



CES Newsletter

Fall 2009



www.enrg.lsu.edu

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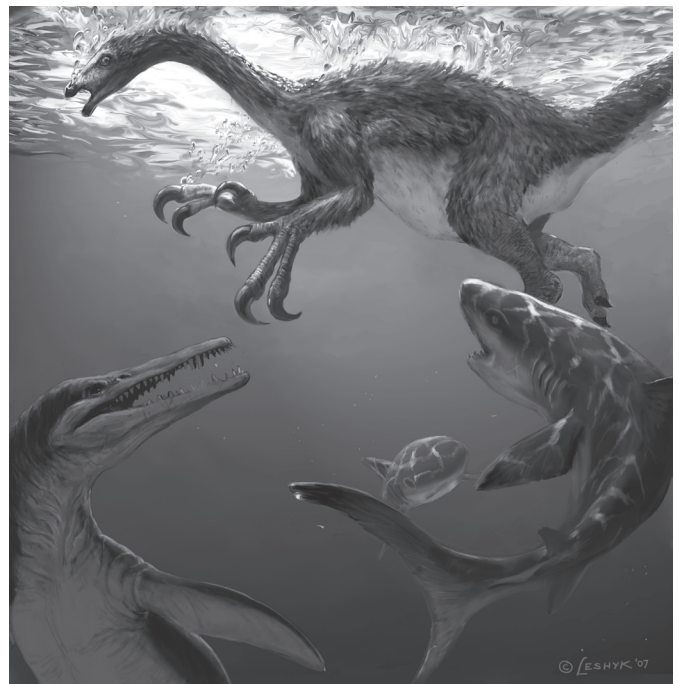
Researchers Estimate Offshore Reserves at Risk from 2008 Hurricanes

In a recent Oil & Gas Journal paper, "Return of most reserves lost in Gustav, Ike predicted," CES professor Mark Kaiser and research associate Yunke Yu estimate that, although the total number of structures destroyed by Gustav and Ike was half the total destruction from the 2004-2005 hurricane seasons, the reserves at risk are three times larger and two to four times as valuable. During August and September 2008, the hurricanes destroyed a total of 60 platforms and severely damaged 31 structures. The destroyed platforms were responsible for about 1.6% of the oil and 2.5% of the gas produced daily in the Gulf of Mexico, and represented approximately 234 million BOE of reserves valued between \$4.6-10.9 billion. Gas structures are expected to present better economics and redevelopment potential than oil structures. Kaiser and Yu predict that 196 million BOE, or nearly 95% of reserves-in-place, are likely to be recaptured through redevelopment.

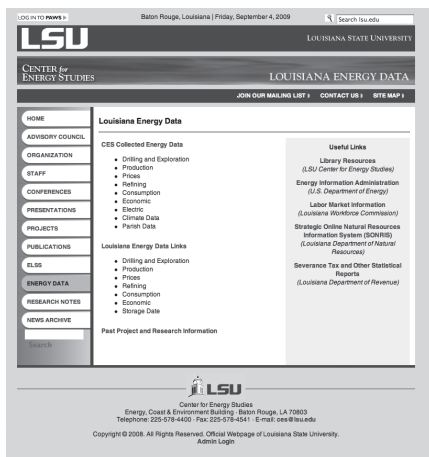
Discovery Channel News Cites Louisiana Geological Survey Research

The work of Louisiana Geological Survey research associate Paul Heinrich was recently cited in two Discovery Channel website news articles about the discovery of a giant clawed dinosaur unearthed in a Utah desert. The dinosaur, *Nothronychus graffami*, stood 13 feet tall and had nine-inch-long hand claws. One mystery surrounding the skeleton is how the well-preserved remains of the terrestrial dinosaur came to rest in marine sediments about 60 miles from the nearest contemporaneous prehistoric shoreline.

