

## Flagship Faculty



### CRAIG FREEMAN

Associate Professor and Journalism Head in the Manship School of Mass Communication

#### What was your previous position and where?

I was an associate at the law firm of Kean, Miller, Hawthorne, D'armond, McCowan and Jarman, L.L.P.

#### What brought you to LSU?

I served as an adjunct for three semesters before joining the faculty full time. I truly enjoyed watching students grow with the law. When the dean approached me about joining the faculty, it was an easy decision.

#### What is your current title at LSU?

Associate Professor and Journalism Area Head.

#### What are your research interests?

My primary focus is media law – understanding the protections promised to the media and media responsibility in light of those promises. I also have been fortunate to work with colleagues in the Manship School on projects dealing with public opinion and media literacy.

#### What do you hope to accomplish at LSU?

Too many to list! As a professor of a large general education class (800 students), I hope I give students a better understanding of mass media and its impact on society. As a graduate advisor, I hope I help students grow intellectually and achieve their educational goals. As a researcher, I hope I can explain some of the mysteries of mass communication.

#### What do you enjoy most about LSU?

The school and the university's commitment to excellence. The administration provides the resources we need to make teaching and research outstanding.

#### What are your major accomplishments?

I hope the best accomplishments are still ahead of me. Professionally, I am most proud of the partnership between the school and Louisiana Public Television on "Louisiana Public Square." I am honored to serve as the host for the award-winning show. It's really a pleasure to work with the production staff at LPB and with Kirby Goidel and the team at LSU's Public Policy Research Lab. The partnership has been a valuable teaching tool in my class and helped produce quality research that has been accepted in one of the top journals in our field.

## LSU Visualization Lab Helps University Researchers See Data in New Ways

BY KRISTEN SUNDE

A virtual underwater environment in Second Life. A new, high-resolution video of neutron stars colliding. A 3-D movie of Hurricane Gustav's wind field that impacted coastal Louisiana and Baton Rouge. Live, streaming video to show elementary students the creepy crawlies that live on their skin and in their hair.

What do these seemingly unrelated projects have in common? They are all initiatives LSU faculty conducted using the University's Tier 2 Visualization Laboratory, located on the third floor of the Fred C. Frey Computing Services Center.

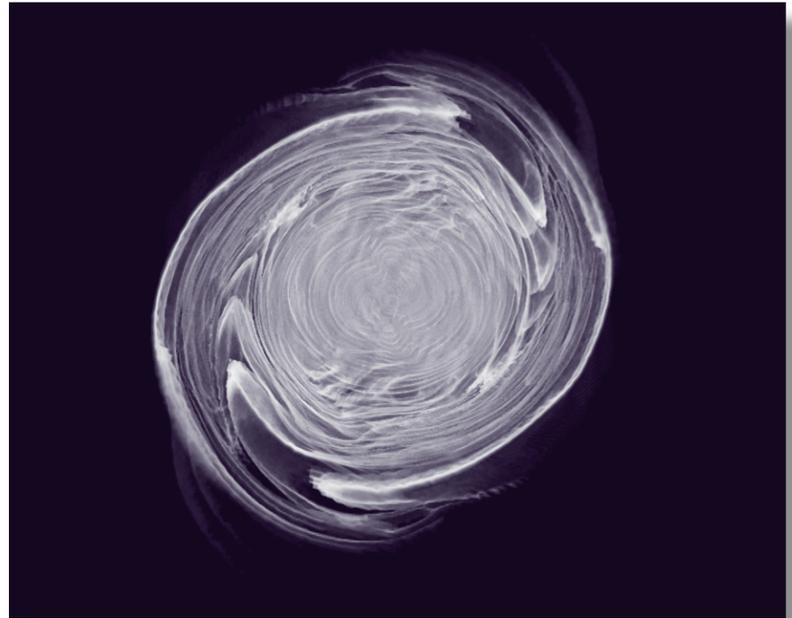
The LSU Center for Computation & Technology, or CCT, operates this laboratory as a resource for faculty across the LSU campus who need advanced visualization assistance. The laboratory features a large-scale visualization wall to project images. Faculty from any discipline can use the laboratory to collaborate with researchers who have experience in advanced scientific visualization.

The CCT's Visualization Consultant, Jinghua Ge, spent the past semester assisting faculty from disciplines including elementary education, physics, coastal studies and engineering with different projects.

"These services offer LSU faculty a new way to look at their data and develop solutions and models they could not do with traditional methods," Ge said. "In the coming semester, I look forward to meeting with faculty from disciplines across the campus to let them know more about this exciting resource and to show them how they can use scientific visualization to benefit their projects."

One project Ge worked on this semester was an initiative between CCT and the Department of Education to develop new ways of teaching science and technology to K-12 students. Using data from coastal studies, environmental engineering and basic sciences, Ge and graduate students working in the Tier 2 Visualization Laboratory created an underwater environment in Second Life. LSU has an island in Second Life, and the underwater space allows students to go there and experience an immersive ocean area. The students can manipulate weather data in this environment to see how different elements affect ocean life.

In another project, students of all ages can see highly magnified images of tiny, living organisms that thrive in Louisiana waters with a live visual stream from "Scope-On-A-



Pictured above is an example of scientific visualization by Werner Bengler and Marcel Ritter, researchers in the LSU Center for Computation & Technology

Rope," an LSU-developed hand-held analog microscope from the lab of Cindy Henk, research associate manager of the Socolofsky Microscopy Center in the Department of Biological Sciences. Ge and one of the lab's undergraduate student workers, Kevin Kolz, worked with Henk to create a live streaming process for this data. As students use the microscope, they can acquire images, which Ge set up to show live in Second Life. This way, students can go to the Second Life site and see live microscope images of microbes as the Scope-On-A-Rope is being used.

Ge also worked with LSU Department of Physics & Astronomy Professor Joel Tohline to better visualize his data of merging binary stars. Tohline already had conducted a movie simulation of this violent merger, but by collaborating with Ge, whose programming skills significantly enhanced the capabilities of an open-source visualization tool called VisTrails, he was able to analyze complex aspects of the merger in considerably more quantitative detail than had previously been possible.

