

# ENGINEERING NEWS

LOUISIANA STATE UNIVERSITY COLLEGE OF ENGINEERING

FALL 2001 • • • VOLUME 29, NUMBER 1

## HALL OF DISTINCTION INDUCTEES

ALFREDO M. LOPEZ AND  
A.J.M. "BUBBA" OUSTALET JR.

Story on page 4



At left: Chancellor Mark Emmert congratulates Hall of Distinction inductees Alfredo M. Lopez and A.J.M. "Bubba" Oustalet Jr.



**BHABA SARKER**, PROFESSOR, RECENTLY WORKED WITH NASA MARSHALL SPACE FLIGHT CENTER AND KENNEDY SPACE CENTER ON AN ASEE SUMMER FACULTY FELLOWSHIP, WHERE HE CONDUCTED EXPLORATORY RESEARCH TO MANAGE THE SPACE LAUNCH INITIATIVE (SLI).

Story on page 29



Bhaba Sarker



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Space shuttle, Discovery liftoff photo courtesy of National Aeronautics and Space Administration



# FROM THE DEAN



*I am* **EXCITED TO SHARE WITH YOU** the state of the College of Engineering at Louisiana State University. The college is on with a good start for the 21st century. It is seeing successes in education, research, and outreach. These accomplishments have been fueled in part by the entrepreneurial spirit of the faculty and staff and the goodwill of our friends and alumni. The faculty and the students are using their talents to maximize the outcomes from the college and department initiatives aimed at enhancing the college's standing. It is a time of great opportunities for engineering at LSU.

Faculty members in the College of Engineering are engaged in cutting-edge research that is leading to the discovery of new knowledge and the advancement of technology that will ultimately benefit the state and the nation. For example, our engineering faculty are investigating new ways to clean up the nation's harbors and estuaries, improving wastewater treatment for protection of marine lives, researching cheaper and cleaner energy that will reduce cost and improve quality of life, designing and developing microstructures for medical and biological applications, and creating sensing and visualization tools for intelligence gathering and the promotion of national security.

The increased research activities have opened up doors for greater collaboration with industry and national research labs. In the past year and a half, we have seen the approval of new research centers by the Board of Regents. These centers include the Center for Microsystems, the Center for Rotating Machinery, the Turbine Innovation and Energy Research Center, and the Institute for Ecological Infrastructure Engineering. Furthermore, the majority of the faculty affiliates in the LSU Hurricane Center come from the college as well. Our existing research centers, such as the Louisiana Transportation Research Center and the Hazardous Substance Research Center/South and Southwest, continue to perform exceedingly well.

The college is also taking measures to pursue research in emerging and promising new areas in information technology, environmental engineering and technological hazards, biological/biomedical engineering, intelligent engineering infrastructure systems, and materials engineering. New degree concentration areas have already been approved in three of the five areas to give our students the skills they would need in the future. The level of research and educational activities in information technology will see significant increase in the years to come as a result of new funds made available by the state in support of an information technology initiative. The college is well poised for the new challenge.

The College of Engineering continues to attract very qualified new faculty who are leaders in their fields. These new faculty members add to our talent pool to make us even more competitive. Our undergraduate enrollment continues to grow, in spite of the new higher SAT requirement for entry into the college. On the other hand, the graduate enrollment has remained basically flat in recent years. Increasing the college graduate enrollment, especially of domestic students, continues to be a high priority. The core of the problem is the ever-increasing size of stipends paid to graduate students at other universities. We are counting on the renovation in our graduate program curricula and improvement in funded research to alleviate this problem.

While one of our priorities is to increase graduate student enrollment, we are also cognizant of the challenges that come with such increase, a challenge that is already here with us. Graduate students need office space to do their work. The college is currently facing a severe shortage of office and laboratory space. The need for new space is ever more critical as new faculty hires generally require more laboratory space to support their research than their retired counterparts whom they replace. We continue to seek funding support from the state, alumni, friends, and corporate partners to help us overcome the problem through new constructions and renovation of existing space.

College of Engineering faculty are touching lives in the state of Louisiana in many ways. As part of service-learning class projects, engineering faculty work with students to build playgrounds at K-12 schools to benefit elementary school students. There is a growing partnership between the college and school districts in Louisiana. Through partnerships between the college and school districts, engineering faculty are helping middle and high school students improve their skills in science, math, engineering, and technology (SMET) topics. Engineering faculty host K-12 teachers in summer to work on projects that increase their teaching effectiveness in SMET disciplines.

Our roots continue to grow deeper into the fabric of everyday lives in Louisiana. Our aim is not only to bring engineering to the people of Louisiana but also to make the College of Engineering more relevant to the people of the state. To us, this means participation in training future engineers, training the workforce in science and engineering, advancing knowledge and technologies, and making the state more economically competitive.

As you can see, the college is active and well and is transforming lives for the better through our research, education, and outreach programs. We are a college with a mission. We look to the future with great hopes and excitement. We welcome you to join us in this exciting journey and thank you for your continued support.

Pius J. Egbelu  
Dean and Bert S. Turner Distinguished Professor



## PUBLISHING INFORMATION

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## COLLEGE RECEIVES SUPPORT FROM INDUSTRY ADVISORY BOARD

THE COLLEGE OF ENGINEERING Dean's Industry Advisory Board held two meetings this year to discuss various college operations. The spring 2000 meeting was held April 6 at the Lod Cook Alumni Center and covered areas such as the 2003 Accreditation Board for Engineering and Technology (ABET) visit, budgetary challenges and enhancements, getting in touch with lost alumni, and expansion problems in the college. On October 5

the fall 2001 meeting was held at Pennington Biomedical Research Center and included topics such as making the College of Engineering more relevant to the state of Louisiana, balancing undergraduate education and research and graduate studies. Board members included leaders from business and industry with a wealth of knowledge and strong vision of leading the LSU College of Engineering into the 21st century.

## DEPARTMENT NEWS

**Tammy Vieira Abshire**, Dean's Office, received her master's degree in social work in August 2001.

**Margaret Hymel**, Dean's Office, retired in December 2000, and **Margaret Brewer**, formerly of Remote Sensing and Image Processing Laboratory, currently serves as administrative assistant to the dean.

**Lillian Kleinpeter**, Division of Engineering Services, has been promoted to assistant director.

**Cherry McKenzie**, Division of Engineering Services, has been promoted to coordinator of purchasing.

**Tom Smailus**, Division of Engineering Services, was married on May 19, 2001, to Melanie Huh. He also received his Ph.D. in computer science in August 2001.

**Ellen Stevens**, Division of Engineering Services, has been promoted to coordinator of grants and contracts.

# ENGINEERING HALL OF DISTINCTION

## Two Distinguished Alumni Inducted

THE LSU COLLEGE OF ENGINEERING IS PROUD TO WELCOME THE TWO DISTINGUISHED ENGINEERS WHO WERE INDUCTED INTO THE COLLEGE OF ENGINEERING HALL OF DISTINCTION IN 2000–2001:

**ALFREDO M. LOPEZ AND A.J.M. "BUBBA" OUSTALET.**



*Alfredo M. Lopez and A.J.M. "Bubba" Oustalet*

THE COLLEGE OF ENGINEERING established the Hall of Distinction in 1979 to recognize individuals who have made significant contributions to the engineering profession. Seven charter members were elected at that time, and 40 achievers have been added since then.

The engineers elected to the Hall of Distinction have come from widely varied backgrounds—from the highest levels of engineering research to the top management of multinational corporations.

Criteria for election include distinguished professional achievement, dedicated service to engineering, and outstanding humanitarian activities. Eligibility is not limited to LSU alumni,

although it is expected that nominees will have had some connection with and shown interest in LSU.

Nominations are solicited each year from alumni, faculty, and friends of the college. Election to the Hall of Distinction is by a broadly constituted ten-member Board of Election, which reviews and acts on nominations.

In honoring these people, the College of Engineering believes that it is, at the same time, honoring all those engineers whose contributions, although not all visible to the public, are nonetheless significant and collectively exemplify engineering as a profession unparalleled in its contributions to society.

### Alfredo M. Lopez

Alfredo M. Lopez, a native of Havana, Cuba, is vice president of Research and Development, ExxonMobil Research and Engineering Company. Lopez received his bachelor's degree in 1965, M.S. in 1965, and Ph.D. in 1967, all from LSU's chemical engineering department. Upon graduation Lopez joined the Systems Engineering Division of Exxon Research and Engineering Company as a process control engineer. In 1977, he became manager of Exxon Research and Engineering's Gas and Heavy Oils Processes Division followed by subsequent management positions in computing technology, synthetic fuels planning, and process development.

In 1984, Lopez became director of process development in the Baton Rouge Laboratories of Exxon Company, U.S.A. Three years later, he joined



*Alfredo M. Lopez*

the staff of the president of Exxon Research and Engineering as quality manager. Lopez became technology coordinator in the refining and planning department of Exxon Company International in 1989 and became manager of Exxon Research and Engineering's Projects Department two years later. In 1993 Lopez was promoted to vice president of Corporate Research and assumed his current position as vice president of Research and Development, ExxonMobil Research and Engineering Company, in December 1999.

Lopez is chairman of the board for the United Way of Morris County and was the Morris County fund-raising campaign chairman for 1995–96 and 1996–97. He serves on the New Jersey Institute of Technology's Albert Dorman's Honors College Advisory Board, is a member of the American Institute of Chemical Engineers, and is a corporate associate of the American Chemical Society.

Lopez is a member of the Board of Advisers of the Gordon A. and Mary Cain Department of Chemical Engineering and most recently has been appointed to the Board of Trustees for St. Claire's Health Services. He is an ExxonMobil representative on the Council for Chemical Research Inc. and is a past chairman of the Research and Development Council of New Jersey. He is also a trustee of the Exxon-Mobil Education Foundation and a member of the Conference Board's International Council on Management of Innovation and Technology.

In 1963, Lopez was married to the former Maria Coalla of Havana, Cuba, and they have two children: Mary and Alfred. Lopez presently resides in Randolph, New Jersey.

### A.J.M. "Bubba" Oustalet Jr.

A.J.M. "Bubba" Oustalet Jr., chairman of the Bubba Oustalet Automotive Group, received his bachelor's degree from LSU in mechanical engineering in 1947. A graduate of Holy Cross High School, Oustalet is a native of New Orleans, Louisiana, and currently resides in Jennings, Louisiana, and Pass



A.J.M. "Bubba" Oustalet Jr.

Christian, Mississippi. Oustalet works with franchises for seven automobile lines and owns real estate companies in both Jennings, Louisiana, and Gulfport, Mississippi.

Prior to completing his senior year in the LSU College of Engineering, Oustalet was called to serve in the Naval Air Force during World War II as a flight engineer. During that time, he graduated from the Pan American Airline Flight Engineering School in New York and from the Navy School in Memphis, Tennessee, majoring in aircraft engineering and mechanical structure. Upon his return to LSU, Oustalet worked as a student instructor in the mechanical engineering engine lab before attaining his bachelor's degree in mechanical engineering in 1947.

From 1948–52, Oustalet served as general manager of Capital City Ford in Baton Rouge. He then relocated to Dearborn, Michigan, where he served as president of the Ford Dealer Training School for seven years. In 1955, he was elected to the National Ford Dealer Council of America and was later elected president of the National Ford Dealers Council Board in Dearborn, Michigan. He served as president and director of the Louisiana Auto Dealers Association and the Ford Advertising Board, and as director of the Lincoln-Mercury Dealers Advertising Board.

He has served as chairman and board member of the Zigler Founda-

tion, president and director of the Zigler Hotel Board, and as chairman of G.B. Zigler Co. & Shipyard Inc. in Jennings, Louisiana.

Oustalet has been active in the communities of Jennings and Pass Christian, having served as president of the Jennings Association of Commerce, director of the Best Western Hotel of Gulfport, Mississippi, and director of Whitney Bank of Mississippi and American Bank Group of Jennings, Louisiana. He also served as a member of the Governors' staff of Louisiana and Mississippi and was a member of the Louisiana Governor's Consumer Protection Board.

Oustalet has received numerous awards for community service as well as professional achievement. He was selected as the Outstanding Citizen of Jennings and the Louisiana Outstanding Young Businessman by Louisiana Junior Chamber of Commerce. He was voted Louisiana's Outstanding Dealer by the Louisiana Auto Dealer's Association and was also selected *Time* Magazine National Quality Dealer in 1976. Oustalet has received Ford Motor Company's highest honor—the Distinguished Achievement Award—and was also given Ford Motor's Special Honor, the President's Award.