In a Discovery.com interview July 17, Lindsay Zanno, John Caldwell Postdoctoral Fellow in the Department of Geology at the Field Museum and the lead author of the Proceedings of the Royal Society B paper that describes the new dinosaur, mentions that one possible solution to this mystery was suggested by Heinrich at the 2008 Geological Society of America (GSA) Meeting Houston. In his GSA paper, Heinrich proposes that this dinosaur drifted out to sea on a solid mass of vegetation called a "floating island," a formation solid and buoyant enough to have transported animals as large and heavy as this dinosaur. Floating islands offer a similar solution to other anomalous finds of well-preserved dinosaur remains in marine sedimentary rocks far from contemporary shorelines.



The recently discovered *Nothronychus graffami* might have drifted out to sea on a "floating island," a formation described by LGS research associate Paul Heinrich. Credit: © Victor Leshyk, 2007. Used with permission.



CES Website Offers Expanded Energy Data Collections, Links

The *Energy Data* page on the CES website (www.engr.lsu.edu/les) now offers an expanded collection of energy data as well as links to relevant state and national energy information websites.

The “CES Collected Energy Data” section contains data on

- drilling permits,
- oil production,
- spot market prices,
- Louisiana natural gas severance index and gasoline prices,
- refinery runs,
- fuel consumption,
- employment and wages,
- electricity generation and sales, and more.

The databases can be queried by date and subject, generating customized tables for the end user. The updated collection is an extension of CES’s Louisiana Energy Indicators, a long-term CES project directed by Professor Wumi Iledare and coordinated for many years by former CES librarian Barbara Kavanaugh.

CES research associate Ric Pincomb, student assistant Millie Dave, and computer analyst Mike Surman gather, enter, and upload data from sources including the Louisiana Department of Natural Resources, the Louisiana Department of Labor, the *Wall Street Journal*, *Oil & Gas Journal*, and the U.S. Department of Energy’s Energy Information Administration.

The *Energy Data* page also includes “Louisiana Energy Data Links,” which direct the user to websites that list current Louisiana-specific data on rig counts, weekly coal, natural gas, and crude oil production and prices, and economic data. Linked sites include the U.S. Department of Energy’s Energy Information Administration and Baker Hughes Investor Relations.

CES Continues Education and Outreach Efforts with Conferences, Workshops

Traffic was heavy in the rotunda during the past several months as the Center for Energy Studies hosted several conferences, lectures, and meetings with an average conference attendance in excess of 100 from industry, government, and academia. The events provided not only educational opportunities but also ideal settings for networking.

New and Reemerging Technologies Featured at Alternative Energy Conference

The annual Alternative Energy Conference, held April 22, featured a number of representatives from industry and academia who have been instrumental in developing, promoting, and implementing the use of alternative and renewable energy sources. A speaker from a world leader in geothermal power, Ormat, reported on the company’s domestic and international projects and identified the potential for geothermal power in Louisiana, a topic of particular relevance as the state has the technical expertise with drilling and a blueprint for the regulatory structure needed to facilitate geothermal development. (Coincidentally, the Louisiana Geological Survey recently pursued a federal grant in partnership with a private company for a geopressured-geothermal demonstration project.)

NREL’s private equity analyst provided insight on challenges to the development of solar technology application. He maintained that central to the development of this expensive technology is the issue of incentives. He also brought attention to some of the commercial and utility scale applications currently available in the U.S. as well as unique financing options.



Chris Stripling, director of engineering services for Emory University, responds to a question during the Campus Energy Panel at Alternative Energy 2009.

LSU Chancellor Michael Martin introduced the Campus Energy Panel, which featured representatives from Harvard, Emory, and the Sustainable Endowments Institute. Behavioral change programs and the concept of “piloting success” for sustainability were highlighted. Harvard reported having made a 30 percent return on their investment and provided many low-cost implementation strategies for a sustainable campus.

In other sessions, two university-corporate partnerships were highlighted as emerging sources for biofuel feedstock. Both algae and switch grass are believed to have significant potential in the state as climate conditions are suitable for development. Other cutting-edge technologies discussed were battery storage and compact nuclear reactors.

The conference was altogether a success and provided a launching pad from which policy makers and developers can move forward. To view presentations, visit www.enrg.lsu.edu/conferences.