Professor Q. Jim Chen, from the Department of Civil and Environmental Engineering, used the laboratory to create a 3-D film of Hurricane Gustav, which hit Baton Rouge on Sept. 1, 2008. Chen's research group developed a wind dataset for a 51-hour period during Hurricane Gustav and used the wind

field to drive their storm surge and wave models. Ge helped the group visualize these data to create a 3-D model that allows better and more in-depth analysis of the storm.

"Hurricanes are just one example of how scientific visualization is enabling breakthroughs that were not possible just a few years ago," Ge said. "Using these techniques, scientists can create more advanced models that take multiple elements into account, such as wind speed, storm surge and ocean waves, as well as the resultant coastal erosion and sediment deposition. These models help them study hurricanes more effectively, and in the future, this could lead them to develop better and more accurate early warning systems."

For more information on the Tier 2 Visualization Laboratory, please visit <http://www.cct.lsu.edu/avsl/vizservice.html>. Also, CCT and ITS have visualization consultants available in Middleton Library who can meet with LSU faculty, staff and students to let them know how they can take advantage of these services.

Users who already have Second Life installed can get a free avatar to explore the LSU Virtual Campus and see the visualization projects ongoing at: [http://slurl.com/secondlife/LSU CCT/212/184/22](http://slurl.com/secondlife/LSU%20CCT/212/184/22).

## LSU Engineers Develop Model for Forecasting Chemical Contaminants

BY ASHLEY BERTHELOT

A recent study by LSU engineers suggests that Katrina-flooded homes may contain harmful levels of contaminants, particularly aerosols and gases, which could expose first-responders, residents and any others entering such homes to serious and lasting health risks. The results could also be applied to similar flooding events that might occur in the future.

Nicholas Ashley, Louis Thibodeaux and Kalliat Valsaraj, all from LSU's Department of Chemical Engineering, developed a model describing various levels of contaminants, some of which are inhalable and therefore would not require direct contact for contamination to occur.

The paper was originally presented by Ashley, a Ph.D. candidate, at the national meeting of the American Institute of Chemical Engineers in November 2008, where it tied for first place with papers from MIT and the University of Iowa.

"The extensive sampling conducted by the Environmental Protection Agency and other government agencies post-Katrina was restricted solely to outdoor sediment," said Ashley. "We proposed that the material that gets inside the flooded homes could be different, and possibly more highly contaminated, than that deposited outside. It turns out that we were right."

The topic was an easy one to focus on, since all researchers involved were witness to the aftermath of Hurricane Katrina.

"As researchers from Louisiana, impacted by a major natural disaster, we felt obligated to understand the environmental chemodynamic effects in the state and develop mathematical means of forecasting concentration levels in future occurrences," said Louis Thibodeaux, Jesse Coates Professor of Chemical Engineering. "This research was undertaken to fully explore what likely pathways of exposure a major catastrophe such as Hurricane

Katrina might take in the future."

The study has already attracted a great deal of attention from peers within the engineering community, and earned the trio accolades from the publishing journal's editor-in-chief.

"This is an excellent and important study by one of the top research teams in the nation. It will help us better prepare first responders for the additional risks that may be posed by such events," said Domenico Grasso, editor-in-chief, dean and professor in the College of Engineering and Mathematical Sciences at the University of Vermont-Burlington.

But this is not the first time LSU's College of Engineering has been responsible for such novel and innovative research.

"The Department of Chemical Engineering and the College of Engineering at LSU have long traditions of excellence in environmental science and engineering," said Valsaraj, chair of chemical engineering at LSU. "This is a continuation of that tradition."



Nicholas Ashley



Louis Thibodeaux



Kalliat Valsaraj

## First in Series of Coastal Resiliency Workshops Looks to Improve the Technology of Coastal Inundation Prediction



LSU professor Roy Dokka speaks about elevation and coastal geoinformatics at the Coastal Resiliency workshop at the Cook Conference Center.

BY AARON LOONEY

Experts from around the world gathered Jan. 20-21 on the LSU campus to take part in a workshop looking to improve the technology of coastal inundation prediction for the needs of emergency managers and regional planners.

The conference — held at the Lod and Carole Cook Conference Center and Hotel and cosponsored by the LSU Office of Research and Economic Development, LSU Sea Grant, LSU Center for Computation and Technology, LSU AgCenter, LSU Foundation, the National Oceanic and Atmospheric Agency and Shell Oil Company — featured speakers from various universities and both state and national agencies.

The workshop, titled “Grand Challenges in Coastal Resiliency I: Transforming Coastal Inundation Modeling to Public Security” workshop, was the first in a series planned at LSU aiming to address numerous challenges in coastal resiliency and create a new integrated approach to disaster management and regional planning in such instances.

LSU is situated in a unique position, geographically and strategically, to solve problems of coastal resiliency. The unique challenges its home state faces — coastal erosion, wetland loss

and the near-constant threat of hurricanes — also give the university a deep base of expertise and exposure to those same areas.

Pat Santos, assistant deputy director of emergency management with the Governor’s Office of Homeland Security and Emergency Preparedness, discussed how the state prepared for and reacted to Hurricanes Gustav and Ike in 2008. He also said that local agencies play a vital role in every emergency situation because “every emergency is local.”

Santos outlined what his office calls its “H-hour” timeline. This timeline is the guide as to when watches and warnings are issued for impending hurricane landfall and when to enact events such as declarations and evacuations, beginning with coastal areas.

“We start as far out as 102 hours from projected landfall,” Santos said. “Even if the storm is not initially projected to affect us, we go into action.”

Bill Read, director of the National Hurricane Center, said that two issues pose the biggest concerns in terms of planning for his office — how his agency can better convey warnings prior to a potentially disastrous weather event and how it can ensure the messages will be delivered.

Read also said that his office is instituting new technologies for management and planning in 2009. They include posting vital information such as maximum envelope of water, or MEOW, information approximately five days prior to any expected landfall and potential storm surge data when a hurricane warning is first issued.

