and Public Safety; **Lynn Elliott**, assistant in research, Nursing; **Marc Freeman**, professor, Biological Science; **Robert Fulton**, professor, Chemistry and Biochemistry; **Vasken Hagopian**, professor, Physics; **Roy Herndon**, director, Center for Biomedical/Toxicological Research; **Ruby Krishnamurti**, professor, Oceanography; **Tiruvalam Krishnamurti**, professor, Meteorology; **George Macesich**, professor, Economics; **Patricia Martin**, professor, Sociology; **Virginia Nelson**, custodial worker, Building Services; **James Orcutt**, professor, Sociology; **David Rasmussen**, dean and professor, Social Sciences; **Robert Reardon**, assistant in research, Career Center; **Patricia Reeves**, departmental accounting associate, Environmental Health and Safety; **Sanford Safron**, professor, Chemistry and Biochemistry; **Harold Southerland**, associate professor, Law; **Roop Suchdeve**, grants compliance analyst, Sponsored Research Accounting; **Mary Sutherland**, professor, Middle and Secondary Education; **Lucille Thomas**, custodial worker, Building Services; **John Van Doren**, professor, Law; **Barbara Vaughn**, custodial worker, Building Services; **Mary Williams**, custodial worker, Building Services.

❖ INSURANCE PROVIDERS OFFER EXERCISE PERKS:

- *Capital Health Plan* (CHP) members are eligible to be reimbursed up to \$150 per calendar year (per household) for a membership at a qualified health and fitness center. **Information:** CHP member services (850) 383-3311.

- *VISTA* members may establish a membership at several health and fitness centers at no cost. To obtain a listing of the Florida participating fitness clubs, contact VISTA. **Information:** (850) 668-3000.

CROSS, from page 1

deaths around the world each year. Many of the world's poor are among its victims, and researchers have raised the alarm about drug-resistant strains of the infection, which, according to the Centers for Disease Control, now account for almost one in five new TB cases.

Some potential new treatments for TB already are being researched, said Cross, who also directs the magnet lab's Nuclear Magnetic Resonance program, but there is no knowing if those treatments will survive clinical trials.

"Trying to treat so much of the world with the same pharmaceuticals

is one of the best ways to develop more resistance to treatment, so it's important to come at this from as many angles as possible," he said.

"We've done a preliminary study that shows our work is viable, and we have a lot of preliminary data," Cross said of the research plan, expected to take five years to execute. His team, collaborating with the University of Kansas, the University of Alabama and Case Western Reserve University, will use the magnet lab's sophisticated 900 megahertz magnet, as well as other resources, to conduct its research.

Cross thinks the eventual development of a new family of TB drugs could attack the disease in a new and

more effective way. He explained that a specific set of proteins appears to be important to TB's ability to attack the body. His team will identify the "target" proteins that allow bacteria to infect lung tissue. When a drug binds to one of these proteins, it can render the protein ineffective, shutting down its ability to do harm.

"We ought to be able to solve the molecular structure of these drug targets," he said. "If you know the shape of the protein, then you can design a drug that can bind to it specifically. Getting detailed information about the correct drug target makes it far easier for the pharmaceutical companies to develop safer, more effective treatment."

Campus in Action

Compiled by Bayard Stern, bstern@fsu.edu

RECOGNITIONS

Michael L. Allen, Ph.D. (Music Education), was awarded the distinction of being named the 2008 College Music Educator of the Year at the annual conference of the Florida Music Educators Association, Tampa, Fla.

Maria Chavez-Hernandez, Ph.D. (Information), has been honored by the Florida Library Association with the announcement of the "Maria Chavez-Hernandez Libraries Change Peoples' Lives Award" for the dynamic spirit of her work in expanding the opportunities of information access to under served and immigrant populations. The award will recognize an individual library employee or group of employees who have made a demonstrably positive difference in the lives of Florida's library users.

Juan R. Guardia, Ph.D. (Multicultural Affairs), received the inaugural Richard McKaig Outstanding Doctoral Research Award sponsored by the Center for the Study of the College Fraternity. The award recognizes an outstanding doctoral dissertation completed by an individual who recently completed his or her doctorate of high quality research on the role of the fraternity and sorority in higher education. The award was announced at the annual meeting of the Association of Fraternity Advisors, Cincinnati, Ohio, December 2007.

James Licklider (Medicine) earned the designation

of Certified Research Administrator awarded by the Research Administrators Certification Council.

Wei Yang, Ph.D. (Chemistry and Biochemistry/Computational Science/Molecular Biophysics), was awarded the American Chemical Society's Computers in Chemistry Division's Hewlett Packard Outstanding Junior Faculty Award for his developments on "Problem Oriented Sampling Design Towards Quantitative Biomolecular Simulations."