Sustainability Workshop Addresses Conservation Strategies

On the afternoon of April 21, prior to the Alternative Energy Conference, a sustainability workshop was held by Leith Sharp, a participant in the Alternative Energy Campus Energy Panel. Sharp, who developed the revolving loan fund for energy efficiency improvements at Harvard University, answered questions about how to begin implementing energy conservation strategies and the associated benefits of such programs. Attendees were invited from local universities, non-profit organizations, and various state agencies including the Departments of Environmental Quality and Natural Resources.



At Alternative Energy 2009, Morgan Defoort, director of engines and energy conversion at Colorado State University, discussed the development and commercialization of large-scale algae to biofuels systems.



Louisiana Oil & Gas Symposium Focuses on Upstream Issues

The Louisiana Oil & Gas Symposium held May 19-20 addressed the state of the upstream oil and gas industry in Louisiana, resource plays, regulatory issues, and the 75th anniversary of the Louisiana Geological Survey. The first-time event attracted more than 100 attendees, who heard presentations from geologists, economists, engineers, and business people regarding current trends, new technologies, and the economic outlook for the oil and gas industry in Louisiana. The event was hosted by the Baton Rouge Geological Society, Louisiana Geological Survey, Louisiana Oil and Gas Association, Central Gulf PTTC, and CES. The Second Annual Oil & Gas Symposium is scheduled for March 15 and 16, 2010.



Participants break for coffee and networking at Alternative Energy 2009.

Carbon Emissions Topic of Walker Jones Event

The half-day conference and webinar held July 23, “Carbon Emissions Continuum: From Production to Consumption,” co-hosted by CES and the Jones Walker law firm, addressed the possibilities and challenges of developments in CO₂ sequestration and enhanced oil recovery for the state, including Louisiana’s “green pipeline,” and evolving carbon and clean energy markets. Panel participants were Don G. Briggs, president, Louisiana Oil & Gas Association; James H. “Jim” Welsh, Commissioner of Conservation, State of Louisiana; and David E. Dismukes and Mike McDaniel of CES. The panel was moderated by members of Jones Walker’s Green Law & Sustainability Team, Marjorie A. McKeithen, Robert W. Scheffy, Jr., and Michael A. Chernenkoff.

Workshop Examines Economic Impacts of Climate Change Legislation

The Center again facilitated a meeting of energy and business leaders August 21 with a workshop on climate change legislation. “Can Louisiana Make a Buck after Climate Change Legislation” questioned the global impact of U.S. climate change legislation and estimated the economic impact of such legislation on “energy states” like Louisiana. Speaker Margo Thorning, chief economist for the American Council for Capital Formation, said it is estimated that by 2030, if the full Waxman-Markey bill (HR 2454) were passed, Louisiana’s cost would be an additional \$5 billion to \$7 billion per year. David Dismukes reported that home energy bills in the state, under the cap-and-trade provisions of Waxman-Markey, could rise \$88 per year for customers on natural gas-fired systems to as much as \$298 per year for customers receiving power from coal-fired plants.

Citing Entergy Corp.’s recent Geaux Green program, through which consumers can choose to pay \$2.25 more per each 100 kilowatt as a green energy option, Louisiana public service



LOGA president Don Briggs explains potential impacts of cap-and-trade policies on the oil and gas industry at the Carbon Emissions Continuum workshop.



Climate Change workshop keynote speaker Tom Michels, legislative director for Senator Mary Landrieu, said the senator recognized the need to address the problem of climate change but would not likely support current legislation. (Photo courtesy of Marica Broussard, Creative Communications, Inc.)



Quinn Hébert, chairman of Cal Dive International, Inc.



Sharon Cole, site director of The Dow Chemical Company's Louisiana Operations.

commissioner Jimmy Field said the general population has shown resistance to paying more for reduced emissions. During the two years Entergy has offered the program in its Gulf States service area, 444 customers have participated. In the Louisiana service area, 96 have participated in one year.