“We also need to break the habit of media reporting hurricanes as ‘only a category 1’ or ‘just a category 2,’” Read said, referring to the Stafford-Simpson scale of hurricane rating based on sustained wind speed. “There’s no such thing. A hurricane is a hurricane and can cause extensive damage at any strength.”

Increased population of coastal zones is also an issue, Read said. He called “a lack of control in development along the coasts” as the top impediment to coastal resiliency.

“Because of this, no matter how much we improve our technologies, damage will continue,” he said.

Ken Graham, meteorologist-in-charge at the National Weather Service’s New Orleans-Baton Rouge Office in Slidell, said that no matter how many watches and warnings are issued by state and national government, the ultimate responsibility falls

upon the individual to heed the warnings.

In a typical year, Graham said, the region sees about seven hurricanes, nearly 1,000 tornadoes, approximately 5,000 floods, about 25 million lightning strikes and 10,000 violent thunderstorms. These and other disasters lead to an average of 500 deaths and 5,000 injuries in a typical year, he said.

Challenges Graham said the state faces include working to infuse science with services in terms of preserving the state’s coastal areas. One such issue involves keeping elevation maps as current as possible with the ever-changing coast.

“Our maps are getting out of date quicker,” Graham said.

Graham also said that serious weather events such as hurricanes have come in pairs in recent years, using examples of Hurricanes Katrina and Rita in 2005 and Hurricanes Gustav and Ike in 2008. Such occurrences have given little time to create storm surge models and challenged experts to move surge guidance from research to operations at a quicker pace.

Graham said that in 2009, his office is working to better understand the needs of its partner agencies, including LSU, and understanding what resources are available.

“We need to provide sufficient information as quickly as possible,” Graham said. “We also need to remain in constant communication for threats. LSU is a vital part of the process.”

Many experts feel that Louisiana’s coast makes an ideal case study to test how inundation modeling within highly engineered and transformed coastal landscapes can provide information to emergency managers during and following hurricane events, and to regional planners facing challenges to coastal protection and restoration from rising sea levels.

Other issues discussed during the conference include planning perspectives of both the Federal Emergency Management Agency, or FEMA, and the U.S. Army Corps of Engineers; challenges to regional and national efforts in planning for emergencies; restoration and protection planning; and various technological advances in planning. Panelists included researchers from LSU, the National Oceanic and Atmospheric Administration, the Engineering Research and Development Center of the Army Corps of Engineers and researchers from the University of North Carolina-Chapel Hill and several other esteemed institutions.

## Nominations Requested for Faculty Service-Learning Award

LSU’s Center for Community Engagement, Learning, and Leadership and the Service-Learning Advisory Council, or CCELL, is accepting nominations for the \$1,000 Outstanding Service-Learning Faculty award.

The \$1,000 Outstanding Service-Learning Faculty Award recognizes outstanding service-learning contributions by full-time faculty. All LSU faculty members are eligible to apply.

Nominees must demonstrate exceptional commitment to integrating quality service-learning activities in their own classes and/or throughout the LSU campus and/or extended community. Nominations may be initiated by individual faculty members, department chairs/heads or deans/directors.

Nomination guidelines for the award are available at the CCELL office at B-29 Coates Hall or on the CCELL Web site at [www.ccell.lsu.edu](http://www.ccell.lsu.edu).

Nomination packets should be delivered to Coates B-31 no later than 4:30 p.m., Friday, Feb. 20. Nominations received after that date will not be considered. For more information on nomination preparations, please contact Jan Shoemaker at 225-578-9264 or [jshoema@lsu.edu](mailto:jshoema@lsu.edu).

A committee of the Service-Learning Advisory Council will review nominations. Recipients will be recognized at the annual Distinguished Faculty Awards Reception on Tuesday, May 5, in the Lod Cook Alumni Center.

## LSU School of Architecture Partners with Woodland Trail

BY AARON LOONEY

The LSU School of Architecture’s Office of Community Design and Development, or OCDD, is pleased to announce its latest community partner: the Woodlands Trail and Park in Belle Chasse, a 32-mile recreational and educational corridor of green space and nature trails that runs along the Mississippi River in Plaquemines Parish south of New Orleans. The trail, which has been in design and under construction since 2001, was officially opened on Feb. 2.

Though the park’s 13 miles of nature trails are now open for hiking and bird watching, there is still plenty of work to be done. That’s where LSU comes in. Student research associates under the supervision of OCDD director Marsha Cuddeback will be developing conceptual design illustrations for the proposed Woodlands Trail Interpretive Center and Riverfront Pavilion.

“Our new partnership is an excellent opportunity to provide developmental support in the area of planning and design for Woodlands Trail and Park,” Cuddeback said. “It also offers many service-learning opportunities for students to research and develop design strategies that embrace environmental stewardship.”

Woodlands Trail and Park is a nonprofit organization that was organized in 2001 with the mission to establish and embellish recreational, educational and historical greenways uniting the river communities of Orleans and Plaquemines Parishes. The project will increase community access to the river and historic sites while preserving and protecting open space. The facilities developed will furnish a recreational area for equestrian, nature and bird-watching trails and work to preserve the unique character of Plaquemines and Lower Algiers’ historic cultural and ecological beauty.

The area includes a 32-mile corridor along the Mississippi River in Plaquemines Parish beginning with a 609-acre parcel of Plaquemines Parish government-owned land that is dedicated as Woodlands Trail and Park Bird Sanctuary and includes trails that form a portion of America’s Wetland Birding Trail.

For more information on Woodlands Trail and Park, visit [www.woodlandtrail.org](http://www.woodlandtrail.org).



A map of the new Woodlands Trail and Park

## Architecture Professor Wins National AIA Award

BY AARON LOONEY

A professor in the LSU School of Architecture was recently named a recipient of a highly coveted national award given by the American Institute of Architects, or AIA.

Marsha Cuddeback traveled to Washington, D.C., recently to receive the Component Excellence Award from the AIA, one of just five such awards being given out nationwide.