Oustalet is a member of the LSU College of Engineering Dean's Advisory Board and the LSU Foundation. He was inducted into the LSU Alumni Association Hall of Distinction and received the LSU Alumni Association Purple and Gold Award. He has been a great benefactor to the LSU College of Engineering, having personally sponsored two \$100,000 professorships, and one \$100,000 professorship by the Zigler Foundation. In 1999, he was named LSU Alumnus of the Year and received the LSU Foundation President's Award for Lifetime Support at the Guarantor Level. He is also listed on the Wall of Honor of the Lod Cook Alumni Center for his support in the construction of the facility.

Oustalet is married to the former Lena Mae Easley of Shreveport, Louisiana, and they have 10 children; nine of whom have LSU degrees.

# ENGINEERING GRADS RECEIVE TOP HONORS

**T**HE UNIVERSITY issues degrees summa cum laude, magna cum laude, and cum laude based on students' grade-point averages. Summa cum laude degrees are awarded to students whose grade-point averages are between 3.90 and 4.00. Magna cum laude degrees are awarded to students whose grade-point averages are within 3.80 and 3.89. In order for a degree to be awarded cum laude, the grade-point average must be between 3.70 and 3.79. A student graduating with an overall 4.00 average is granted LSU's highest award, the University Medal.

The following engineering students have received recognition for earning top honors at commencements in 2000–2001:

## Fall 2000

### Summa Cum Laude

Travis Anthony Fox	CE
Soo Ping Saw	EE

### Magna Cum Laude

Christopher Aaron Myers	BE
William Jefferson Pogue	EEC

### Cum Laude

Eric Kok Hin Chang	ME
Heather E. Douglas	EEC
Raphael Kin Ying Hu	EEC
Jeffrey Philip Lively	CE
Brian Patrick Lahr	PETE
Randall Scott Reed	ME

## Spring 2001

### Summa Cum Laude

Jeffrey A. Bienvenu	EEC
Scott M. Brandt	ME
Tessa H. Byrne	BE
Shirlene L. Chew	CHE
Sloan T. Gonzales	EE
Ryan J. Guiteau	EE
Siow H. Hau	IE

Chad A. Kennedy	EEC
Gladys S. Mak	BE
David W. Milanes	ME
Amanda L. Monus	PETE
Wai-Leong Mook	EE
Hoe-Hin Ong	EE
Rebecca J. Plauche	EE
Christine T. Seiler	PETE

### Magna Cum Laude

Christian P. Aucoin	CHE
Ben L. Brown	EE
Eric M. Kracht	IE
Chiew H. Lee	IE
Rebecca J. Lorenz	CHE
Marjorie E. McBride	CHE
Chong Y. Oo	ME
Jennifer Pusch	CHE
Julie A. Spoelker	BE
Wojciech T. Stryjewski	EEC
Cheng-Hui Tneh	EE

### Cum Laude

Senyo B. Apewokin	EEC
Aimee A. Blazier	EVEG
James B. Calcote	CHE
Anna L. Champion	CHE
Rachel B. Gossen	CE
Kelley L. Green	CHE

Travis C. Lane	CHE
Colin M. LaRose	EE
Darren J. Marchal	CHE
Boon P. Ng	EE
Ali Pourmohamadian	ME
Tessa M. Rivere	CE
Jason T. Salsiccia	EEC

## Summer 2001

### Summa Cum Laude

Ana Marie d'Empaire	IE
Vishwani Sunity Silochan	EE

### Magna Cum Laude

Jose Mauricio Marulanda	EE
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### Cum Laude

Brian Gayle	EVEG
Matthew Charles Kern	ME



## MCLAUGHLIN MEDAL AWARDED FOR ACADEMIC EXCELLENCE

The College of Engineering awards the Edward McLaughlin Dean's Medal for Excellence each semester to the engineering student(s) graduating with the highest grade-point average.

The medal was created by the Advisory Council of the College of Engineering, spearheaded by **Newton B.**

**Thomas**, in recognition of the outstanding contributions of **Dean Edward McLaughlin** during his 28 years of service to the University as a professor, researcher, chemical engineering department chairman, and finally as dean for 10 years.

The bronze medal is 2 1/2 inches in diameter and hangs from scarlet and gold ribbons, the colors of the University of London, Dean McLaughlin's alma

mater. It depicts two shamrocks representing his homeland and a Louisiana swamp scene including cypress trees and logs, turtles, egrets, and pelicans, one of which is in flight, forecasting the burgeoning career ahead for the recipient.

Recent recipients of the McLaughlin Medal include:

### FALL 2000

Travis Anthony Fox	CE
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### SPRING 2001

Ryan John Guitreau	EE
Chad Andrew Kennedy	EEC
Amanda Lenore Monus	PETE
Wai-Leong Mook	EE
Hoe-Hin Ong	EE
Rebecca Jane Plauche	EE



*Travis Fox, McLaughlin Medalist Fall 2000, stands with Edward McLaughlin after receiving his medal at graduation.*



*Spring 2001 University and McLaughlin Medalists from the College of Engineering stand with former Dean Edward McLaughlin, left, and Dean Pius Egbelu, far right. Medalists were Ryan Guitreau, Rebecca Plauche, Chad Kennedy, Amanda Monus, Hoe-Hin Ong, and Wai-Leong Mook.*



### CORRECTIONS/OMISSIONS

Assistant Dean/Director **Carol Carney** retired in 2000 from the College of Engineering and the Division of Engineering Services. She served the college for 13 years. Carney was responsible for managing the college's budget, including state and foundation accounts, personnel, and grants and contracts. She is currently enjoying her retirement and is active in many community and civic organizations.

# SEPTEMBER 11, 2001



**A**LL OF US at the LSU College of Engineering extend our heartfelt thoughts and sympathies to the countless individuals, families, and organizations who have been affected by the recent tragedies in New York City, Washington, D.C., and Pennsylvania.

We are deeply saddened by the loss of life and destruction that occurred on September 11, yet extremely proud of the way our nation has responded. We wish to thank all those involved in the relief efforts for exhibiting heroic strength and resolve.

May you find peace and strength during this difficult time in our nation's history.

**GOD BLESS AMERICA!**

*LSU College of Engineering*

## CALLING ALL ALUMNI

The College of Engineering is constantly updating its alumni database with new contact information on its graduates. Your help is needed in supplying us with up-to-date information. Please take a moment to complete the alumni update form (see insert), including any personal achievements such as job promotions, awards, and family additions that we may use in the next newsletter, and return it to us by mail, fax (225/578-4845), or e-mail ([tammy@eng.lsu.edu](mailto:tammy@eng.lsu.edu)).

THANKS!



# ENGINEERING ENROLLMENT

## Fall 2001

CURRICULUM	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	TOTAL
Biological	0	21	31	42	94
Chemical	0	64	99	131	294
Civil	02	27	58	93	180
Computer	01	52	70	87	210
Construction Mgt.	0	39	102	160	301
Electrical	01	42	99	144	286
Environmental	0	07	12	39	58
Industrial	0	13	31	48	92
Mechanical	03	56	103	188	350
Petroleum	0	12	19	39	70
Non-Matric.	0	01	02	03	06
Exchange Students	0	0	02	0	02
<b>TOTAL</b>	<b>07</b>	<b>334</b>	<b>628</b>	<b>974</b>	<b>1,943</b>
(Fall 2000)	(07)	(295)	(615)	(988)	(1,905)

Entries from Ctr. for Freshman Yr.	294
Re-Entries	32
Transfers into Engineering from:	
Other Universities	39
Other Colleges at LSU(BR)	41
<b>TOTAL NEW STUDENTS</b>	<b>406</b>
(Fall 2000)	(322)

### CENTER FOR FRESHMAN YEAR

Biological	42
Chemical	162
Civil	99
Computer	180
Construction Mgt.	100
Electrical	137
Environmental	20
Industrial	23
Mechanical	209
Petroleum	87
Undecided and Non-Matriculating	420
<b>TOTAL</b>	<b>1,479</b>
(Fall 2000)	(1,441)

### GRADUATE SCHOOL ENROLLMENT

	M.S.	Ph.D.	TOTAL
Biological & Agricultural	12		12
Chemical	11	29	40
Civil	57	47	104
Electrical	52	25	77
Engineering Science	38	22	60
Industrial	18		18
Mechanical	44	36	80
Petroleum	12	13	25
<b>TOTAL</b>	<b>244</b>	<b>172</b>	<b>416</b>
(Fall 2000)	(229)	(161)	(390)

# ENGINEERING ENROLLMENT

## Spring 2001

CURRICULUM	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	TOTAL
Biological	01	10	24	49	84
Chemical	02	47	90	153	292
Civil	0	27	53	88	168
Computer	01	42	82	84	209
Construction Mgt.	01	24	103	151	279
Electrical	01	38	88	147	274
Environmental	0	05	07	52	64
Industrial	01	07	31	42	81
Indust. Tech.	0	0	0	02	02
Mechanical	05	30	111	211	357
Petroleum	01	03	25	48	77
Non-Matric.	0	0	02	03	05
Exchange Students	0	0	03	0	03
<b>TOTAL</b>	<b>13</b>	<b>233</b>	<b>619</b>	<b>1,030</b>	<b>1,895</b>
(Spring 2000)	(12)	(311)	(617)	(1,011)	(1,951)

Entries from Ctr. for Freshman Yr.	185
Re-Entries	41
Transfers into Engineering from:	
Other Universities	34
Other Colleges at LSU(BR)	38
<b>TOTAL NEW STUDENTS</b>	<b>298</b>
(Spring 2000)	(340)

### CENTER FOR FRESHMAN YEAR

Biological	52
Chemical	147
Civil	83
Computer	142
Construction Mgt.	118
Electrical	114
Environmental	32
Industrial	23
Mechanical	193
Petroleum	61
Non-Matriculating	176
Undecided	85
<b>TOTAL</b>	<b>1,226</b>
(Spring 2000)	(1,065)

### GRADUATE SCHOOL ENROLLMENT

	M.S.	Ph.D.	TOTAL
Biological & Agricultural	08		08
Chemical	10	28	38
Civil	50	38	88
Electrical	46	26	72
Engineering Science	36	22	58
Industrial	21		21
Mechanical	42	25	67
Petroleum	14	11	25
<b>TOTAL</b>	<b>227</b>	<b>150</b>	<b>377</b>
(Spring 2000)	(242)	(143)	(385)

# BIOLOGICAL AND AGRICULTURAL ENGINEERING DEPARTMENT

## FROM THE DEPARTMENT HEAD



*Richard L. Bengtson*

**T**HE NEW YEAR started with the Department of Biological and Agricultural Engineering (BAE) Annual Program Review on January 5. Nine scholarships were awarded at the Scholarship and Awards Banquet on March 15. Dana Scott, a 1996 graduate of our program, was the guest speaker. LSU has 138 biological engineering majors, with 95 in the College of Engineering; 59 percent are men and 41 percent are women. There were 15 B.S. graduates in May and one in August. Out of the 16, two graduated summa cum laude and three graduated cum laude. We also graduated three M.S. degrees. A departmental reception honoring all our graduates was held following commencement. There were 14 BAE students on the Chancellor's Honor Roll and 31 students on the Dean's List. The student organization continues to be active, and they hosted a crawfish boil in April 2001.

*Richard L. Bengtson  
Interim Department Head*

## GRADUATION HIGHLIGHTS

### BAE PRODUCES 15 GRADUATES

Fifteen BAE undergraduate students participated in the commencement exercises May 18, 2001, and received Bachelor of Science degrees in biological engineering. Congratulations to **Jason Braud, Tessa Byrne, Stephanie Cauble, Lakiesha Claude, Edward Doepp, David Gatz, Gladys Mak, Jill Matte, Jennifer Nichols, Erika Reeves, Tessa Rivere, Curtis Shakotko, Julie Spoelker, Natalie Tate, and Hieu Truong**. Professors **Richard Bengtson, Robert Edling, and Marybeth Lima** participated in the graduation ceremonies. **Tessa Byrne and Gladys Mak** graduated summa cum laude; **Julie Spoelker** graduated magna



*First row: Julie Spoelker, Lakiesha Claude, Erika Reeves; second row: Tessa Rivere, Rao Lakkakula, Gladys Mak, Jill Matte, Tessa Byrne, Jason Braud; third row: David Gatz, Stephanie Cauble, Jennifer Nichols, Natalie Tate, Ed Doepp*

cum laude; and, **Tessa Rivere** graduated cum laude. A reception honoring the graduates was held at the department

immediately following graduation. Family and friends of the graduates joined us in the celebration.



## STUDENTS CONSTRUCT PLAYGROUND AT BATON ROUGE SCHOOL

*By Jennifer Melancon, LSU Media Relations*



*Photo courtesy of LSU Magazine Spring 2001*

Playtime—do you remember it? Several LSU students had a chance to reconnect with the monkey bars and merry-go-rounds of their younger days as they worked to build a dream playground for students at Beechwood Elementary in Baton Rouge.