BYLINES

Gary A. Knight, Ph.D. (Marketing), co-wrote the book chapter "International Management in the Face of Terrorism-Induced Uncertainty," with P. Liesch, J. Steen and M. Czinkota in the book "21st Century Management," edited by C. Wankel, published by Sage Publications, 2007; and co-wrote the article "Conceptualizing Accelerated Internationalization in the Born Global Firm: A Dynamic Capabilities Perspective," with J. Weerawardena, P. Liesch and G. Mort, published in the *Journal of World Business*, Vol. 42, No. 3, 2007; and wrote the article "International Services Marketing: Review of Research, 1980-1998," that was originally published in the *Journal of Services Marketing*, Vol. 13, No. 4, (1999), reprinted in the book "International Marketing," edited by S. Paliwoda, and J. Ryans, published by

Emerald Group Publishers, 2007; and co-wrote the article "Innovation, Organizational Capabilities, and the Born-Global Firm," with S.T. Cavusgil, originally published in the *Journal of International Business Studies*, Vol. 35, No. 2, 2004, reprinted in the book "International Entrepreneurship," edited by B. Oviatt and P. McDougall, published by Edward Elgar Press, 2007.

Leisa A. Martin, Ph.D. (Social Studies Education), wrote the article "Book Review of Democratic Education for Social Studies: An Issues-Centered Decision Making Curriculum" published in the journal *Action in Teacher Education*, Vol. 29, No. 3.

Bruce Thyer, Ph.D. (College of Social Work), wrote the book "Publishing Research Articles," published by Oxford University Press, 2008; co-wrote the article "Suggestions to Improve Social Work Journal Editorial and Peer Review Processes" published in the journal *Research on Social Work Practice*, Vol. 18, 2008; co-wrote the chapter "Case Study: It's My Pleasure" published in the book "The Evidence-based Internship: A Field Manual," published by Oxford University Press, 2008; and co-wrote the paper "Evaluating Wrap-Around Services for Seriously Emotionally Disturbed Youth: Preliminary Outcomes in Georgia," published in the journal *Adolescence*, Vol. 42, 2007; and co-presented "Publishing Empirical Studies in Social Work: Writing Articles that Matter," "Issues in Teaching Evidence-Based Practice," "Exercise as an Evidence-Based Intervention for Clinical Depression in Older Adults: A Meta-Analysis of Randomized Studies 2000-2006," "Putting Evidence into Practice: Mobilizing University-Community Partnerships" and "Journal

Publications Practices in Social Work," all presented at the annual conference of the Society for Social Work and Research, Washington, D.C., January.

Tom Welsh, Ph.D. (Dance), co-wrote the article "Analysis of Pelvic Alignment in University Ballet Majors" with Jennifer Deckert of the University of Wyoming and Sarah Barry of the University of Alabama, published in the *Journal of Dance Medicine and Science*; Welsh also was elected vice-president of the International Association for Dance Medicine and Science.

PRESENTATIONS

Russell Sandifer (Dance) designed lighting for the dance "Les écaillés de la mémoire" (The Scales of Memory), which is an evening length work choreographed by **Jawole Willa Jo Zollar**, M.F.A. (Dance), and Germaine Acogny, and performed by the combined companies of the Urban Bush Women and Compagnie Jant-Bi, and is scheduled to tour the nation; and Sandifer's lighting design for "Tzigane," as produced for The Suzanne Farrell Ballet, has been licensed by the Royal Ballet for a February performance.

SERVICE

Gerri Houlihan (Dance) taught a master dance class at Booker High School and at New College, Sarasota, Fla., December 2007; also taught a two week residency in Shanghai for the American Dance Festival and during their winter intensive; and Houlihan's choreography, "Every Little Movement," will be performed by the Fuzion Dance Company and will be directed by former FSU grad Leymis Bolanos-Wilmott, Sarasota, Fla.



FLORIDA STATE
UNIVERSITY

First Class
U.S. Postage

PAID
TALLAHASSEE, FL
PERMIT NO. 55

1600 Red Barber Plaza, Suite 104
Tallahassee, FL 32310-6068

Teach with **Technology**

Learn with Passion

February 6th
FSU Oglesby Union
9 A.M. - 5 P.M.



The **FSU Computer Store** in partnership with the **FSU Center for Teaching and Learning** is presenting a one-day technology fair and showcase.

In addition to the traditional emphasis on the latest advancements in computer electronics and digital media, FSU faculty will share their experiences resolving instructional challenges in the 21st Century. Don't miss this premier combined event!

The **TECHFAIR** and Showcase will be held on **Wednesday, February 6 from 9 A.M. to 5 P.M.** at the Oglesby Union and is open to all faculty, staff, and students.

FSU Computer Store '08
TECHFAIR
& Teaching with Technology