Cuddeback, who is also director of LSU’s Office of Community Design and Development, or OCDD, is sharing the award with Lynn Robertson, executive director of the AIA Louisiana chapter; and Will Tegre, the state chapter’s president-elect.

The three are collectively receiving the award for work conducted in January 2008 to organize an Intern Development Program, or IDP, Forum, hosted by the LSU College of Art & Design. The forum brought together professionals, interns and students from across the state to discuss how to improve the efficacy of the intern development program. The IDP is one of three requirements for becoming a licensed practicing architect.

“This was the first time something like that had ever been done in a statewide initiative,” Cuddeback said. “The AIA and the State Board of Architectural Examiners got together and provided the resources for us to be able to facilitate that type of outreach.”

Cuddeback’s award is a testament to the School of Architecture’s engagement with professional practice and is a wonderful networking opportunity for the school.

More than 800 AIA leaders will participate in the AIA conference next week, where the award will be presented. It will also provide opportunities for continuing education, networking, advocacy, celebrations, leadership skills development, and knowledge sharing among members and groups within the AIA family.

“We are honored to receive this award and thrilled to have the opportunity to represent the School of Architecture and the LSU College of Art & Design in Washington,” Cuddeback said.

Besides being a professor in the School of Architecture, Cuddeback is the director of OCDD, an interdisciplinary community outreach center in the College of Art & Design that provides technical assistance to non-profit organizations and communities in need. She is also the intern development coordinator for the Louisiana AIA chapter.

**LSU CELEBRATES BLACK HISTORY MONTH**

LSU celebrates Black History Month every February to recognize the struggles, strides and accomplishments of African-Americans. Begun as Negro History Week by the Association for the Study of Negro Life and History in 1926, Carter G. Woodson, the association's founder, selected a week in February to honor the birthdays of Abraham Lincoln and Frederick Douglass. In 1976, the association, now known as the Association for the Study of African-American Life and History, extended the event to a month-long celebration.

At LSU, the 2009 celebration, "Redefining Black Culture in America: The Quest for Change," consists of weekly events including lectures, a pageant and a family reunion. Speakers and performers were invited to share their knowledge and talents representing the African-American experience. The following are the remaining events scheduled for the month-long celebration:

**Wednesday, Feb. 18 • Mr. and Miss Imani Pageant • 7:30 p.m. • LSU Student Union Cotillion Ballroom**

The Mr. & Miss Imani Scholarship Pageant is designed to showcase the brightest student leaders at LSU. The participants will compete for the title of Mr. & Miss Imani 2009. At the conclusion of the event, the winners will receive a monetary award to further their studies and other sponsored prizes. This year's pageant will take a journey from the past, beginning with the Harlem Renaissance era, to present day. The MLK Dance Ensemble will also perform at the pageant.

**Thursday, Feb. 26 • The Image of Beauty • 6 p.m. • African-American Cultural Center**

The Image of Beauty program will share and discuss the views of the media and society as it relates to women's beauty. There will be a discussion about body image and Kenneth Clark's 1950s "doll test." Julie Thibodaux, from the American Civil Liberties Union, will give background information about the "doll test." This program is designed to bridge the conclusion of Black History Month in February and the beginning of Women's History Month in March.

**Saturday, Feb. 28 • College Family Reunion • Noon - 5 p.m. • LSU Parade Ground**

The College Reunion brings together students, faculty and staff from LSU, Southern, Baton Rouge Community College and other surrounding institutions to celebrate Black culture and fellowship and enjoy a variety of entertainment from the institutions. There will be food, games, music, a Greek Stroll-Off competition, fashion show and a chance to win sponsored prizes.

**DINNER THEATER TO BE PRESENTED BY UNIVERSITY LAB SCHOOL CHOIR FEB. 13 AND 15**

The LSU Laboratory School High School Choir will present a dinner theater titled "For the Love of Disney," featuring songs from four Walt Disney productions: "Beauty and the Beast," "Aladdin," "Aida" and "Enchanted." Shows will be Friday, Feb. 13, at 7 p.m. and Sunday, Feb. 15, at 4 p.m. at the University United Methodist Church Community Center on Dalrymple Drive. Dinner, to be provided by Zeeland Street Market, will include appetizer, entrée and dessert.

In its second year, the dinner theater provides an opportunity for 9th through 12th grade choral students to produce an entire dinner theater themselves. Under the direction of the school's choir director, Patti Hayes Lauve, the students not only sing and dance, but also serve as waiters and waitresses throughout the evening.

Make plans to celebrate the Valentine weekend enjoying classic Disney love songs with the Laboratory School Choir. Admission is \$35 per person. The students are donating part of the theater's proceeds to the Greater Baton Rouge Food Bank in recognition of their important work in the community. The remainder of the proceeds will be used to defray costs of an upcoming European trip to be taken by the choir in February 2010. Tickets may be purchased online at [www.uhigh.lsu.edu](http://www.uhigh.lsu.edu) or in the main school office, located at 45 Dalrymple Drive on the LSU campus.

**LSU "NIGHT OF FRENCH CINEMA: UNE NUIT BLANCHE À BATON ROUGE !" TO BE HELD FEB. 13**

The Center for French and Francophone Studies at LSU is proud to present the "Fourth Annual LSU Night of French Cinema: une nuit blanche à Baton Rouge!" Now a well established tradition, this all-night cinematic event returns to the Manship Theatre at the Shaw Center for the Arts in downtown Baton Rouge on Friday, Feb. 13, from 6 p.m. until dawn.

Tickets for the event are \$20 for general admission and \$10 for students and include admission to all films and refreshments.

The evening begins with an aperitif and a charcuterie, followed by servings of French wine and cheese, baguettes, pastries and desserts between each screening, ending with a French breakfast of croissants, baguettes and coffee. As lagniappe this year, three very special guests will attend this year's event: Roland Adjo-Lessing from the Permanent Representation of the Francophonie at the United Nations; renowned Senegalese filmmaker Joseph Gaï Ramaka, who directed the first film; and LSU Chancellor Michael Martin.