The playground project, planned and designed by LSU professor Marybeth Lima's freshman-level biological engineering class beginning in fall 1998, was completed in early August 2000.

With the supervision of Agrestics Inc. construction company, about 40 volunteers, including LSU and Southern University students, current and former Beechwood students, and members of the Baton Rouge community, built the play area, according to Lima.

"During a dedication ceremony on August 14, 2000, the first day of school for East Baton Rouge Parish, all students involved in the project pledged to enhance their physical, mental, and spiritual growth, as well as community spirit, in honor of the playground they helped create," Lima said.

"Watching the kids rush onto that playground was one of the best experiences of my life," said LSU student volunteer Lynn Hathaway, who worked full-time each day of the 13-day construction period.

In the planning stages of the project, LSU students met with Beechwood's principal, Georgia Jenkins, on an initial field visit to collect background information and geographical data. Beechwood children were then encouraged to envision their "dream playground" by taking part in a series of drawing exercises.

"In working with the Beechwood students, I was able to more fully understand how engineering works and that there are more than numbers, figures, and statistics to engineering," another LSU student said.

"Phase II of the playground construction process, scheduled to take place within the next year will involve the repair of two basketball courts and is estimated to cost approximately \$10,000," Lima said.

## DEPARTMENT NEWS

**Caye Drapcho**, associate professor, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change. Members are nominated by graduating seniors who felt they "had a positive impact on their LSU experience both inside and outside of the classroom."

**Marybeth Lima**, assistant professor, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change. Lima has also been recognized for her civic participation and awarded a Volunteer Service Award by the University. With her students, she designed and built a playground for students at Beechwood Elementary School.

**Terry Walker**, assistant professor, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change.

Past projects have included designing new animal habitats for LSU's Mike the Tiger; Southern University's mascot, Lacumba the Jaguar; Candi the Chimpanzee at Blue Bayou Waterpark; and the tigers at the Tiger Truck Stop in Gross Tete.

The project was also a learning experience for Beechwood students. Whether the LSU students realize it or not, they may have done some recruiting for the University. "That [project] was so fun," said one of the Beechwood students. "We enjoyed talking to the students from LSU. I may go to LSU when I grow up."



Professor Richard Bengtson, Julianne Forman, Jennifer Holtan, Kasie Lackie, Lance Black, Nyx D'Albor, Andrea Leonards, Jordan Whatley, and Dean Kenneth Koonce

## SCHOLARSHIPS AWARDED AT BAE BANQUET

The Biological and Agricultural Engineering Scholarship Awards Program was held March 15 at the Burden Research Conference Center. **Dana Scott**, a 1996 B.S. BE graduate and M.S. BAE 2000 graduate, was the guest speaker. The following scholarships were awarded to high achieving students majoring in biological engineering:

**Nyx D'Albor** and **Kasie Lackie** were awarded the Mansel M. Mayeux Hon-

orary Scholarship. **Nyx** is a senior from Plaquemine, and **Kasie** is a sophomore from Gonzales. **Mansel M. Mayeux** presented these awards.

**Jennifer Holtan** and **Andrea Leonards** were awarded the Wiley D. Poole Memorial Scholarship. **Jennifer** is a junior from Baton Rouge, and **Andrea** is a junior from Livonia. **Esler Poole** presented these awards.

**Julianne Forman** was awarded the Harold T. Barr Memorial Scholarship. **Julianne** is a junior from Baton Rouge. **Joe Smilie** presented the award to the recipient.

**Lance Black** was awarded the Carl H. Thomas Memorial Scholarship. **Lance** is a senior from Lafayette. **Christine Thomas** presented the award.

**Jordan Whatley** was awarded the Scott-Windham Scholarship. **Jordan** is a sophomore from Iowa, Louisiana, **Jimmy Dillion** presented the award.

Congratulations to all scholarship recipients. We are very proud of you! During the scholarship awards banquet, the Biological Engineering Student Organization presented several club awards; **Natalie Tate**, club president, distributed the awards. **Bilal Ghosn** and **Jack Heaton** received the President's Award. **Bilal** is a senior from Baton Rouge, and **Jack** is a senior from Carencro. The Outstanding Member Award was presented by Assistant Professor **Marybeth Lima** to **Jille Matte**, a senior from Carencro. President-elect **Jack Heaton** spoke on the future goals of the club. **Jill Matte**, club activities coordinator, presented the Racquetball Award to Professor **Randy Price**.

## ALUMNI NEWS

### 2000

**Chad Broussard** is employed at Odom Consulting Group.  
**Dane Gillen** works at PPM Consultants.  
**Roger Husser** is an employee of the LSU Agriculture Center.  
**Dana Michel Scott** is a Vulcan Chemicals employee.

### 2001

**Jason Braud** is employed at PSI.  
**Tessa Byrne** is employed by Conestoga-Rovers Environmental Consulting.  
**Stephanie Cauble** is an employee of LSU Medical Center.  
**Edward Doepp** works for URS Corporation.  
**Frederick Gatz** is employed by ERM.  
**Jill Matte** is an ERM employee.  
**Tessa Rivere** is employed at the University of Missouri.  
**Curtis Shakoto** is employed by Louisiana DEQ.  
**Julie Spoelker** works at Purdue University.

# GORDON A. AND MARY CAIN DEPARTMENT OF CHEMICAL ENGINEERING

## FROM THE CHAIR



*F. Carl Knopf*

**A** NEW CHEMICAL ENGINEERING building remains a high priority for our department. Planning money from the state of Louisiana has recently been allocated toward the project, and an architectural firm has been appointed to draw up the plans. Any support that alumni and other community members or organizations can provide concerning this project would be greatly appreciated. (Contact Carl Knopf, chair, at [knopf@che.lsu.edu](mailto:knopf@che.lsu.edu) for more information.) All parties agree that a new building is necessary for recruiting faculty to fill the five Cain Endowed Chairs and for maintaining a competitive reputa-

tion among chemical engineering departments across the country.

Progress continues in the undergraduate laboratory, and additional personnel have been brought in to continue the improvements already under way. We believe the improvements and modernizations in the undergraduate lab and throughout the department—along with prospective new hires and a new chemical engineering building—will ensure that our program, on both undergraduate and graduate levels, meets the needs of local industry and produces graduates of the highest caliber.

*F. Carl Knopf*

*Chair and Robert D. and Adele Anding  
Professor in Chemical Engineering*

## DEPARTMENT NEWS

**Armando B. Corripio**, Jay Affolter Endowed Professor, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change. Members are nominated by graduating seniors who felt they "had a positive impact on their LSU experience both inside and outside of the classroom."

**Douglas P. Harrison**, Alexis and Marguerite Voorhies Endowed Professor, presented two papers at the American Institute of Chemical Engineering (AIChE) National Convention in Los Angeles. In addition to his teaching and research duties, he hosted S.Y. Lin and Y. Suzuki from the National Institute for Resources and Environment of Japan for research discussions.

**Michael A. Henson**, James McLaurin Shivers Professor and associate professor, continues to serve as the associate editor for the *Journal of Process Control*, along with

serving on the review panel for the National Science Foundation's Small Business Initiative Program. At the 2000 American Institute of Chemical Engineering national convention, he was appointed director of computing and systems technology (CAST) division of AIChE and as programming chair for CAST Area 10b. In addition to copublishing four papers, Henson also cochaired symposia at two control conferences during the 2001 summer. During the 2001–2002 academic year, he will be conducting full-time research on the modeling, dynamics, and control of continuous biochemical reactors at the Institute of Biochemical Engineering and the Institute for Systems Theory in Engineering at the University of Stuttgart in Germany.

**Martin A. Hjørstø**, George H. Nusloch II Endowed Professor, served as a panel member for a public discussion forum at

the third annual European Symposium on Biochemical Engineering Science meeting in Copenhagen. This forum addressed the rapid growth of bioengineering fields and how to fit bioengineering into university curricula without sacrificing traditional chemical engineering courses.

**Ralph W. Pike Jr.**, Paul M. Horton Professor, hosted two researchers while serving as interim dean of the College of Engineering through July 2000. Pike and Professor Serafim D. Vlaev from the Bulgarian Academy of Sciences studied two-phase, non-Newtonian flow in stirred chemical reactors. Pike was assisted by Adam Nagy, from the University of Veszprem in Hungary, to research pollution prevention using an advanced process analysis system.

**Danny D. Reible**, Chevron Endowed Professor of Engineering and director of the Hazardous Substance Research Center/South



and Southwest, was named to the National Academy of Sciences's Committee on Remediation of Navy Contaminated Sites. He also completed a report titled the Remediation of PCB Contaminated Sediments, to be presented to Congress in early 2001. Reible was recently selected as the recipient of the American Institute of Chemical Engineering (AIChE) Lawrence K. Cecil Award in Environmental Engineering at the spring 2001 annual meeting held April 21–25 in Houston. This award is given to an AIChE member who has demonstrated outstanding contribution and achievement in the preservation or improvement of the environment.

## HSRC WINS NATO GRANT

The Hazardous Substance Research Center has received a grant from the North American Trade Organization's (NATO) Science Programme to organize a 10-day Advanced Study Institute in Prague, Czech Republic, May 24—June 2, 2001, on "Innovative Approaches to the On-Site Assessment and Remediation of Contaminated Sites."

The institute will allow the exchange of the latest information between NATO and Eastern European NATO cooperating nations on assessment and remediation of contaminated sites. Eastern European cooperating countries face enormous challenges in dealing with the environmental problems of demilitarization and reindustrialization.

The Advanced Study Institute is designed to train a cadre of young and mid-career professionals who will return to their home countries with sufficient understanding to apply appropriate technologies to the contaminated sites hindering demilitarization and reindustrialization.

## ALUMNUS LEAVES HIS LEGACY IN TEN PROFESSORSHIPS

**Roy Paul Daniels**, 1926 chemical engineering graduate, passed away in 2001. Prior to his death, Daniels established 10 charitable remainder trusts for professorships at LSU, four of which were designated for the College of Engineering. Daniels was a retired Gulf Oil Corporation employee and a resident of Port Arthur, Texas.

Reible received a plaque and \$2,500. He will also chair the NATO Advanced Study Institute on In-Situ Assessment and Remediation of Contaminated Sites.

**Arthur M. Sterling**, William G. Raymond Endowed Professor, has been recognized for 25 years of service to the LSU College of Engineering.

**Louis J. Thibodeaux**, Jesse Coates Professor of Engineering, served as conference chair and on the planning committee of the fifth annual Environmental State of the State (ESOS) Conference in November 2000. ESOS conferences are sponsored by

the Environmental Research Consortium of Louisiana Inc. as a method of increasing communication concerning environmental issues between the research community and the public.

**Kalliat T. Valsaraj**, Ike East Professor and adjunct professor, hosted Yuan QingZhong, a researcher from the Department of Chemical Engineering at the Shandong Institute of Light Industry in China. They examined the mechanisms of photocatalysis treatment of wastewater streams. Valsaraj was an invited speaker at the International Photochemical Sciences Symposium, held in Trivandrum, India.

## IN MEMORIAM

**1940**

**Francis Tenney Ratliff** passed away December 5, 1999. He lived in Rhinelander, Wisconsin.

**1949**

**Thomas A. Feazel** (M.S. 1951) passed away August 17, 1999. He was a resident of Memphis, Tennessee.

**1950**

**John H. McCarthy** passed away July 4, 2001. He was a resident of Baton Rouge

and native of Rayville. He retired from Ethyl Corp. with more than 40 years of service.

**Daniel W. Bond Jr.** passed away October 12, 2000. He lived in Austin, Texas.

**1966**

**Lawrence G. Focht** (M.S. 1969) passed away September 2, 1999. He resided in Akron, Ohio.

## PROFESSORSHIP HONOREE DIES



*Isaac "Ike" Young East*

One of the most distinguished alumni and supporters of the Gordon A. and Mary Cain Department of Chemical Engineering, **Isaac "Ike" Young East**, has passed away. A native of Zachary, Louisiana, East died on November 30, 2000, at his home in Spanish Fort, Alabama.

East received a bachelor's degree in chemical engineering from LSU in 1924 and a master's degree from Ohio State University. Upon graduation, he was hired by International Paper, where he worked until his retirement in 1965. He received an honorary degree from the University of Alabama and was an adjunct faculty member from 1964 to 1966.

In 1997, the Ike East Professorship was created by Mr. and Mrs. Robert Bujol, East's niece and nephew-in-law. East was an active supporter of LSU and a member of the LSU Foundation and the Alumni Association.

## EAST PROFESSORSHIP COFOUNDER PASSES AWAY

**Eugenie East Bujol**, wife of 1943 chemical engineering graduate Robert Bujol, passed away April 23, 2001. She and her husband established the Ike East Professorship in honor of Ike East, Mrs. Bujol's uncle, to reward his admirable leadership and his success at LSU.