Elaine Kamarck a professor at Harvard's Kennedy School of Public Policy, said she opposes the cap-and-trade-based approach of the bill passed by the House of Representative because it is too complicated to deal with the problem on the global scale it requires. Instead, she argues a simpler tax on carbon would be much easier to implement and monitor effectively. In response to a question from the moderator, she emphasized that human-induced climate change was a real and very serious problem—a view she argued was supported by a strong scientific consensus. She said she opposes the cap-and-trade-based House bill precisely because it would not deal effectively with this very real and serious problem. Professor Kamarck served on the President's staff as the director of the Domestic Policy Council during the Clinton administration.

Keynote speaker Tom Michels, Democratic Senator Mary Landrieu's legislative director, talked about the reasons the senator would not vote for the cap-and-trade-based bill that the House had passed. He also explained why he did not believe the Senate would pass the bill but was more optimistic than others have been about the Environmental Protection Agency being able to implement an effective regulatory approach to the problem should the legislative effort fail.

Energy Leadership Speaker Series Hosts Hebert, Cole

LSU alumni Quinn Hébert, chairman of Cal Dive International, Inc., and Sharon Cole, site director of The Dow Chemical Company's Louisiana Operations, were the featured speakers of the spring Energy Leadership Speaker Series events. Hébert, whose company is a marine contractor that provides manned diving, derrick, pipelay, and pipe burial services to the offshore oil and natural gas industry, discussed repair efforts in the aftermath of Hurricane Katrina. Cole, head of one of the largest petrochemical facilities in the state, with more than 3,000 employees and contract employees, shared Dow's perspective and strategy on energy management Issues. The events provide opportunities for students, faculty, and staff to meet with leaders of the region's energy and petrochemical industries.

CES Provides Analysis to Louisiana PSC

At the request of Louisiana Public Service Commissioner Eric Skrmetta, David Dismukes prepared an analysis of recent policy proposals to change margin requirements for certain energy commodity trades. The information was requested for use in a potential policy resolution for the LPSC supporting policy changes that would increase the reserve minimum margin requirements. Dismukes and research associate Christopher Peters conducted a survey of studies examining the impact of margin regulations and requirements on equity and commodity price volatility. The survey revealed that most government-mandated reserve requirements did little to reduce equities or commodities price volatility. Dismukes submitted a background report and an overview of the subject in June.

Statewide GHG Inventory Project Reaches Milestone

A team of CES researchers, led by Mike McDaniel, awaits one reporting sector before completing the Louisiana green house gas (GHG) inventory, the first element of the project "Preparing Louisiana for the Possible Federal Regulation of Greenhouse Gases." The project, funded by the Louisiana Department of Economic Development, is designed to help assess potential impacts of expected federal GHG emissions regulations on Louisiana and to help strategically position the state to meet challenges and opportunities resulting from federal regulations. McDaniel presented the inventory to the Project Advisory Team in August.

The second element of the project will be a review of measures being taken or contemplated by other states to accommodate expected federal GHG regulation or climate change concerns. The third element will be a high-level assessment of the impacts of the most likely federal GHG regulatory schemes on Louisiana's economy. The fourth will be a list of potential state and industry strategies for responding to requirements and opportunities brought by federal GHG regulation.

Iledare Named to SPE Editorial Board

The Society of Petroleum Engineers has named Wumi Iledare to the editorial board for its newest journal, *SPE Economics & Management*. The board comprises university faculty and industry representatives. The executive editor is Frank Koch of Chevron.

SPE Economics & Management, which will be available only online, covers a wide range of topics of interest to managers, including resource and reserve evaluation, portfolio and asset management, project valuation, strategic decision making and processes, uncertainty/risk assessment and mitigation, systems modeling and forecasting, benchmarking and performance indicators, information and knowledge management, digital energy, and petroleum economics. Subscriptions will be available for 2010 beginning later this year.

Dismukes Delivers Keynote Address to Automation Professionals

David Dismukes was the keynote speaker at the 2009 International Society of Automation (ISA) Technical Conference and Expo March 12 in Lafayette. His topic was "2009 Energy Outlook: Policies and Trends." The ISA, with a membership of more than 30,000 in 110 countries, develops standards, provides training and certification, and hosts conferences and exhibitions for automation professionals. The Lafayette Section members are primarily from the upstream oil and gas industry and include experts in the application of technology associated with processes in the oil patch. The Acadiana area is considered the "Center of Excellence" for experienced instrumentation and control system designers, engineers, programmers, project managers, and technicians.