The Center for French and Francophone Studies will show four films, each of which hilariously or dramatically depicts French and Francophone culture. In addition to Ramaka's critically acclaimed "Karmen" (Karmen Geï), the cinematic spectacle will also include three more outstanding selections – "Bon Cop Bad Cop" (Erick Canuel's Quebec comedy-thriller Good Cop Bad Cop), "La Doublure" (Francis Veber's French comedy The Valet) and "Hors de Prix" (Pierre Salvadori's French romantic comedy Priceless).

All films are in French with English subtitles. Therefore, no experience with the French language is necessary to enjoy this great night of fun, food and film.

Tickets must be purchased through the Manship Theatre Ticket Desk either in advance or the night of the festival. To purchase tickets, call 225-344-0334 or visit [www.manshiptheatre.org](http://www.manshiptheatre.org).

For further information, contact the Center for French and Francophone Studies at 225-578-6589 or visit [www.lsu.edu/cffs](http://www.lsu.edu/cffs).



**WINTER 2009 ISSUE OF THE SOUTHERN REVIEW NOW AVAILABLE**

The winter 2009 issue of The Southern Review is available for purchase now in bookstores and at <http://www.lsu.edu/tsr/>.

In addition to aubades and sonnets from Tana Jean Welch, Traci Brimhall, Roy Jacobstein and John Yau, there are poetry offerings in this issue from Robert Cording, Mary Oliver, Charles Simic, Bob Hicok, Rita Dove, Jay Rogoff and many more.

Short fiction includes stories by Ivonne Lamazares's "Hostal Jamil," of leaving things behind; Justin Quarry's "Test-Drive Baby," of adjustments; Steve Davenport's "Rivers to Gilead," meditations on things gone wrong; Victoria Patterson's "Winter Formal," of brokenness; and George Singleton's "What Are the Odds?" of a dog sitter.

Nonfiction in this issue includes an essay, "Hand-me-down War Stories" by Jerry D. Mathes II reflecting on his family and how his father's service in Vietnam affected their lives, a wonderful discussion of "Family Feet" by Peggy Shinner and more.

Art for this issue comes from American artist John J. O'Connor's dynamic, colored pencil drawings, which are visual representations of language, chance and experimentation. Through idiosyncratic and entirely invented systems, he converts what is ordinarily invisible into visual representations that reveal patterns of speech and events.

The Southern Review is pleased to welcome a new managing editor, Cara Blue Adams. Adams comes to The Southern Review from the University of Arizona at Tucson.

Founded in 1935 by Robert Penn Warren and Cleanth Brooks, The Southern Review is published four times a year on the campus of LSU. For more information, contact Leslie A. Green, The Southern Review business manager at 225-578-5104 or [lgreen@lsu.edu](mailto:lgreen@lsu.edu).

**Firefighter Wellness Course to Address Leading Cause of Death**

BY CAREY KING

The National Fire Protection Association recently conducted a study reporting that firefighters are more likely to die from suffering a heart attack than from putting out a fire. In spite of these results, Louisiana has not yet lost any firefighters due to heart attack, and leaders at the LSU Fire and Emergency Training Institute, or FETI, are working to keep it that way. In August of 2009, FETI will offer a Firefighter Wellness course to train both new recruits and career firefighters to act as wellness coordinators within their units.

The national study shows that of the 118 total firefighter fatalities in 2007:

- ▶ 52 firefighters died from heart attack.
- ▶ The majority of heart attacks occurred within 24 hours of a stressful event – not during active fire suppression.
- ▶ 13 firefighters had heart attacks doing something other than training or firefighting.
- ▶ Nine firefighters died from heart attack while working on the scene of a fire.
- ▶ Six of the firefighters died during training activities.
- ▶ Some firefighters suffered a heart attack during physical fitness evaluations.
- ▶ Nationally, the death rate for heart attacks in the fire service is almost twice the rate of any other public safety agency.

"This latest report on firefighter fatalities indicates a need for an aggressive training program aimed at achieving a more fit fire service. LSU will work to train wellness/fitness coordinators in fire departments across Louisiana," said Jeff Gleason, FETI director.

Gleason recently sent FETI Wellness Coordinator Clay Crain to the American College of Sports Medicine and the Cooper Institute – agencies influential in national public health policy initiatives. Crain brought what he learned as a student at these prestigious institutes back to FETI and is designing a program for Louisiana firefighters.

"It's about basic nutrition and exercise," said Crain. "I'm not here to put someone on a diet. We're just trying to promote health as a means to keep firefighters safe both on and off the fire ground."

FETI's mission is to keep firefighters safe by providing the latest and most pertinent information available in response to current trends within the fire service. Initiatives like the upcoming Firefighter Wellness course, among others, are just one way that FETI serves the needs of its clients.

"It begins at the base level with a fitness screening and progresses to a workout regimen that increases in difficulty as the new firefighters build strength and endurance," said Crain. "For some, this can be a radical change in lifestyle. For others, it's building upon what they may already be doing. From day one, we train our rookies to be athletes, because on the fire ground, they have to perform on the same level."



**Firefighters work to extinguish a blaze at the LSU Fire and Emergency Training Institute. In August, FETI will also offer a wellness course to help prevent heart attacks, the leading cause of death among firefighters.**

The exact date and class details will be posted on the FETI Web site at [www.feti.lsu.edu](http://www.feti.lsu.edu). Registration is available free of charge to all municipal firefighters in Louisiana by contacting Jessy Hutchinson at 225-334-6300 or 800-256-3473.

For more information, contact Carey King at 225-334-6076 or [careyk@lsu.edu](mailto:careyk@lsu.edu).

**LSU Professor Receives National Science Foundation's Prestigious CAREER Award**

BY KRISTEN SUNDE



Tevfik Kosar

Tevfik Kosar, a professor in the LSU Department of Computer Science, has received the National Science Foundation's CAREER Award.