## ALUMNI NEWS

1939



**John W. Barton Sr.** has been named Outstanding Philanthropist by the National Society of Fund-raising Executives. He was also recognized for his

lifetime support of LSU at the LSU Foundation's 41st annual meeting and banquet in November 2000. The LSU Foundation's President's Award for Lifetime Support recognizes the cumulative giving of individuals and organizations to all the main campus units of LSU and their support foundations, including Louisiana State University, LSU Agricultural Center, LSU Law Center, LSU Alumni Association, Tiger Athletic Foundation, and the LSU Foundation.

1943

**Robert J. Bujol** and his late wife, Eugenie (Nenie) East Bujol, have pledged to establish an alumni departmental professorship in human ecology. Nenie Bujol graduated from the School of Human Ecology in 1947. The Bujols previously endowed two professorships in the College of Engineering.

1949



**Emogene Pliner**, spouse of 1949 graduate Leon Pliner, has been awarded the LSU Foundation's President Award for Lifetime Support, which recognizes the cumulative giving of individuals and organizations to all the main campus units of LSU and their support foundations.

1962

**Nolan M. Rome** recently retired after 38 years in the oil and gas industry. He spent 18 years working for Chevron Oil Corporation in New Orleans and his last 20 years with Mobil in the Houston area. He and his wife, Peggy, reside in Kingwood, Texas.

1965



**Rene L. Latiolais** has been named to the LSU Alumni Association Hall of Distinction. This honor is presented to individuals who have distinguished themselves through service to the University and their communities.

## RECENT GRADUATES

2000

**Warren Berthelot** is employed at the Louisiana Transportation Research Center.  
**Nikisha Crump** is employed by the Louisiana Department of Transportation and Development.  
**Ronald Bill Desormeaux III** works with Labiche Engineering.  
**Travis A. Fox** is working for ABMB Engineers Inc.  
**Fernando Granda Jr.** is an employee at Chiang, Patel, & Yerby Inc.  
**Palma Bruce Hubbard Jr.** is working for ERM-SW.  
**Brad Jones** is an Enron employee.  
**Ned M. Juneau Jr.** works with W.S. Nelson Inc.  
**Anthony Kolniak** is employed by Ventura Foods.  
**Scott LaBell** is an employee for Alvin Fairburn & Assoc.  
**Jeffrey Lahr** is employed at Petronyx.  
**Jacquelyn Marie Martin** is working with STB Group Engineering.  
**Brian Owens** is employed by the Louisiana Department of Transportation and Development.

**Daniel Lee Rosenquist** is employed with HNTB Corporation.  
**Donald L. Seward** is a CF Industries employee.  
**Chad Stevens** works for Tatum Engineering.  
**Benjamin Peter Templet** is employed by the BASF Corporation.  
**Philip Thibodeaux** is an employee with Beta Engineering.  
**Raman Thiruvengkatachari** is employed at Intel.  
**Kirk M. Zeringue** is employed by the Louisiana Department of Transportation and Development.

2001

**Abdul A. Alhusaini** is employed with Saudi Aramco.  
**Wajdi Alsadat** is employed with Saudi Aramco.  
**Christian P. Aucoin** is working with Shell.  
**James Brian Calcote** is a Data Systems and Solutions employee.  
**Anna Champion** is employed by BP.  
**Maya Cormier** works for Dow Chemical.  
**Trae Dupre** is employed with Nalco.  
**Eric Steven Englehardt** is employed by Schlumberger.

**Kelley L. Green** is working for Williams Olefins.  
**Jason Landry** is employed with Honeywell.  
**Travis C. Lane** is employed with Honeywell.  
**Rebecca Lorenz** works with Dow Chemical.  
**Darren Marchal** is an employee with BASF.  
**Marjorie McBride** is employed by ExxonMobil.  
**Carloyn Melton** is a BP employee.  
**Kevin Miers** is working with International Paper.  
**Teresa Chaunte Nolan** is employed with the Shell Chemical Company.  
**Kathryn O' Rourke** is employed by Trane.  
**Shannon Frith Pusateri** is employed at ExxonMobil.  
**Jennifer Pusch** is an employee of Conoco.  
**Anthony Rotolo** is a BP employee.  
**Jeffrey W. Rushing** works for Pinnacle Engineering Inc.  
**Sara Saacks** is employed by BASF.  
**Natuan C. Silva** is an employee of Baker Hughes.  
**Katherine Zorzi** is employed with Chevron.

# CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENT

## FROM THE CHAIR



*George Z. Voyiadjis*

**T**HE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE) faces two major challenges at this juncture. The first and most challenge is to complete the Accreditation Board for Engineering and Technology (ABET) process, and second is to overcome budget constraints. The ABET process requires that we document our curriculum developments. The budget requires that we more actively seek to supplement University and traditional research grant income sources.

Our department undergoes a continuous process of reevaluation that leads to development and improvement of the undergraduate curriculum. At times, changes involve eliminating or combining courses as well as developing new

ones. We recognize that a significant number of students who enroll in our classes as freshmen do not graduate as engineers, which represents a loss of future problem-solvers for society. As we develop our curriculum we are cognizant of our mission of producing leaders of tomorrow who are adequately functional at their first job and can creatively apply thereafter their basic knowledge. An important aspect of the whole curriculum review effort is to make the use of information technology an integral part of the teaching and learning processes.

As the computer provides added capability in the hands of students, we should effectively exploit it in their learning process. The curriculum review process involves reexamining the tight compartments that have slowly grown within civil and environmental engineering as well as within other engineering branches. We carefully and continually assess what we want our graduates to know at the time of graduation and also at the end of each course.

The departmental advisory committee, consisting of stalwarts from government and industry (a number of them are LSU alumni), was asked to play an advisory role to the CEE department in evaluating and suggesting possible changes in the curricula. A second task for the advisers is to help formulate directions and organize sponsorship of various kinds for the department.

Based on faculty research interests, the following academic or research groups

exist in the CEE department:

- Environmental and Water Resources Engineering Systems
- Geotechnical and Geophysical Systems
- Structural Engineering and Infrastructure Systems, and Mechanics
- Material Modeling and Visualization
- Intelligent Transport Information Systems
- Geodesy and Geoinformatics

The objective of our research-oriented programs is to find effective solutions to the problems currently faced by the profession and to predict the issues that may challenge the profession in the future. In the process we will be training individuals who are equipped to effectively respond to such challenges. The CEE department's graduate programs are faced with the continuous challenge of securing adequate laboratory and space resources, computing facilities, and basic instrumentation to support the faculty's effort to pursue sponsored research funding.

The CEE faculty are making vigorous efforts to undertake collaborative research within the department, cutting across the specialization areas within the school, across different fields of engineering, across different departments on campus, and across universities. These efforts reflect the interdisciplinary nature of present-day research efforts and help attract sponsored research proposed by interdisciplinary research teams and partnerships.

*George Z. Voyiadjis  
Interim Chair, Boyd Professor and  
Bingham Cushman Stewart  
Distinguished Professor*



## RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU) PROGRAM

During summer 2001, the Department of Civil and Environmental Engineering conducted a Research Experience for Undergraduates (REU) program focused on research activities and training in the use of tomographic techniques in civil and environmental engineering. The program was funded by a grant from the National Science Foundation under the direction of Professors **Roger Seals** and **Clint Willson**.

The participants included **Kendrick Domingue**, **Jeffrey Falati**, **Keith Hoffman**, **Melanie Lestelle**, and **Keegan Roberts** of LSU and **Winston Jackson** of Southern University. Each student was guided by a mentor from the faculty and assisted by a graduate student. Participating faculty mentors included Professors **Khalid Alshibli**, **Dante**

**Fratta**, **William Moe**, **L. B. Wang**, and **Clint Willson**.

The student projects included the following:

"Characterization of Packing Medium for Use in a Gas-Phase Biofilter," by **Kendrick Domingue**

"The Use of Synchrotron X-ray Microtomography to Better Understand How Pore-Scale Characteristics Affect Continuum Properties," by **Jeff Falati**

"Aggregate and Mixture Evaluation Using Tomographic Techniques," by **Winston Jackson**

"Shear Band Properties in Sand Specimens using Computer Tomography," by **Keith Hoffman**

"Monitoring Effective Stress in Soils Using Mechanical Wave Tomography," by **Melanie Lestelle**

"Electromagnetic Tomography of Porous Media," by **Keegan Roberts**

The program included a strong training component to help students enhance their research, technical, interpersonal, communication, and professional skills. Training activities consisted of a series of seminars and workshops conducted by LSU faculty and staff members. Workshops were also conducted to assist participants to develop and/or enhance their skills in communications and the utilization of modern computational tools.

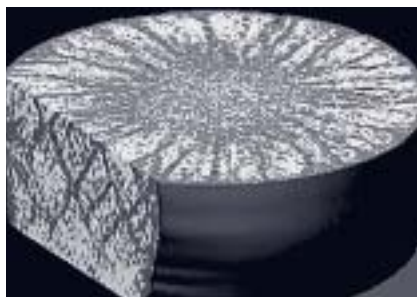
Information about the program and the projects can be found at [www.ce.lsu.edu/~reu](http://www.ce.lsu.edu/~reu).

## TESTING SOILS IN SPACE

**Khalid Alshibli**, assistant professor, is serving as the project scientist for a microgravity experiment titled "Mechanics of Granular Materials" (MGM), sponsored by NASA/Marshall Space Flight Center. The project includes conducting a series of triaxial experiments on silica sand under very low effective stresses aboard the NASA Space Shuttle. MGM is a collaborative effort with Professor Stein Sture of the University of Colorado at Boulder. The team had two successful missions in 1996 and 1998 and are planning for



*NASA Astronaut Jay Apt prepares MGM specimen for testing aboard the Space Shuttle during the STS-79 mission.*



*A cross section of a sand specimen analyzed using computed tomography.*

another mission in May 2002. MGM was selected by NASA Headquarters as one of its top three achievements in the microgravity program in 1999. You can learn more about MGM by visiting [bechtel.colorado.edu/~batiste/](http://bechtel.colorado.edu/~batiste/).

## ALUMNI NEWS

### 1971

**Al Pitre** has retired after 24 years with Marathon Oil Company. Pitre currently practices in a private consulting engineering firm.

### 1983

**Butch Babineaux** has been appointed vice president of Wilbur Smith Associates (WSA) in Houston. He has served as office manager and associate-in-charge of the firm. Babineaux has been responsible for managing major engineering and planning projects throughout the southwest region of the United States.

### 1994

**Grant C. Pecoraro** and his wife, **Nikki**, have a son, **Adam Scott**, born June 6, 2001. The family resides in Morgan City, Louisiana.

### 1997

**Cade Braud** has been named an associate with Urban Systems Inc. in New Orleans, Louisiana.

## DEPARTMENT NEWS

**W. David Constant**, professor, has received the Mike Berger Outstanding Faculty Adviser Award at the 2001 Waste Management Education Research Consortium Environmental Design Contest in New Mexico. The award is based in part on student letters of nomination from the contest design teams. Constant has participated in the contest for four years.

**Roy Dokka**, A. G. Gueymard Professor of Geology, and **Cliff Mugnier**, instructor, recently received \$150,000 (first payment) from the Corps of Engineers through the National Science Foundation for the establishment of a GPS Continuously Operating Reference Station network in south Louisiana. This is the first partial payment of an approximate \$800,000 that will be spent over two years, with continued funding thereafter at the same level.

**Dante Fratta**, assistant professor, and his wife, Julia, are the proud parents of a baby boy, Julian. Julian was born on August 28, 2001, and weighed 8 lbs., 9 oz.

**Marc Levitan**, Charles P. Siess Jr. Professor, associate professor, and director of the LSU Hurricane Center, gave a congressional briefing on June 13, 2001, on hurricane hazards and promising research areas. The event was in support of proposed legislation called the Hurricane, Tornado, and Other Natural Hazard Research Act. If approved, this bill will provide \$300 million in new funding for research and education on storm hazard mitigation over the next three years. Five Louisiana representatives have joined the Congressional Wind Hazard Reduction Caucus supporting the bill.

**Emir J. Macari**, associate professor, accepted the 2000 Program Award on behalf of the LSU chapter of the Sigma Xi Scientific Research Society. The award was presented at the society's annual meeting in November 2000 and honors the LSU chapter for establishing the Ellinor H. Behre Prize in Science Writing, which encourages and recognizes high quality writing in the sciences. Macari was also selected for the third class of Oregon State University's Aldo Leopold Leadership Fellows, a training and educational program to assist scientists who want to become more effective communicators of scientific

information. He has been appointed in the National Science Foundation as program director of the Division of Human Resource Development within the Directorate for Education and Human Resources.