Iledare Lectures on Global Petroleum Supply

At the University of Port Harcourt Institute of Petroleum Studies this summer, Wumi Iledare presented "Global Petroleum Supply and Pricing: Is the World Running Out of Oil?" in which he reviews and evaluates the key components of global petroleum resources and supply to facilitate better understanding of the role of key players in the mechanics of crude oil pricing and supply outlook. Iledare concludes that restricted access to global petroleum resources and lack of effective conservation measures and instruments could indicate the end of the era of cheap oil rather than geological scarcity of petroleum resources. The lecture was sponsored by the Emerald Energy Center for Petroleum Economics, Policy & Strategic Studies.

Dismukes Participates in NABE Policy Conference Panel

In March, David Dismukes served on a National Association for Business Economics Policy Conference panel in Washington, D.C. With the theme "Restoring Financial and Economic Stability" the conference addressed economic factors causing instability and examined policy solutions offered by the Obama administration. Dismukes and Guy Caruso, former Energy Information Agency administrator, discussed U.S. energy independence. To view Dismukes' presentation, "The Cost of Energy Independence, Climate Change, and Clean Energy Initiatives on Utility Ratepayers," visit www.enrg.lsu.edu/presentations/2009.



With the Louisiana greenhouse gas inventory nearing completion, Mike McDaniel has begun reviewing efforts of other states to mitigate greenhouse gas emissions, the second element of his four-part project funded by the Louisiana Department of Economic Development.



Damian Billeaudeau of Draka International (center) and Gary Hutchinson of Chevron (right) present a gift to 2009 ISA Technical Conference keynote speaker David Dismukes.

McDaniel Provides State Alternative Fuels Overview at Environmental Conference

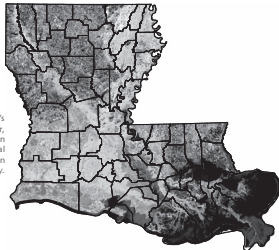
At the March 2009 Solid Waste Association's Environmental Conference in Lafayette, CES professional-in-residence Mike McDaniel addressed developments in alternative energy sources with a focus on the larger energy picture for the state. McDaniel reported on the status of Louisiana's unconventional energy resources, waste-to-energy, renewable energy resources, and alternative transportation fuels.

Louisiana Geological Survey

Geological Characterization of the Chicot/Atchafalaya Aquifer Region: Southwest Louisiana

L. Riley Milner & Chad Fisher
2009

One of the nation's largest sources of freshwater, covering an area greater than 10,000 mi² and having an annual withdrawal of just under 800 million gallons per day.



Water Resources Series No. 4

Louisiana Geological Survey Announces New Releases

The Louisiana Geological Survey has released a new publication titled *Geological Characterization of the Chicot/Atchafalaya Aquifer Region: Southwest Louisiana* by L. Riley Milner and Chad Fisher (Water Resources Series #4). The publication provides detailed information on the geology and groundwater resources of the Chicot/Atchafalaya aquifer region of southwest Louisiana. It includes maps of the surface elevation, top of the Chicot/Atchafalaya aquifer region sediments (base of the surface's containing clay), base of freshwater, and Stratigraphic base of Pleistocene age sediments, and 14 stratigraphic cross-sections.

The Amite Geologic Quadrangle map authored by Richard McCulloh, Paul Heinrich, and John Snead has also just been published. Scale = 1:100,000, 28 X 48". The multicolored map describes and illustrates the surficial geology of the Amite Quadrangle.

Both publications are available for purchase by contacting Patrick O'Neill at the LGS publications office at 225/578-8590. All LGS publications are listed on the LGS website www.lgs.lsu.edu.