The NSF CAREER Award is the foundation's most prestigious award for junior faculty members. It is part of NSF's Faculty Early Career Development Program, which "recognizes and supports the early career-development activities of those teacher-scholars who are most likely to become the academic leaders of the 21st century."

CAREER Award recipients are selected on the basis of creative career-development plans that effectively integrate research and education within the context of the missions of their institutions.

Kosar, who holds a joint faculty appointment with the LSU Center for Computation & Technology, or CCT, proposed a project titled "Data-aware Distributed Computing for Enabling Large-scale Collaborative Science." NSF will fund this project for five years at \$400K.

Through his work on the CAREER grant, Kosar will develop new computing systems that manage data more effectively with automated processes, which enables scientists to spend more time focusing on their research questions and less time dealing with data.

"This project will not only impact computer science research by changing the way computing is performed, but it will also dramatically change how domain scientists perform their research by facilitating rapid analysis and sharing of raw data and results," Kosar said. "It will help the scientists start thinking about totally new scenarios where simulations are closely coupled with large amounts of observational and experimental data, which would revolutionize science, not just in the new scenarios but in the way it will bring the computational, theoretical, and experimental scientists together which currently live in very different communities and do not interact."

Kosar's integrated career plan will impact computational science disciplines from science and engineering to emerging research in the arts, humanities, business and education, which also need to deal with increasingly large amounts of data.

This project also involves education and outreach, as Kosar plans to let undergraduate and graduate students work alongside him in his research. Kosar will incorporate the project into the university's summer camp and outreach programs to students in the K-12 grades, and he plans to visit with students

in Louisiana schools to discuss the project and encourage them to pursue careers in computational science and research.

"NSF selectively awards CAREER grants to young researchers who demonstrate extraordinary promise and a commitment to advancing science, and I am very proud of Tevfik for receiving it," said CCT Interim Director Stephen David Beck. "I am confident his research will yield results that not only enhance his academic work, but will benefit the greater research community."

Data storage and management is Kosar's research specialty at the University. In 2006, he received a \$1 million grant from NSF to create advanced data archival, processing and visualization capabilities across the state through the PetaShare project ([www.petashare.org](http://www.petashare.org)).

In December, Kosar led a team of researchers who unveiled a new software package, called Stork Data Scheduler, which makes it easier and more efficient for researchers to access and transfer large data sets ([www.storkproject.org](http://www.storkproject.org)).

Apart from his research, Kosar also led a team of educators to develop a science and technology-oriented charter school in New Orleans, which allows students to work collaboratively with universities and be mentored by experienced scientists to enter into national and international science project competitions ([www.abramsonst.org](http://www.abramsonst.org)).

Kosar will begin work on this CAREER Award this semester.

## LSU Employees Recognized at 2008 Winter Commencement

On Friday, Dec. 19, 2008, LSU held its 267th commencement exercise and recognized 1,820 students, which included the 29 LSU faculty and staff members listed below:

### Bachelor's Degrees:

Jamila Nailah Beasley, Sociology  
Morris B. Carney, III, Athletics Business & Ticket Office  
Matthew Charles Donahue, University Information Systems  
Lisa Renee Graves, Continuing Education  
Brian Edwin Middleton, Telecommunications  
Dustin Paul Mouton, Telecommunications  
Barbara Nola Porche, Environmental Sciences  
Karen Leah Quebedeaux, Security

Ky Evan Mortensen, Equine Health Studies Program  
Brittany Lee Robert, University Lab School  
Jason Berante Schmidt, Animal Science  
Danny Joe Stephens, Facility Services  
Mary Katherine Tessier, Business Administration  
Paige Mabile Zittrauer, University Lab School

### Certificate of Education Specialists:

Barbara Jane McManus, User Support & Student IT Enablement

### Master's Degrees:

Andre Paul Brock, Southeast Region Parish Offices  
Stephanie McNemar Champagne, University Registrar's Office  
Daniel Leslie Eiland, Center For Computation And Technology  
Natalie Susan Gaines, Summer Session - Arts & Sciences  
Craig Thomas Gothreaux, Aquaculture Research Station  
Jennifer Hellean Hathorn, Biological Sciences  
Huei-Yang Ho, Entomology

### Doctoral Degrees:

Joseph George M. Lutta, School of Human Resource Education & Workforce Development  
Sara K. Lyle, Veterinary Clinical Sciences  
Thomas Michael Mascari, Entomology  
Emily Ann McMains, Biological Sciences  
Tao Ran, Sea Grant Development  
Matthew Edwin Wilkinson, Sociology  
Robert Allen Wright, Behavioral & Social Sciences

## "Lincoln Chose Louisiana" Celebrates Bicentennial

BY ERNIE BALLARD

The Louisiana Abraham Lincoln Bicentennial Commission presents "Lincoln Chose Louisiana," a ten-day commemoration of the 200th anniversary of the birth of Abraham Lincoln. Events will take place throughout the Baton Rouge area through Feb. 15 to recognize Lincoln's bicentennial birthday on Feb. 12.

The Louisiana Abraham Lincoln Bicentennial Commission is chaired by David Madden, Robert Penn Warren professor emeritus of creative writing in the LSU English department, and also includes others from LSU: Vice Chancellor for Strategic Initiatives Isiah Warner, LSU System President Emeritus William Jenkins, LSU Foundation Senior Director of Development Michael Robinson, Chair of the History Department Gaines Foster and Professor Richard White.

"Lincoln's unique relationship with Louisiana is that he chose this state to be the first to re-enter the Union and to function as a model for all other Southern states in the implementation of his non-vengeful vision of Reconstruction," said Madden. "Our primary mission is to tell that story, and to facilitate celebrations throughout 2009 all over the state in a great variety of ways, such as music, exhibits, poetry, plays, short speeches, readings of poems by and about Lincoln."

On Feb. 14, Madden will be reading Lincoln's Emancipation Proclamation as part of the "Annual African American Read-In," at the East Baton Rouge Parish Main Library at 2:30 p.m. On Feb. 15, the "Louisiana Looks at Lincoln," exhibit and reception will be held at 1 p.m., at Louisiana State Archives on Essen Lane.