**John B. Metcalf**, Freeport-McMoRan Corporation Chaired Professor of Engineering, has been appointed chairman of the National Academies Transportation Research Board Committee A2J02 on "Chemical and Mechanical Stabilization."

**Cliff Mugnier**, instructor, was interviewed on the topic of subsidence in south Louisiana and New Orleans. The state is more vulnerable to hurricanes because of subsidence.

**John Pardue**, Elizabeth Howell Stewart Endowed Professor, presented the keynote address at the Second International Conference on Wetlands and Remediation in Burlington, Vermont, on September 5, 2001. His talk was titled "Remediating Chlorinated Solvents in Wetlands: Natural Processes or an Active Approach?" The conference was sponsored by the Battelle Memorial Institute.

**John J. Sansalone**, assistant professor, has been named the Louisiana Land and Exploration Company Professor.

**Vijay P. Singh**, Arthur K. Barton Endowed Professor, has been elected president of the American Institute of Hydrology for a two-year term beginning in January. Singh is the first faculty member from the southeast to be elected president of the organization. He has been invited to serve as associate editor of *Water Engineering Research*, as a member of the editorial board of the *International Journal of Sediment Research*, and as a member of the editorial board of the *Journal of Environmental Fluid Mechanics*. He has also been selected to receive the 2001 Honor Alumnus of the Colorado State University College of Engineering Award. Singh recently had his ninth book published by Kluwer Academic Publishers of Boston. The book, titled *Snow and Glacier Hydrology*, was coauthored by P. Singh of the National Institute of Hydrology in India.

**Mehmet T. Tumay**, Georgia Gulf Corporation Endowed Distinguished Professor of Engineering and associate dean for

research, has been recognized for 25 years of service to LSU.

**George Z. Voyiadjis**, Boyd Professor, has been named the Bingham Cushman Stewart Distinguished Professor. He is currently serving as interim chairman of the Department of Civil and Environmental Engineering. His latest book, coauthored with Peter Kattan, is titled *Damage Mechanics with Finite Elements: Practical Applications with Computer Tools* (Springer-Verlag GmbH & Co.KG, ISBN: 3-540-42279-X, 2001, 200 pp.). He also published a section titled "Model of Inelastic Behavior Coupled to Damage" in the *Handbook of Materials Behavior Models* (edited by J. Lemaitre, Academic Press: New York, 2001, pp. 814–20). Voyiadjis co-organized six sessions of the Symposium on "Multi-Scale Modeling of Materials," held in the 2001 Mechanics and Materials Summer Conference, University of California, San Diego, in June 2001. This conference is jointly represented by ASME Materials Division (MD) and the Applied Mechanics Division (AMD), ASCE's Engineering Mechanics Division and the Society of Engineering Sciences (SES).

**Brian Wolshon**, assistant professor, and his wife, Kelly, are the proud parents of a baby boy, Tyler Nicholas. Tyler was born on January 22, 2001, and weighed 8 lbs., 10 oz. Wolshon has received the Excellence in Teaching Award from the Southern District of Chi Epsilon for 2000–2001. He has also chaired the seminars on "Transportation Issues Stemming from Evacuations Due to Hurricanes Floyd and Georges" at the 2001 ASCE National Conference and Exposition, October 2001, in Houston, Texas; and the "Hurricane Evacuation Issues: Focus on New Orleans" at the International Conference on Emergency Management, August 2001, in Orlando, Florida. Wolshon is the founder and chair of the Transportation Research Board (TRB) Subcommittee on Emergency Evacuation.

The October issue of *Scientific American* has a 10-page feature article on "Drowning New Orleans," about the risks and potential consequences of a major hurricane strike on the city. The article includes quotes from **Joe Suhayda**, **Cliff Mugnier**, and **Ivor Van Heerden**, and also mentions **Vibhas Aravamathan**.

## HURRICANE CENTER OFFERS NEW MINOR

**T**HE LSU HURRICANE CENTER and the College of Arts and Sciences are teaming up to offer a new undergraduate minor to students interested in natural disaster, environmental hazards, and emergency planning.

Beginning in fall 2001, students may begin taking the first of 19 hours toward the minor in disaster science and management.

At the request of the Louisiana Office of Emergency Preparedness and the Federal Emergency Management Agency, faculty members from various disciplines developed the minor with the LSU Hurricane Center.

Courses are taught by Associate Professor of Civil Engineering and Director of the LSU Hurricane Center Marc Levitan; Associate Professor of Civil Engineering and

Deputy Director of the LSU Hurricane Center Ivor van Heerden; in addition to environmental experts in related fields.

John Pine, professor of environmental studies, stated this is the only minor of its kind in the nation. It is unique because of its interdisciplinary nature and focus on disasters, as well as management and mitigation techniques.

"As global populations grow and more people move to coastal and other vulnerable parts of the world, disasters are increasing," Levitan said. "There is a need for people with expertise in this area to help plan and develop sustainable communities, including how those communities should prepare for and respond to disasters."

Levitan believes the threat of hurricanes and chemical spills puts Louisiana at greater

risk. However, LSU is well-equipped to educate students through maximum efforts using an interdisciplinary approach.

A minor in disaster science and management could lead to career opportunities in local, state, and federal government, private industry, the nonprofit sector, emergency planning departments, federal and law enforcement agencies, and military service. The new minor also fulfills both the educational and training components of the state's Certified Emergency Manager designation, which is the recognized credential in the field.

The disaster science and management minor is available to students of all majors, pending approval from the deans of their colleges. For more information, visit the LSU website, [www.lsu.edu](http://www.lsu.edu).

## RECENT GRADUATES

## 2000

**Warren Berthelot** is employed at the Louisiana Transportation Research Center.  
**John Bossier Jr.** is employed by Basic Industries.

**Bryan Brown** is an employee of Henry Eyre Consulting Eng.

**Lionel Colbert** works for Unurl America.

**Frank Cook** is an employee for Associated Technologies and Manufacturing.

**Jeffery Keith Corkern** works with Pathfinder Energy Services.

**Nikisha Crump** is employed at the Louisiana Department of Transportation and Development.

**Brock Descant** is an Elderwood Trenting Plant employee.

**Ronald Bill Desormeaux III** works at Labiche Engineering.

**John S. Foreman III** is a Dow Chemical Company employee.

**Travis A. Fox** works with ABMB Engineering Inc.

**Kurt Goodwin** is an ExxonMobil employee.

**Fernando Granda Jr.** works for Chiang, Patel, & Yerey Inc.

**Chris Harrell** is an employee of International Paper.

**Ned M. Juneau Jr.** is employed with W.S. Nelson Inc.

**Jeffrey Lahr** is an employee for Petronyx.

**Brian Luckham** is working with Detroit Diesel Corp.

**Scott Lobell** is an Alvin Fairburn & Assoc. employee.

**Kirk Lowery** is employed at Environmental Management Services.

**Jacquelyn Marie Martin** is employed with SJB Group Engineering.

**Daniel McFatter** is an employee at Motorola.

**Rusty McLellan** is employed by Vulcan Chemicals.

**Jeffrey Mcmenis** works with VRS Corporation.

**Jared McSpadden** is an employee with Reliant Energy.

**Sparkle Noble** is working for Montgomery Watson.

**Brian Owens** is employed at the Department of Transportation and Development.

**Jennifer Piazza** is employed with Reliant Energy.

**Winndell B. Powell** is a Weatherford employee.

**Eugene E. Rayneri** is an employee for Orion Refining.

**Randall S. Reed** works at BP Amoco.

**Daniel Lee Rosenquist** is an employee for HNTB Corporation.

**Chad Stevens** is working for Tatum Engineering.

**Philip Thibodeaux** is employed at Beta Engineering.

**Joseph E. Tompley** is an Entergy Corporation employee.

**Don Vekic** works with Delta Chemical Services.

**Rodney Waguespack** is employed with Siemens Westinghouse.

**Kris Zaubrecher** is working with Devon Energy.

**Kirk M. Zeringue** is employed by the Louisiana Department of Transportation and Development.

## 2001

**Sergio Aviles** is employed by the Louisiana Department of Transportation and Development.

**Allison Boucvalt** is a Meyer Engineering employee.

**Jay A. Cunningham** is an employee for Justice and Huang Engineers Inc.

**Nicole Donaldson** is employed by the Louisiana Department of Transportation and Development.

**Shannon Duvic** works with B & G Crane Service.

**Aaron Elisar** is employed by the Louisiana Department of Transportation and Development.

**Hassib Galib** works for F&R Construction.

**Tacie Goetting** is employed by the Louisiana Department of Transportation and Development.

**Damion Lampley** is employed at Jordan, Jones, and Goulding.

**Chris Normand** is working with Entergy Corporation.

**Randy Odinet** is employed by Pate Engineers.

**Mark Andrew Ordogne** is employed at Louisiana Department of Transportation and Development.

**Heath Williams** is an employee at Soils & Foundation Engineering.

## IN MEMORIAM

## 1949

**Ned E. Simes** passed away August 22, 2000. He resided in Stonewall, Texas.



## WELCOME TO LSU



**Khalid A. Alshibili** is a joint assistant professor with LSU and Southern University. He received his Ph.D. from the University of Colorado at

Boulder in 1995, and in 2000 he received the NASA/Marshall Space Flight Center Group Achievement Award. His areas of specialization include geotechnical and geophysical systems and material modeling and visualization.



**Steve C. S. Cai, PE**, assistant professor, received his Ph.D. in 1993 from the University of Maryland. His areas of specialization are structural engineering/mechanics.



**Dante Fratta**, assistant professor, received his Ph.D. in 1999 from Georgia Institute of Technology. His areas of specialization include geotechnical and geophysical systems and material modeling and visualization.



**Sherif Ishak**, assistant professor, received his Ph.D. in 1998 from the University of Central Florida. His areas of specialization are intelligent transport information systems.

**Enrique Matheu**, assistant professor—research, received his Ph.D. in 1997 from Virginia Polytechnic Institute and State University. His areas of specialization include structural engineering/mechanics.

**Suresh Moorthy**, assistant professor, received his Ph.D. in 1997 from Ohio State University. His areas of specialization are material modeling and visualization.



**Clifford Mugnier**, instructor, received his B.A. in 1967 from Northwestern State University. His areas of specialization include intelligent transport information systems.



**Ivor L. Van Heerden**, associate professor—research and deputy director of the LSU Hurricane Center, received his Ph.D. in 1983 from LSU. His areas of specialization are environmental and water resources engineering systems. Van Heerden has also been elected to the board of directors of the Louisiana Wildlife Federation.



**Linbing Wang, PE**, assistant professor, received his Ph.D. in 1998 from Georgia Institute of Technology. His areas of specialization include intelligent transport information systems and material modeling and visualization.

## STUDENT AWARDS

**Erin Krielow, Aimee Blazier, Kurt Brodtmann, Nicole Donaldson, Jonathan Kolich, Ami Richardson, Christopher Dean, Kim Howerter, Joseph Stephens, and Jake Causey**, all civil and environmental engineering undergraduates, competed for more than \$55,000 in prizes in the 11th Annual International Environmental Design Contest.

The competition, held April 9–12, 2001, at New Mexico State University, included more than 400 students representing 22 universities throughout the United States, Mexico, and India. Teams vied to provide solutions to environmental problems submitted by private industry and government agencies. The students gave oral presentations and displayed bench-scale demonstrations of the solutions, which were judged by more than 100 representatives of academia, government, and industry.

**David Constant**, civil and environmental engineering professor, served as the faculty adviser. The contest was sponsored by Waste Management Education Research Consortium: A Consortium for Environmental Education and Technology Development.

**Akram Alshawabkeh**, 1994 civil and environmental engineering doctoral graduate, has been awarded the **National Science Foundation's Faculty Early Career Development or CAREER Award** for 2001. Alshawabkeh teaches at Northeastern University as an assistant professor. Previously, **Pradeep Kurup**, civil and environmental engineering doctoral graduate and former research associate, was awarded the NSF CAREER Award in 1999. Kurup is an assistant professor at the University of Massachusetts–Lowell. Both Alshawabkeh and Kurup were participants of the geotechnical program under **Mehmet Tumay**, civil and environmental engineering.

# CONSTRUCTION MANAGEMENT DEPARTMENT

## FROM THE CHAIR



George M. Hammitt II

**E**NROLLMENT in the Department of Construction Management (CM) continues to grow. We have more than 400 students enrolled for the fall

2001 semester, and the number of faculty, including adjuncts, has climbed to 19 plus staff. We are teaching 55 courses, including CM 1030 (Engineering Graphics), formerly IE 1001, which is a requirement for most students within the College of Engineering.

Our faculty have been active in publications, regional and national lecturing presentations, and in committee participation in the academic, construction industry, and public sectors, including educational outreaches to elementary and high schools. CM at LSU is an

approved testing location for the Associate Constructor and Certified Professional Constructor National Certification Examination. The formalization and membership drive for the Construction Industry Advisory Council at LSU is in full swing thanks to an aggressive and efficient executive committee chaired by Art Farve of Performance Contractors Inc.