PTTC Contract Renewed for Five Years

In July, the Center was informed that the U.S. Department of Energy would fund the Petroleum Technology Transfer Council (PTTC) at approximately the same, greatly reduced level it has for the past two years. Although the new contract will provide a part of the essential base-level funding needed to continue the program until an industry-funded model can be developed by its new national sponsor, the American

Society of Petroleum Geologists (AAPG), the funding is much below the level it was when DOE funded it through the national PTTC organization. The director of the program at LSU, Don Goddard, retired in July but has offered to provide advice and guidance on a volunteer basis. CES continues to believe that transferring new exploration and production technology to smaller independent producers who are active in Louisiana is a good investment from an economic development/state revenue perspective that is consistent with LSU's role as the flagship university. CES will continue to try to find ways to secure the resources necessary to restore it to its historic level of activity and effectiveness.

Visit www.enrg.lsu.edu/pttc for a full schedule of PTTC workshops.

State Energy Office Reviews Potential Projects

The Center coordinated a brown-bag lunch meeting April 1 between the Louisiana Department of Natural Resources (DNR) and LSU energy researchers to outline potential areas of coordination with state energy office activities. DNR deputy secretary Lori Leblanc and Technology Assessment Division director Mike French participated in the meeting. LSU mechanical engineering professor and director of the Center for Turbine Innovation and Research Sumanta Acharya discussed alternative technologies and fuel sources to reduce NOx emissions and improve efficiency and reliability. Chacko John, director of the Louisiana Geological Survey, discussed geopressured-geothermal reservoir development, which has recently become more attractive with the increased interest in developing alternate energy resources to reduce consumption of fossil fuels and dependence on foreign energy imports. Mike McDaniel, CES professional-in-residence, shared plans for research in CO₂-enhanced oil recovery and the Center's greenhouse gas inventory project, and discussed the development of the Capital Area Transit System's use of compressed natural gas, which would require funds to retrofit the fleet of buses.

Project to Help Identify Likely Areas of Socioeconomic Impacts from Offshore Oil and Gas Activities

CES recently received a \$439,872 award from the Minerals Management Service for a project that will help it identify the best configuration of geographic units to discharge the planning and analysis responsibilities the agency has been given.

The combination of geographical units that the Gulf of Mexico Region MMS uses for planning purposes in their general, multiyear environmental impact statement are the 13 Gulf Economic Impact Areas (EIAs). The EIAs are composed of 132 county or parish units divided into 23 Labor Market Areas (LMAs) spreading across five states from Texas to Florida. Not all of these units are significantly impacted by offshore oil and gas activity or by MMS actions or decisions. The objective of the project is to identify those LMAs and/or counties that may be affected significantly, either negatively or positively. The project will also try to differentiate among the types of offshore activities that may be responsible for such impacts—drilling as opposed to production, for example.

Allan Pulsipher is the Principal Investigator. Kathy Perry, a CES research associate and regional planner, also will work on the project with Matt Fannin from Agricultural Economics and Nina Lam of LSU's Department of Environmental Sciences. The project will begin in October and is scheduled for two years.

Good Press for CES



***Times-Picayune* Covers PSC Natural Gas Outlook**

In May, the New Orleans daily reported on David Dismukes' natural gas outlook presentation to the Louisiana Public Service Commission. Dismukes forecast prices to remain low through the end of the year, "likely less than \$4.50 per mmbtu," citing the recession and new shale discoveries.

McDaniel Contributes to *The Alliance*

Mike McDaniel was asked to write an article for the Louisiana Chemical Industry newsletter *The Alliance* Spring 2009 edition. McDaniel's piece, "Will There Be Federal Climate Legislation This Year?" outlines the factors affecting the momentum of federal action on climate change legislation.

He cites the recession, national energy legislation on greenhouse gases, uncertainties about global warming hypotheses, and the lessening of public concern in the U.S. over global warming as reasons federal legislation might not be enacted as swiftly as previously thought.

Website Makes Video Debut

After David Dismukes participated in the National Association for Business Economics in March, a video produced for the NABE's website briefly showed the homepage of the CES website, with the narrator stating, "The Center for Energy Studies says renewable made up only 6% of U.S. energy supply in 2007."