## LSU CALENDAR

current performances, lectures & events on campus

### ACADEMIC

#### Mon./Feb. 23 - Wed./Feb. 25

Mardi Gras holiday

#### Thurs./Feb. 26

7:30 a.m., Spring classes resume

### ATHLETICS

#### Fri./Feb. 13

7:30 p.m., Gymnastics at Alabama, Tuscaloosa, Ala. (Coleman Coliseum)

#### Fri./Feb. 13 - Sat./Feb. 14

All Day, Track & Field at Tyson Invitational, Fayetteville, Ark. (Randall Tyson Track)

#### Fri./Feb. 13 - Sun./Feb. 15

All Day, Softball hosts Easton Tiger Classic (Tiger Park)

#### Fri./Feb. 13 - Mon./Feb. 16

All Day, Women's Tennis at ITA National Indoor Championships, Madison, Wisc. (Nielsen Tennis Stadium)

All Day, Men's Tennis at ITA National Indoor Championships, Chicago, Ill. (Midtown Tennis Club)

#### Sat./Feb. 14

6 p.m., Men's Basketball vs. Ole Miss (Maravich Center)

#### Sat./Feb. 14 - Sun./Feb. 15

All Day, Men's Golf at Gator Invitational, Gainesville, Fla. (Mark Bostick GC)

#### Sun./Feb. 15

Noon, Women's Basketball vs. Florida (Maravich Center)

#### Mon./Feb. 16 - Tues./Feb. 17

All Day, Women's Golf at Central District Invitational, Parrish, Fla. (River Wilderness CC)

#### Wed./Feb. 18

5:30 p.m., Softball at Southeastern Louisiana, Hammond, La. (North Oak Park)

7 p.m., Men's Basketball at Arkansas, Fayetteville, Ark. (Bud Walton Arena)

#### Wed./Feb. 18 - Sat./Feb. 21

All Day, Swimming & Diving at SEC Championships, Auburn, Ala. (James E. Martin Aquatics Center)

#### Thurs./Feb. 19

6 p.m., Women's Basketball at Georgia, Athens, Ga., (Stegeman Coliseum)

#### Fri./Feb. 20

All Day, Track & Field hosts LSU Twilight (Maddox Fieldhouse)

7 p.m., Gymnastics vs. Illinois-Chicago/North Carolina (Maravich Center)

7 p.m., Baseball vs. Villanova (Alex Box Stadium)

#### Fri./Feb. 20 - Sun./Feb. 22

All Day, Softball hosts Easton Purple & Gold Challenge (Tiger Park)

#### Sat./Feb. 21

2 p.m., Baseball vs. Villanova (Alex Box Stadium)

7 p.m., Men's Basketball vs. Auburn (Maravich Center)

#### Sun./Feb. 22

11 a.m., Men's Tennis at Ohio State, Columbus, Ohio (Stickney Tennis Center)

Noon, Women's Tennis vs. Florida State/Southern ("Dub" Robinson Stadium)

Noon, Baseball vs. Villanova (Alex Box Stadium)

2 p.m., Women's Basketball vs. Kentucky (Maravich Center)

#### Sun./Feb. 22 - Tues./Feb. 24

All Day, Men's Golf at John Hayt Intercollegiate, Pointe Vedra, Fla. (Sawgrass CC)

#### Tues./Feb. 24

8 p.m., Men's Basketball vs. Florida (Maravich Center)

#### Wed./Feb. 25

6 p.m., Softball vs. Southern Miss (Tiger Park)

6:30 p.m., Baseball vs. Southern (Alex Box Stadium)

#### Thurs./Feb. 26

8 p.m., Women's Basketball vs. Tennessee (Maravich Center)

### EXHIBITS

#### Mon./Dec. 1 - Sat./Feb. 28

All Day, "Audubon at Oakley: Louisiana Selections from Birds of America" and "The Pathway of Promise: 1500 Years of Religious Texts and Moral Guidebooks," Hill Memorial Library Lecture Hall, Closed Sunday

#### Thurs./Jan. 1 - Thurs./Dec. 31

All Day, "Constructing Identity from Hogarth to MySpace," 50th Anniversary Exhibition, LSU Museum of Art, Shaw Center

#### Sat./Jan. 17 - Sun./Feb. 15

All Day, LSU School of Art Faculty Exhibition, Shaw Center - Alfred C. Glassell Jr. Exhibition Gallery, Closed Mondays

#### Sun./Jan. 25 - Sun./April 19

All Day, "Rodin: A Magnificent Obsession, Sculpture from the Iris and B. Gerald Cantor Foundation," LSU Museum of Art

#### Fri./Feb. 13 - Thurs./March 5

LSU Juried Student Art Show, Reception: Friday, Feb. 13 at 6 p.m., LSU Student Union Art Gallery, Open Monday - Friday from 10 a.m. - 6 p.m. and Sunday from 1 p.m. - 5 p.m.

### LECTURES

#### Fri./Feb. 13

3:30 p.m., "Pre-Columbian Agriculture, Forest Disturbance, and Holocene Climate Variability in the Circum-Caribbean Region: Evidence from Sediments and Soils" by Sally Horn, Evelyn L. Pruitt Lecture Series, Room E130 Howe-Russell Hall

#### Tues./Feb. 17

6 p.m., "Engaging Hopeful Visions and Complex Realities in Teaching and Educational Leadership" by Janet Miller, Centennial Public Lecture Series, LSU Lab School Auditorium

#### Wed./Feb. 18

5 p.m., Larry Sass, Architect, Director of Design Fabrication Group, Manship Lecture Series, Design Building

7 p.m., Christ the King Catholic Student Center presents the Last Lecture Series: John May, LSU Department of English, Catholic Student Center Auditorium

### MEETINGS

#### Wed./Feb. 18

10:30 a.m., LSU Staff Senate General Meeting, 225 Peabody

### SPECIAL

#### Thurs./Feb. 5 - Sun./Feb. 22

Swine Palace presents "Satellites" by Diana Son, directed by Michael Tick, Reilly Theater, 16 performances, Tickets 578-5128 or uniontheater.lsu.edu