Again this year, 100 percent of our graduating seniors received job offers prior to their graduation.

George M. Hammitt II  
Chair

## DEPARTMENT NEWS

**Burl Dishongh Jr.**, associate professor, has published his most recent textbook, *Essential Structural Technology for Construction and Architecture* (Prentice Hall, August 2000). The publisher reported sales of more than 500 copies in the first six months of release. Using a practical approach in the book, Dishongh presents the fundamentals of the entire field of structural engineering needed by practicing constructors and architects. He covers statics, structural analysis, strength of materials, soil mechanics, foundation, and design of timber, steel, and concrete buildings and bridges. The textbook earned Dis-

hongh the Dean's Book Award, which carries a cash prize of \$1,000.

**James H. Gill**, Contractors' Educational Trust Fund Chair and professional-in-residence, was elected to the board of trustees of the American Council of Construction Education at its recent mid-year meeting in Nashville, Tennessee. The board of trustees is composed of educators, industry representatives, and members of the public. The American Council of Construction Education is recognized by the national Council for Higher Education Accreditation as the accrediting agency for

four-year baccalaureate degree programs in construction, construction science, construction management, and construction technology, and as the accrediting agency for similar two-year associate programs.

**Emerald M. Roider**, instructor, has received the Tiger Athletic Foundation Undergraduate Teaching Award for demonstrating outstanding teaching. Roider and her husband, Chris, are also celebrating the birth of their daughter, Elizabeth Sian.



## CM SELECTS HALL OF FAME DISTINGUISHED PATRONS



Chairman George Hammitt with Don McCollister, left, and Edward L. Rispone, right

The Construction Management Hall of Fame selected its 2001 Distinguished Patrons. The recipients are Edward L. Rispone, Industrial Specialty Contractors Inc., and Don McCollister, Turner Investments Inc.

## LEMLEY SPEAKS AT LECTURE SERIES



**Jack K. Lemley**, chairman and CEO of American Ecology Corporation, was the honored lecturer at the Contractors Educational Trust Fund Lecture Series on October 30, 2001. Lemley's talk, titled "The Channel Tunnel and Others: Facing the Challenges of Mega Projects," focused on some of the world's largest construction projects for which he had direct

responsibility. He has more than 35 years of experience in a wide cross-section of both domestic and international work consisting of tunneling and subsurface space, infrastructure, and other heavy civil construction, as well as mining, power generation, industrial, and other major building areas. The lecture series was attended by many students, faculty, and professional contractors from the community.



Jack Lemley (middle) receives an honorary plaque from (starting left) Professor Jimmy Gill, Chairman George Hammitt, Dean Pius Egbelu, and Executive Vice Chancellor and Provost Dan Fogel.

## CONSTRUCTION MANAGEMENT DEPARTMENT ROCKING AHEAD

**C**onstruction management, the newest department in the College of Engineering, has taken off like a rocket.

Transferred from the General College to the College of Engineering in 1997, it had 80 students enrolled in its first year. In just four years, that number has jumped to 400 and now ranks second in enrollment by major among the eight departments in the college.

"Much of this growth is due to the fact that every graduate of construction management is hired almost immediately," said George Hammitt, department chairman.

"The construction industry has been most supportive of the department in every way. They help in developing our curriculum; they hire our graduates; they support us financially," Hammitt said.

"Already one \$1-million chair has been created by the Contractors Educational Trust Fund and four \$100,000 professorships have been created by local contractors: Buquet & Leblanc, Performance Contractors Inc., Cajun Constructors, and Contractors Educational Trust Fund," Hammitt said.

Lane Grigsby, chairman of Cajun Constructors, has served as chairman of the Construction Industry Advisory Council (CIAC) for the past year and is succeeded as chairman by Art Favre, owner of Performance Contractors, for the coming year. Under Grigsby's direction, the CIAC has grown in membership to 60 representatives, with the expectation of doubling membership in the coming year.

During August the CIAC held two day-long seminars during which several goals were established for the new department. Within the next five years, the department hopes to establish:

- 2 \$1 million professorships
- 1 \$300,000 professorship
- 2 \$200,000 professorships
- 10 \$100,000 professorships
- 2 \$ 50,000 scholarship funds
- 20 \$ 30,000 scholarship funds

"The intention of the CIAC is to develop an annual revenue stream of \$300,000 for the department. Already we have one \$1 million chair and four \$100,000 professorships. We'll meet our goals. We're one of the largest and best construction management departments in the Southeast and our goal is to be one of the best in the nation in five years," Grigsby said.



# ALUMNI NEWS

## 2000

**William M. Andrews** is employed at Performance Contractors.

**Charles Robert Benard** works with Benard Mechanical.

**Elliot Carlos Berrios** is an employee of Moody Price Inc.

**David Bitting** is working at Archer Western Contractors.

**Brad Bonnacaze** is employed at The Shaw Group Inc.

**Wesley Braud** works for Reliant Energy.

**Monty Bueche** is employed at Industrial Specialty Contractors.

**Adam Dupuy** is working at Cleggis Nuvsony.

**Frank C. Etier Jr.** is an employee of Archer Western Contractors.

**Derek James Fife** works with Archer Western Contractors.

**Jason John Gendusa** is a John Gendusa Bakery employee.

**Wendell C. Harrison** is working at HBE Corp.

**Johnny Kenneth Kendrick Jr.** is employed at Bechtel Construction.

**Louis Barrett Landry** is working for the United Parcel Service.

**Andrew Lopez** is employed at Cajun Constructors Inc.

**Chris Michel** works for Carl E. Woodward.

**Timothy Neyland** is employee of Zachary Fitness Center.

**Chris Patin** is employed by Formosa.

**David Roberts** works with Performance Contractors.

**Josh Rounds** is employed at Performance Contractors.

**Ronald Raymond Russo Jr.** works for Gibbs.

**Troy Spencer** is working at Archer Western Contractors.

**Wendon Steady** is a Beers Construction Atlanta, Georgia, employee.

**Wardell Sykes** is employed at Archer Western Contractors..

## 2001

**Brandon Baugh** is employed with Merit Electrical.

**John A. Boniel** works for MAPP Construction.

**Victor J. Brubaker** works with Ellis Construction.

**Seth Gaubert** is working for C. R. Pittman.

**Steven Goff** is employed by Lowe's Home Improvement.

**Renee Irving** is working at Bechtel Engineering.

**Andrew Landry** is employed at Performance Contractors.

**Cody Leader** works for The Shaw Group Inc.

**Corey Paul Lively** works for The Shaw Group Inc.

**Stuart Maginnis** is employed by Gibbs.

**John E. Manion IV** is a McDonnol Group employee.

**Don Elliot McCarrol** is working for Halliburton.

**Michael Poynter Middleton** is an employee at Gibbs.

**Chris Nye** is working for Coreslab Structures.

**Matthew Edward Peace** is a Robins & Morton employee.

**Warren Joseph Porta III** is employed by MAPP Construction.

**Damion Pourciau** works with MAPP Construction.

**Paul D. Ramago** is working at Austin Industrial.

**Jonathon Trumps** is employed at Capitol Steel.

**Keith Waguespak** works for Cajun Construction Inc.

**Jason William** is a Shaw Group Inc. employee.

**William R. Woodard** is employed at HBE Corporation.

# WELCOME TO LSU

**William J. Gautreau**, part-time adjunct instructor, received his M.B.A. in 1996 from LSU. He will teach one section of CM 3131—Quantity Surveying, Estimating, and Bidding II.

**Jude W. P. Patin**, professional-in-residence, earned his master's degree from Arizona State University in 1971. He will teach courses in Materials, Methods, and Equipment II; and Planning and Cost Analysis in Residential Construction.

**Patrick D. Raymond**, part-time adjunct instructor, received his M.B.A. from the University of Houston in 1995. He will teach one section of CM 3131—Quantity Surveying, Estimating, and Bidding II.

**Randal D. Rebowe**, part-time adjunct instructor, earned his bachelor's degree in 1979 from LSU in construction. He is a representative of Turner Industries with 23 years of extensive experience in the construction industry.

## CM HOLDS ANNUAL GOLF TOURNAMENT

Construction management alumni and the Advisory Council hosted their annual pro/am golf classic on September 14, 2001, at Briarwood Country Club. Support of numerous alumni and local businesses contributed to the overall success of the tournament. Participants sharpened their golf skills and were awarded several door prizes, including gift certificates, golf clubs, and other sporting goods.

# ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT

## FROM THE CHAIR



*Alan H. Marshak*

**T**HE DEPARTMENT of Electrical and Computer Engineering (ECE) continues to grow and excel in both our undergraduate and graduate degree programs. We have 27 faculty working in eight areas of electrical and computer engineering. Enrollment in ECE represents about 25 percent of the total enrollment in the College of Engineering. Details regarding faculty and research can be found at [www.ee.lsu.edu](http://www.ee.lsu.edu).

This past year has seen much activity. A new laboratory was developed that will be used by undergraduate students working on course projects and by the

student branch of the Institute for Electronics and Electrical Engineering (IEEE). The LSU Graduate Council approved a new graduate concentration in information technology.

The department is well positioned to meet the challenges of the 21st century. We are planning to strengthen our programs in the areas of information technology, communications, and microelectronics, which will help prepare our students to take leadership roles in these exciting industries.

*Alan H. Marshak  
Chair and F. Hugh Coughlin/CLECO  
Professor of Electrical Engineering*

## PROFESSORS GARNER PATENTS FOR LSU

**Pratul K. Ajmera**, McDermott International Inc. Endowed Professor, and **Xiaodong Wang** are listed as inventors for the patent titled "Laterally Movable Gate Field Effect Transistors for Microsensors and Microactuators." The U.S. Patent and Trademark Office has issued the patent to LSU, which has been procured through the efforts of the LSU Office of Intellectual Property.

**Martin Feldman**, professor, and **Jeong-Bong Lee**, Elaine T. Delaune and Donald Cecil Delaune Endowed Professor and assistant professor, have earned a patent for the technique they developed for etching microscopic shapes into hard surfaces. Working at the Center for Advanced Microstructures and Devices (CAMD), they hope to find a way to control the shapes

etched into Teflon surfaces. Past techniques do not produce as precise patterns and are hard to control. With their technique, they hope to write a computer program to increase accuracy and control with the etching. The patent is titled "Three-Dimensional Microstructures and Methods for Making Three-Dimensional Microstructures."



## DEPARTMENT NEWS

**Gil S. Lee**, associate professor, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change. Members are nominated by graduating seniors who felt the professor "had a positive impact on their LSU experience both inside and outside of the classroom."

**Jeong-Bong "JB" Lee**, Elaine T. Delaune and Donald Cecil Delaune Endowed Professor and assistant professor, has been awarded a five-year \$374,999 grant from the National Science Foundation's Faculty Early Career Program for investigating "Massive Replication of Radio Frequency/Microwave Micro Electro Mechanical Systems Passive Modules." The grant supported junior faculty in their overall career developments. Lee's research focuses on the development of new fabrication techniques to integrate high-quality MEMS-based RF/Microwave components on circuit-containing chips.

## IN MEMORIAM

**1947**

**Harold F. Kraus** passed away March 24, 2000. He resided in Jefferson, Louisiana.

**1960**

**Alfred LeBlanc Jr.** passed away December 26, 2000. He resided in Port Allen, Louisiana.

## WELCOME TO LSU

**Kang-Zhi Liu**, associate professor, received his Ph.D. in 1975 from Chiba University in Japan. His areas of specialization are robust control and nonlinear control theory and application.

**Ernest Mendrela**, professor, received his Ph.D. in 1975 from Technical University of Wroclaw and his D.Sc.EE. in 1984 from Technical University of Lodz. His areas of specialization include brushless dc machines, switched reluctance motors, electromagnetic suspension systems, and magnetic separators for volatile dust.

**Hsiao-Chun Wu**, assistant professor, received his Ph.D. in 1999 from the University of Florida. His areas of specialization are statistical learning on optimization, estimation and detection applications, embedded algorithms for digital signal processing, speech and image processing, and wireless communications.

## ALUMNI NEWS

**1949**

**Claude L. Fussell** has pledged to establish the Kathryn Norwood & Claude L. Fussell Alumni Professorship in the School of Human Ecology in memory of his wife, Kathryn Norwood Fussell, who passed away May 26, 2000. Fussell is a native of Franklinton, Louisiana, and retired from Exxon Chemical after completing a 37-year career.

**Richard A. Landry Jr.** is currently serving his third two-year term in the Texas Silver-Haired Legislature, which provides senior citizens an opportunity to become directly involved in the legislative process.