McDaniel's Work Cited in 2 *The Advocate*

In *The Advocate* on March 27, an article on the East Baton Rouge bus system, CATS, "going green" with new environmentally friendly buses also mentions Mike McDaniel's efforts, with the help of the federal Clean Cities Program, to secure funding for a compressed natural gas maintenance facility and replacement parts for the buses. The article states that McDaniel is also helping LSU and the city-parish obtain funds for CNG-fueling facilities.

***Daily Report* Quotes Dismukes in Gas Price Article**

In May, David Dismukes was quoted in the Baton Rouge Business Report's *Daily Report* regarding the rise in gasoline prices since the first of the year, in spite of the almost 20-year high in U.S. crude inventories and low demand. Dismukes explained that crude had risen because of the devaluation of the U.S. dollar. He expressed doubt that speculators were driving the oil market but agreed they had an effect on it, stating that \$70-a-barrel oil, compared to the \$60 range that week, would attract speculators, which could drive up the price. Dismukes also cited the shift in the nation's gasoline surplus from the upper end of the five-year average to the lower end in a few weeks, which added to the volatile market.

Davis, Goddard Retire

After 38 years of service, **Don Davis**, director of the Louisiana Oil Spill Research and Development Program, retired from LSU January 9. The Center honored Davis with a retirement reception January 28. He is currently Emeritus Professor of Research and adjunct professor with the LSU Department of Geography and Anthropology. He is also Director Emeritus of Oral History at Sea Grant, where he is developing an oral history of the wetlands. Cultural and environmental oral histories of the coastal zone will be available online and in libraries. Some will be edited into short Web-based films. Davis is working on the project with Sea Grant staff, as well as Carl Brasseaux, professor in the Department of History and Geography at the University of Louisiana at Lafayette.

Don Goddard officially retired from LSU July 31 after 14 years of service between 1991 and 2009. Goddard served as coordinator and then director of the Petroleum Technology Transfer Council of the Central Gulf Region for a total of nine years. During this period, Goddard, along with the Producer Advisory Group, was responsible for identifying and transferring upstream technologies to Louisiana independent producers. His petroleum research activities included integrated field studies of mature producing areas and regional production of Gulf Coast sedimentary basins. Prior to directing PTTC, Goddard was an assistant professor-research at LSU's Basin Research Institute (1991-1996), where his research involved the characterization of Tertiary age reservoirs in Central Louisiana and basin analysis of the Gulf Coast Region. Goddard began his career in 1965 with Gulf Oil Co. (Mene Grande) in Eastern Venezuela. Today, he continues work as a consultant in exploration geophysics and production geology, when he is not sailing his 18-foot Hobie catamaran. At the time of publication, plans for Goddard's retirement celebration were under way.

CES Awards Brooksher, Hood Scholarships for Fall

The LSU Center for Energy Studies is pleased to announce the Fall 2009 recipients of the Robert R. Brooksher /LMOGA Scholarship and the first F. Malcolm Hood Scholarship. Three students have been awarded the \$500 Brooksher scholarship: Senior geology major Jesse Landreneau from New Orleans (a two-time recipient), and petroleum engineering majors Alaina Johnson, a senior from Denham Springs, La., and Allison Kuykendall, a junior from Kingwood, Texas.

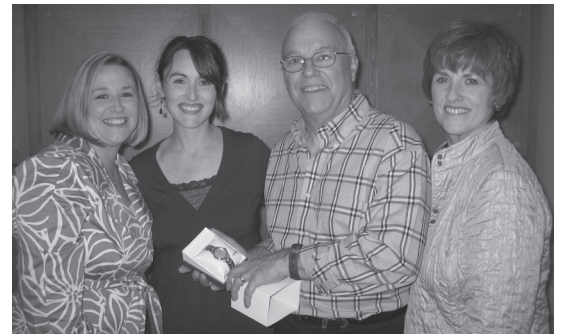
The scholarship is named for the late Robert R. Brooksher, Jr., who was executive vice president of Louisiana Mid-Continent Oil and Gas Association and a founding member of the LSU Center for Energy Studies' Advisory Council.