#### Thurs./Feb. 12 - Sun./Feb. 15

Great Performances Series presents "Andrea Marcovicci sings Rodgers and Hart," Union Ballroom, Six performances, Tickets 578-5128 or uniontheater.lsu.edu

#### Fri./Feb. 13

6 p.m., Fourth Annual LSU Night of French Cinema: une nuit blanche a Baton Rouge!, Manship Theatre, Shaw Center for the Arts

7 p.m., LSU Laboratory School choir presents "For the Love of Disney," \$35 per person, Tickets at www.uhigh.lsu.edu, University United Methodist Church Community Center

7:30 p.m., HopKins Black Box Theatre presents "Throwing Myself to the Wolf," created by Travis Brisini and Brianne Waychoff, Donations accepted at the door, 137 Coates Hall

8 p.m., Kimberly Houser Faculty Harp Recital, LSU School of Music Recital Hall, Free, Open to the public

#### Sat./Feb. 14

1 p.m., HopKins Black Box Theatre presents "Throwing Myself to the Wolf," Donations accepted at the door, 137 Coates Hall

#### Sun./Feb. 15

4 p.m., LSU Laboratory School choir presents "For the Love of Disney," \$35 per person, Tickets at www.uhigh.lsu.edu, University United Methodist Church Community Center

#### Tues./Feb. 17

8 p.m., LSU Wind Ensemble Concert, LSU First Baptist Church, Tickets 578-3261 or music.lsu.edu

#### Wed./Feb. 18

10 a.m. - 2 p.m., National Eating Disorder Awareness Week table sit, Sponsored by the LSU Student Health Center Wellness Education Department, Free Speech Plaza

7:30 p.m., Mr. & Miss Imani Pageant, Sponsored by LSU's Black History Month Committee, Union Cotillion Ballroom

#### Thurs./Feb. 19

10 a.m. - Noon; 2 - 4 p.m., Free HIV Testing, Sponsored by the LSU Student Health Center Wellness Education Department, Union Barataria and Red River Rooms

6 p.m., Frame to Frame: LSU Museum of Art and a Movie - "An American in Paris," Admission: \$5 members, \$10 non-members, Tickets (225) 344-0334, LSU Museum of Art

8 p.m., LSU Symphony Orchestra Concert, First Baptist Church, Tickets 578-3261 or music.lsu.edu

#### Fri./Feb. 20

8 p.m., LSU Jazz Band Concert, LSU School of Music Recital Hall, Free, Open to the public

#### Sat./Feb. 21

8 p.m., Lin He Violin Faculty Recital, LSU School of Music Recital Hall, Free, Open to the public

#### Wed./Feb. 25 - Tues./March 3

Festival of Contemporary Music, LSU School of Music Recital Hall, Free, Open to the public

#### Thurs./Feb. 26

6 p.m., Bridge Program: Image of Beauty, Sponsored by LSU's Black History Month Committee, African-American Cultural Center

### WORKSHOPS & SEMINARS

#### Mon./Jan. 12 - Thurs./Feb. 26

Moodle Intro, 16 Classes, Room 133 Himes Hall or 101 Frey, Register at training.lsu.edu, Call 578-1020 for more information

#### Mon./Jan. 12 - Fri./Feb. 27

Moodle Gradebook, 15 Classes, Room 133 Himes Hall or 101 Frey, Register at training.lsu.edu, Call 578-1020 for more information

#### Tues./Feb. 17

Virtual Worlds Conference: New Realms for Culture, Creativity, Commerce, Computation & Communication, Sheraton Conference Center, Registration required, Call 578-0595

1 - 4 p.m., Microsoft Excel 2, Room 133 Himes Hall, Register at training.lsu.edu, Call 578-1020 for more information

#### Thurs./Feb. 19

11 a.m., "Blastema Formation and Digit Regeneration in Mice" by Ken Muneoka, PBRC Reilly Auditorium

#### Fri./Feb. 20

9 a.m. - Noon, Microsoft Access 1, Room 101 Fred C. Frey Building, Register at training.lsu.edu, Call 578-1020 for more information

#### Thurs./Feb. 26

11 a.m., "Obesity, Energy Balance and Disease" by Timothy Nagy, PBRC Reilly Auditorium

## LSU TODAY



Melissa Foley

Editor

Tara Harris

Editorial Assistant

Jim Zietz, Eddy Perez

Photographers

Ernie Ballard, Ashley Berthelot,

Billy Gomila, Aaron Looney

Media Relations

Kristine Calongne

Director, Media Relations

Holly Houk Cullen

Assistant Vice Chancellor, Public Affairs

Rusty Jabour

Vice Chancellor, Communications & University Relations

The next deadline is Feb. 17 for

the issue dated Feb. 27.

This publication is printed on recyclable paper. Please do your part and recycle.

LSU Today is published by the LSU Office of Public Affairs to keep faculty and staff informed of administrative developments, campus events and other news and events that may affect the university community. It is issued every other week during the fall, spring and summer semesters.

LSU Today welcomes submissions from members of the LSU community and reserves the right to edit any submission received. The information will be used as the publication deems appropriate.

The deadline to submit news and calendar information is Tuesday at 4:30 p.m. for the following week's issue. Submissions may be sent several ways: by Campus Mail to LSU Today, Office of Public Affairs, LSU South Campus; by U.S. Mail to LSU Today, Office of Public Affairs, 8000 GSRI Road, Building 3110, LSU South Campus, Baton Rouge, LA 70820; by fax to 578-3860 (with a cover sheet, please); or by e-mail to [lsutoday@lsu.edu](mailto:lsutoday@lsu.edu).

Information about accommodations for persons with disabilities is available by calling 578-5919 (voice) or 578-2600 (TDD). Sign language interpreting services must be requested 48 hours prior to the event.

Some faculty members and researchers mentioned in LSU Today hold joint appointment with LSU and the LSU Agricultural Center.

LSU is an equal access/opportunity university.