**1962**

**Lloyd Williams** has been promoted to manager of commercial and industrial accounts for Entergy Louisiana. Williams is entering his 35th year with Entergy.

**1984**

**Ravi K. Arimilli** has been appointed as an IBM fellow, the company's highest

technical honor. Arimilli is IBM's leading expert on symmetric multiprocessing system structures, cache/memory hierarchies, and system bus protocols.

**1987**



**N. Stephan Kinsella** (M.S. 1990, J.D. 1991) has joined Applied Optoelectronics Inc. (AOI), as general counsel and vice president of intellectual property. Before joining

AOI in October 2000, Kinsella was a partner in the intellectual property department of Duane Morris & Heckscher LLP and founded the firm's Houston office in 1997. AOI designs and manufactures advanced semiconductor optoelectronic devices for emerging applications in the fields of biomedical sensing, telecommunications and data communications, and remote chemical detection. Kinsella will oversee legal affairs for the Sugarland, Texas, based company and will focus on intellectual property matters.



## RECENT GRADUATES

### 2000

**Carlos Aguilar** is employed by the Center for Advanced Microstructures and Devices.  
**Matt Averett** is an employee of Alabama Power Company.  
**Marcus L. Avery** works for Halliburton.  
**W. Wesley Barr IV** is a Motorola employee.  
**Ryan Bercegeay** is employed by Entergy.  
**Cecilia M. Campos** is working for Ericsson.  
**Brian Carriere** is employed by Entergy.  
**Adam Paul Chaney** is working for Ericsson.  
**Chan Chee-Kean** is an employee at MS.  
**Paul DeRouen** is working at Dallas Semiconductor.  
**Heather Douglas** is employed at AuE in Jackson.  
**Tessa Engler** is employed by Entergy.  
**Natasha Frank** is working for Ingalls Shipbuilding.  
**Eric Griffin** is an Anderson Consulting employee.  
**Jordan Legendre** works for Advanced Microelectronics.  
**Brian T. Linxwiler** is employed by LeDoux Control Systems.  
**Joseph W. Mandy Jr.** works for Advanced Microelectronics.  
**Michael T. McDaniel** is employed in the U.S. Airforce.  
**William J. Pogue** is employed in the U.S. Airforce.  
**Peter Richardel** is employed at Triconex Systems Inc.  
**Jared Shaw** is employed by Entergy.  
**Tash Solangi** is employed at the Naval Oceanographic Office.  
**Sheena Soni** is a Motorola employee.  
**Jason Spottswood** works for the Compaq Computer Corporation.  
**Brandon Turner** is employed by the Department of Defense.  
**Gary Wilson** is an employee of ExxonMobil.  
**Prashant Upreti** is employed at Texas Instruments.

### 2001

**Ted Adams** is employed by SLEMCO.  
**Chamila Ariyachandra** is working for Dallas Semiconductor.  
**Daniel Ball** works at Advanced Microelectronics.  
**Jessica Bellard** is a Motorola employee.  
**Jeffrey A. Bienvenu** works for Microsoft Systems.  
**Tod Blackman** works for Halliburton.  
**Joseph W. Broughton** is an employee Burgess Engineering.  
**Jeremy S. Burke** works at Entergy.  
**Craig M. Cancienne Jr.** is employed by Advanced Micro Devices.  
**Tony Lee Corley Jr.** works at Entergy.  
**Brandon Gautreau** is an employee of Cleco Corporation.  
**Sloan Thomas Gonzales** is employed by the Department of Defense.  
**Darren Gray** works for Power and Control Systems Inc.  
**Jesse L. Gronowski** is Dallas Semiconductor employee.  
**Adam Joiner** is employed at Honeywell.  
**Stephen Scott Lachney** is employed at Honeywell.  
**Casey M. Lajaunie** works for Reliant Energy.  
**Raymond Langhois** is employed by Diversified Technology Inc.  
**Ben Leblanc** is an employee at TEST Engineering.  
**Scott Lemoine** works for Lockheed Martin-Aeronautics.  
**David MacDonald** works at Elektrobitec Inc.  
**Jonathan S. Maure** is employed by Dynegy Inc.  
**Wai-Leong Mook** is working with Micron Tech Inc.  
**Brandon Newell** is employed by the United States Marine Corps.  
**Harold North** works for Reliant Energy.  
**Christopher Obafunwa Jr.** is an employee at ASIC Inc.  
**Rebecca Plauche** is employed by Lockheed Martin.  
**John Mathew Proctor** works for Power & Control Systems Inc.  
**Jason Salsiccia** is employed at MCI Worldcom.  
**Stephen A. Schamber** works with Axonn Wireless.  
**Jesse Smithey** is employed by Lockheed Martin.  
**Tim Sullivan** is a Reliant Energy employee.  
**Chris Thibodeaux** works for the Cleco Corporation.  
**Roger George Williams** is employed at Advanced Microelectronics.  
**Dawit Yemane** works for the Center for Advanced Microstructures and Devices.

# INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING DEPARTMENT

## FROM THE CHAIR



*Thomas G. Ray*

**T**HE DEPARTMENT of Industrial & Manufacturing Systems Engineering (IMSE) is working to strengthen its offerings in the area of information technology. One new faculty position has been committed to the department in this area.

Efforts on the part of two faculty (**Gerald Knapp** and **Michael Kuhl**) have resulted in resources being provided from the Student Technology Fee Program to purchase 25 new computers for our primary departmental computing laboratory. The department has also allocated funds from the equipment

budget to replace the furniture for this area. Further, the Biomechanics Laboratory has benefitted from the procurement of \$104,000 in new equipment as a result of a grant proposal written by **Sherif Waly** and **Fereydoun Aghazadeh**.

The transition from the old Engineering Shops to the Engineering Annex has been accomplished under the direction of **Magd Zohdi**.

We feel that all of these activities have resulted in providing improved facilities and resources which in turn enhance the educational experience of our students.

*Thomas G. Ray  
Interim Chair*

## RAY NAMED INTERIM CHAIRMAN

**Thomas G. Ray**, associate professor, was appointed interim chairman of the Department of Industrial & Manufacturing Systems Engineering. He replaced Chairman **Dennis Webster** on July 15, 2001.

Ray received his Ph.D. from Virginia Polytechnic Institute and State University in 1971 and conducted his doctoral research in the area of engineering economics with application to systems of interacting components. His background includes experience in large-scale systems analysis, management training, and corporate management, having served as CEO of a manufacturing corporation for five years.

Ray's research experience at LSU has included funded projects in a variety of areas from geopressured-geothermal

energy research to logistics of revetment operations, and from police systems analysis to database investigations to determine overlap. His areas of specialization include engineering economy, operations research, computer simulation, quality control, and management information systems. His current interests include problems in large-scale systems, quality systems, and economic analysis.

A national search is currently under way to secure a department chair with an active interest in promoting industry-university relations. The successful candidate will also have a strong ongoing program of research, with a demonstrated ability to bring diverse groups together to attain departmental objectives.

## ALUMNI NEWS

### 1994

**John Ragsdale** and his wife, **Staci Rogillio Ragsdale**, B.S. CEE 1994, are celebrating the birth of their first son, **Holt Wilson**. Ragsdale is currently the vice president for information systems of MCIC Vermont Inc., a private malpractice insurance company. The family resides in Marietta, Georgia.

### 1997

**Mary Palacios Braud** is a service engineer with Federal Express in Metairie, Louisiana.



## PROFESSOR ADVISES NASA



Bhaba Sarker

Space shuttle Discovery lifts off into space  
(photo courtesy of NASA)

**Bhaba Sarker**, professor, recently worked with NASA Marshall Space Flight Center and Kennedy Space Center on an ASEE Summer Faculty Fellowship, where he conducted exploratory research to manage a program called the Space Launch Initiative (SLI). The SLI is aimed at developing key technologies that will support the development of second-generation reusable launch vehicles (RLV), a safer and more economical alternative to the existing space-shuttle system. Funding of technological initiatives are based on the vehicle's likelihood to provide lower cost, safety, and reliability improvements.

Sarker's research on a Second Generation Reusable Launch Vehicle (2GRLV) is currently in the experimental stage. The 2GRLV, which will be of more commercial and scientific importance with international collaboration, is expected to be commissioned by 2010. With this mission in mind, Sarker's research problem dealt with finding the historical data of the existing shuttle program and developing the procedures and mechanisms to conceptualize and develop new tools for design and testing.

Sarker gave a seminar titled "Roadmap for Research and Exploration for Second Generation Reusable Launch Vehicles (RLV)" at the NASA Marshall Space Flight Center. He also participated in two NASA-sponsored courses on systems engineering, and industrial safety practices at NASA that facilitated his understanding of the NASA-related problems. In addition, he also attended a NASA-sponsored a workshop on 2GRLV held exclusively for its contractors and the aerospace industry at Space Park in Huntsville, Alabama.

Sarker is funded through NASA's SLI Costs and Economic Analysis Research Group. His work is directed at improving the project management schemes for the spaceport system. NASA is currently considering a number of research problems identified through this study for further investigation and funding.

## DEPARTMENT NEWS

**Michael Kuhl**, assistant professor, has received the Tiger Athletic Foundation Undergraduate Teaching Award for demonstrating outstanding teaching.

**T. Warren Liao**, associate professor, has received a 2001 Army Research Laboratory (ARL) Postdoctoral Fellowship administered by the American Society for Engineering Education. He will join ARL to conduct joint research for one year starting August 15, 2001. The research topic is using soft computing techniques for course-of-action planning and evaluation.

**Lawrence Mann Jr.**, Edward McLaughlin Professor of Engineering, completed a six-year term on the State Board for the Registration of Professional Engineers and Land Surveyors. He has also been appointed to the Capital Area United Way Committee on Empowering Communities & Individuals. This committee works with selected agencies to assist them with their missions to increase efficiency. Mann has completed his 42nd year teaching at LSU.

**Bhaba Sarker**, professor, has been appointed to serve as the area editor (manufacturing systems and logistics) for the *Journal of Applied Mathematics and Decision Sciences*, associate editor for the *Asia-Pacific Journal of Operational Research* and *Journal of Manufacturing Systems*, department editor (manufacturing systems modeling and design) for *IIE Transactions*, and member of the editorial board of *International Journal of Production Research*. He is currently serving as an associate editor for three other journals: *Journal of Manufacturing Systems*, *International Journal of Production Economics*, and *Production Planning and Control*.



## RECENT GRADUATES

### 2000

**Mark Blair** is employed by Georgia Pacific Corp.  
**Rodolfo A. Bournigal** is working with Boeing Company.  
**Judith Chedville** is an employee of Schlumberger.  
**Ajit Deshpande** is employed at Kivera Inc.  
**Karan Dhawal** is an employee of Chevron.  
**Amit Jain** is working for Erdas Inc.  
**Brad McKenzie** is employed at Schlumberger.  
**Henry R. Wallis** works at Halliburton.  
**Stephen Williams** is a Pathfinder Energy Services employee.

### 2001

**Plinio J. Gonzalez** is an employee of Baker Atlas.  
**Summer Johnson** works for Schlumberger.  
**Satish S. Krishnamoorthy** works with Kyocera Wireless Co.  
**Eric M. Kracht** is an employee of Ford Motor Co.  
**Salah Mahmoud** is employed by Lockheed Martin.  
**Nanjappa Natarajan** works with Cisco Systems Inc.  
**Rene Nolan** works for UPS.  
**Ahmet S. Ozkan** is an employee of HNTB Corp.  
**Gautam Pamula** is employed with Cap Gemini Ernst & Young-Consulting Services.  
**Porkodi Ramasamy** is employed by Infinite Spectrum Solutions.  
**Nicole Simien** is a Halliburton employee.  
**Cheryl L. Spiller** is a Halliburton employee.  
**Carrie A. Stoder** is employed by the U.S. Navy.

## STUDENT NEWS

**Ahmad Diponegoro** was awarded the second place Graduate Research Award from the Institute of Industrial Engineers for his M.S. thesis, titled "Machine Location in a Multi-Product Flowline." He was honored with \$200

and a plaque at the 2001 Industrial Engineering Solutions Conference in Dallas, Texas. Bhaba Sarker directed his thesis research.

# MECHANICAL ENGINEERING DEPARTMENT

## FROM THE CHAIR



*Glenn Sinclair*

**T**HE DEPARTMENT of Mechanical Engineering (ME) faculty are committed to teaching and to seeking high standards in education. They have just completed a critical review of the entire undergraduate curriculum. This review led to several improvements,

including the streamlining of courses, the introduction of a sophomore design experience, and the implementation of classes on software packages such as ANSYS, FLUENT, MATLAB, and Pro-Engineer. Several faculty have also organized major renovations and upgrades of three of our undergraduate laboratories. These efforts were led by **Kevin Kelly** and **Wen Jin Meng**, and assisted by **Srinath Ekkad** and **Dimitris Nikitopoulos**. These activities no doubt resulted in the very positive ABET report (Accreditation Board of Engineering and Technology) received this year.