The first F. Malcolm Hood Scholarship, a \$400 award named for the long-time supporter of the LSU Center for Energy Studies, has been awarded to Peyton Tippet, a junior petroleum engineering major from Bossier City, La. The Hood scholarship was created to honor the late F. Malcolm Hood, a highly regarded energy industry spokesman who served as an advisor when the Center was created and was a member of its Advisory Council.

Both scholarships are awarded to deserving students in energy-related fields of study and are intended to be applied toward the purchase of books.



For nearly a decade, Don Goddard brought new technologies to independent oil and gas operators throughout the region.



Don Davis celebrates his retirement with (l-r) daughters Shaunna Landry and Jacelyn Gray, and wife Karen Davis at a reception January 28.

*We would like to
thank our sponsors*

The Center expresses its gratitude
to the following sponsors, who made this year's conferences and
workshops possible

American Electric Power

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▼ **SAVE THE DATES** ► **Introducing**

Energy Summit 2009
**Energy Market
Challenges and
Opportunities**
October 28, 2009
8:00 a.m. – 5:00 p.m.
Presented by the Center for Energy Studies

Supply Chain Management Symposium
**Best Practices for a
Global Economy**
October 29, 2009 Presented by the LSU E. J. Ourso College of Business
8:00 a.m. – 1:30 p.m.

LSU

Register for both events at www.enrg.lsu.edu/conferences Dalton J. Woods Auditorium - LSU Energy, Coast & Environment Building - Baton Rouge

Missed a recent presentation?

www.enrg.lsu.edu/presentations/2009

Recent presentations by CES faculty and staff include

POTENTIAL IMPACTS OF CAP AND TRADE ON LOUISIANA RATEPAYERS: PRELIMINARY RESULTS

At the May Louisiana Public Service Commission Business and Executive Session, David Dismukes presented the Center's work on the state's greenhouse gas emissions research, including CO₂ emission trends, the mechanics of cap and trade, and potential rate impacts.

MODELING DEEPWATER EXPLORATION AND DEVELOPMENT PROSPECTIVITY IN THE U.S. GULF OF MEXICO

Wumi Iledare presented his work on prospectivity in deepwater GOM at the USAEE/IAEE International Conference in San Francisco in June

MOBILITY MANAGEMENT & TRANSPORTATION SYSTEM MODELING

CES research associate Lauren Stuart prepared this presentation, featuring a traffic reduction case study of the LSU campus, for the USAEE/IAEE conference.

LOUISIANA'S BIOENERGY RESOURCES

In preparation for delivering a paper and presentation for the Third Louisiana Natural Resources Symposium held in July, Mike McDaniel conducted a thorough review of Louisiana's bioenergy resources and the potential for development in the state. The focus of the paper and presentation was Louisiana's bioenergy future. Some of the information developed in this effort was also presented at Congressman Bill Cassidy's Green Business Energy Summit August 13.

EVOLVING CARBON AND CLEAN ENERGY MARKETS

At the Jones Walker Carbon Capture Briefing held at CES July 23, David Dismukes participated in a panel discussion of the challenges and opportunities regarding possible CO₂ emissions regulations.

PROGNOSIS FOR FEDERAL GREENHOUSE GASES REGULATION AND ITS POTENTIAL IMPACTS ON LOUISIANA

In late July, Mike McDaniel was a featured speaker at the Association of Louisiana Electric Cooperatives, providing a prognosis for federal greenhouse regulation and its potential impacts on Louisiana.

CARBON LEGISLATION AND CLEAN ENERGY MARKETS: POLICY AND IMPACTS

Presented to the National Association of Conservation Districts at the group's South Central Region Meeting, this presentation by David Dismukes lays out the implications of GHG regulation for energy prices, energy market structure, the distribution of wealth across sectors, and more.



Center for Energy Studies
Energy, Coast & Environment Building
Baton Rouge, LA 70803

Non-Profit Org.
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The Center for Energy Studies conducts, encourages, and facilitates research and analysis to address energy-related problems or issues affecting Louisiana's economy, environment, and citizenry.

Whether conducted by its staff or by others it supports, the Center's goal is to provide a balanced, objective, and timely treatment of issues with potentially important consequences for Louisiana.

Visit www.enrg.lsu.edu to read about the latest news and events at the CES.