The ME faculty continue to pursue research very actively and to develop innovative ideas with immense impact on engineering. For the last year, they averaged four journal papers per faculty

member and attracted more than \$3 million in research funding. In addition, their research is being increasingly cited in literature. Foci for the generation of research ideas remain in the three centers in the department: the Center for Rotating Machinery, led by **Michael Khonsari**; the Center for Turbine Innovation and Energy Research, led by **Sumanta Acharya**; and the Center for Modular Microsystems, led by **Michael Murphy**. The first two of these centers have now been recognized by the Board of Regents as official LSU research centers.

On a personal note, joining the department has proven to be a privilege and a pleasure for me. It is great to work with faculty who are committed to striving for the highest levels of quality in both teaching and research.

*Glenn Sinclair  
Chair and Richard J. and Katherine J. Juneau Distinguished Professor*

## ME HIRES NEW CHAIRMAN

**Glenn Sinclair** has been selected as the Richard J. and Katherine J. Juneau Distinguished Professor and chairman of the Department of Mechanical Engineering.

Sinclair received his Bachelor of Science degree in mathematics in 1967 and a Bachelor of Engineering degree in engineering science in 1969, both from the University of Auckland, New Zealand. In 1972, he earned his Ph.D. in applied mechanics from California Institute of Technology.

Prior to accepting the chair position at LSU in January 2001, Sinclair served as professor and former chairman of the Department of Mechanical Engineering at Carnegie Mellon University. His areas of specialization include traditional and nontraditional fracture mechanics, tribology, and numerical methods.

## DEPARTMENT NEWS

**Sumanta Acharya**, L. R. Daniel Jr. Professor of Mechanical Engineering, has been awarded the LSU Alumni Association Faculty Excellence Award.

**Tryfon Charalampopoulos**, Ted and Esther Walker Professor of Mechanical Engineering, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change. Members are nominated by graduating seniors who felt the professor "had a positive impact on their LSU experience both inside and outside of the

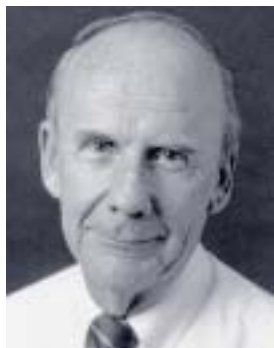
classroom." He has also been awarded the LSU Distinguished Faculty Award.

**Srinath Ekkad**, assistant professor, and his wife, Savita, are the proud parents of a baby boy. Siddarth Ekkad was born February 13, 2001, and was 7 lbs., 9 oz.

**Aravamudham Raman**, professor, has been recognized for 30 years of service to the University.

**Warren N. Waggenpack Jr.**, associate professor, has been named the E. S. "Ned" Adler Memorial Endowed Professor. Waggenpack was a former student of this mechanical engineering professor. The professorship is funded by Hermann and Zoe Schluter as a memorial to Ned Adler.

**Eyassu Woldesenbet**, assistant professor, has become a registered professional engineer.

ME FACULTY LURED  
INTO RETIREMENT*Robert Courter**Mehdy Sabbaghian**Daniel Yanitell*

Three long-time faculty members in the mechanical engineering department have retired and left the University. **Robert Courter**, **Mehdy Sabbaghian**, and **Daniel Yanitell** retired in December 2000, each after having served more than 30 years at LSU.

**Robert Courter**, Mr. and Mrs. A.J.M. "Bubba" Oustalet Professor and associate professor, has retired after 33 years of service to the University.

**Mehdy Sabbaghian**, department chairman and Chevron Professor of Engineering, has retired after 36 years of service.

**Daniel Yannitell**, department associate chairman and Fritz Blumer and Francis Blumer Professor and associate professor, retired after 34 years of service to the University.

All three faculty members will be greatly missed.

## PATENTS

**Lyndon Stephens** and **Kevin Kelly**, associate professor, have recently received a patent for their invention "Bearings and Mechanical Seals Enhanced with Microstructures." The patent was procured through the efforts of the LSU Office of Intellectual Property

## WELCOME TO LSU



**Ramanchandra Devireddy**, assistant professor, received his Ph.D. in 1999 from the University of Minnesota. His areas of specialization are cryopreservation, cryosurgery, heat and mass transfer, and bio-heat transfer.



# ALUMNI NEWS

1943



**Bert S. Turner** was named to the Business Hall of Fame Laureate by the *Baton Rouge Business Report* and Junior Achievement of Greater Baton

Rouge and Acadiana Inc.

1963

**Donald P. Robin** (M.S. 1966, Ph.D. 1969) has been named editor of the *Journal of the Academy of Business Education*. He is the J. Tylee Wilson Professor of Business Ethics at Wake Forest University's Calloway School of Business, where he has served since 1997.

1986

**Warner J. Delaune** (J.D. 1991) has joined the law firm of Kean, Miller, Hawthorne, D'Armond, McCowan, & Jarman L.L.P. as a special counsel. He is a registered patent attorney and practices intellectual property law.

1990

**Patrick Schiele** and his wife, Wendy, are celebrating the birth of their son, Nathan Alexander. Nathan was born July 20, 2000. The family resides in Kingwood, Texas.

1995

**Mark A. Fuselier** and his wife, Meg, are celebrating the birth of their son, Jack Thomas. Jack was born on September 16, 2000.

**Stephen Moret** has been awarded a Mortar Board National Foundation Fellowship for the 2000–2001 academic year. He is currently pursuing an M.B.A. at Harvard Business School.

1998

**Lambert "Trey" Austin** is a sales engineer in Houston, Texas, for The Trane Company. He is also serving as president of the Houston chapter LSU Alumni Association.

## IN MEMORIAM



**A.J.M. "BUBBA" OUSTALET JR.**, a 1947 mechanical engineering graduate, passed away November 26, 2001. He was a great benefactor of the College of Engineering, having funded two engineering professorships, the A.J.M. "Bubba" Oustalet Distinguished Professorship of Engineering and the Fred B. and Ruth B. Zigler Professorship. Oustalet was a member of the LSU Foundation for 40 years. He was inducted into the LSU College of Engineering Hall of Distinction in 2001. Oustalet was a resident of Jennings, Louisiana, and Pass Christian, Mississippi.

## RECENT GRADUATES

2000

**Hara K. Bandhakavi** works for Cisco.

**Meenakshi Gnanaguruparan** is employed at Advanced Micro Devices.

**Jorge Alberto Gomez** is working in the International Services Office at LSU.

**Deepa Govindarajan** is employed with Intel.

**David W. Ortte** is an employee of Dallas Semiconductor.

**Uma Subramanian** works for Amber Networks.

**Idorenyin Udoh** is an employee of Motorola.

2001

**Dwayne Aucoin** is a Cross Services employee.

**Lance Bonadona** is employed by Assat, Somoneaux, Tauzin, & Associates.

**Scott Brandt** is working at Equilon.

**Julie Brite** is an employee of Siemens Building Technologies.

**Jennifer Chapman** is working with Ingalls Shipyard.

**Mathew A. Chustz** is employed in the U.S. Navy.

**Mark Collins** is employed in the U.S. Navy.

**Casey Dufour** works for Parson's Energy Group.

**Jeff Durand** is an employee of FLUOR Daniel.

**David East** is a Shell Chemical-Geismar employee.

**Slow-Hui Hau** works for Vet Science.

**Troy Hill** is employed at Weatherford.

**Robert Jones** is working at Technical Compression Services.

**Eric M. Kracht** works with Ford Motor Company.

**Angela Kraemer** is employee of Aggreko.

*continued on page 34*

## RECENT GRADUATES

*Continued from page 33*

**Rachel Lacinak** is employed at Carrier.

**Adam LeBlanc** is a Atufina employee.

**Jarred Metoyer** is working at the University of California at Berkeley.

**Michael J. Meyers** is working at Conoco.

**Cuong Nguyen** is employed at E.O.I.

**John K. M. Saichuk** works for Worldcom.

**Eric M. Saniers** is employed by Siemens.

**Steve Schilling** is employed at LSU.

**Scot J. Stewart** is employed in the U.S. Air Force.

**Leon Stockwell** works with Shell Exploration & Production.

**Allen Keith Thomas Jr.** is an employee of Weatherford.

**Ryan Turner** is employed at LSU.

**Shwetha Verma** is an employee of Schlumberger.

## IN MEMORIAM

**1952**

**Lemuel L. Leach Jr.** passed away November 22, 1998. Leach was an avid supporter of the College of Engineering, having participated in the Alumni Endowment Program at the maximum level of \$2,000 each year since its inception in 1992. He resided in Houston, Texas.

## ME ALUMNUS INDUCTED INTO OLD WAR SKULE HALL OF HONOR



*LSU veterans and their families, as well as LSU officials, were present at "LSU Salutes," an annual two-day celebration honoring the contributions of LSU veterans.*

**John C. Copes**, a 1947 mechanical engineering alumnus, was one of 16 new members inducted into the Cadets of the Ole War Skule Hall of Honor, November 4, 2000. Inductees were selected based upon their involvement with the University as well as military and community service.

A Baton Rouge native, Copes began his military service at LSU as an ROTC cadet in 1941. In 1943, he enlisted in active duty and received a commission of second lieutenant through officer candidate school in 1944. He was then assigned to the U.S. Army Corps of Engineers and returned to LSU's Army Specialized Training Program for six months. In 1945, he was wounded, spending eight months in a hospital and discharged the same year. He has received the Bronze Star with V device, the Purple Heart, and three battle stars. Since 1964, Copes has been self-employed as a consulting engineer and he currently holds five patents. He is married to the former Estelle Givens, and they have one son and one grandson.



# CRAFT AND HAWKINS DEPARTMENT OF PETROLEUM ENGINEERING

## FROM THE CHAIR



*Zaki A. Bassiouni*

**H**APPY DAYS are here again! Optimism reigns in the oil patch. Oil and gas prices are up. Our enrollment is on an upward trend, and the industry, which practices selective college recruitment, is back courting our

graduates with multiple offers, some of which are in the high \$50Ks.

The recent faculty hires in the Craft & Hawkins Department of Petroleum Engineering (PETE) have launched new research initiatives in the areas of geo-statistics and geomodeling, sequestration of carbon dioxide, and special well-control problems.

We are working closer than ever with our industry partners. Industry partners are very much involved in the senior and other design projects. Faculty and students seek ideas and mentoring from industry. A panel of practicing engineers listen to the students' preliminary and final project presentations and take an active part in project outcome assessment.

The department also has articulated its objectives and renewed its commitments to produce engineers who have

critical thinking skills, are effective communicators, have been exposed to existing and emerging technologies, have the ability to pursue lifelong learning, uphold high professional ethics, and have a commitment to public health, safety, and the environment.

Not all is rosy, however. We are still facing major challenges to maintain our status as one of the top programs in the nation. The major challenge is to increase the numbers of our relatively small faculty and attract young, new faculty to make up for the loss of senior faculty to retirement. The department has critical need for specialized staff, space for faculty and graduate students, and a support budget.

Yet, as in the past, with the help of our alumni and friends, the department will meet the challenge and continue to fulfill its mission.

*Zaki A. Bassiouni  
Chair and John W. Rhea Jr. Professor  
of Engineering,  
Chevron Endowed Professor  
of Engineering*

## WELCOME TO LSU



**Jeremy K. Edwards**, assistant professor, joined the department in November 2000. He received his Ph.D. in petroleum engineering from the University of Tulsa in 2000. His areas of specialization are production, completion engineering, surface facilities, erosion, and computational fluid dynamics.

**Dan Lawrence**, research specialist, joined the PETE department in September 2000. He previously worked at the Amoco Research Center in Tulsa. He has experience in high pressure/temperature experimental systems development operation and will work in these areas.



DEPARTMENT  
NEWS

**Zaki Bassiouni**, John W. Rhea Jr. Professor of Engineering and Chevron Endowed Professor, received the Engineering Faculty Professionalism Award from the Louisiana Engineering Foundation.

**John McMullan**, instructor, has been named to the Faculty Honor Roll by the LSU Campus Community Coalition for Change. Members are nominated by graduating seniors who felt the professor "had a positive impact on their LSU experience both inside and outside of the classroom."

**Dandina N. Rao**, assistant professor, has been invited by the Distinguished Authors Series Committee of the Editorial Review Board of the *Journal of Canadian Petroleum Technology* to write an article on recent advances and experiences with improved oil recovery by gas injection. He is currently serving as technical editor of the SPE *Journal of the Society of Petroleum Engineers*.

**Andrzej K. Wojtanowicz**, Texaco Chair in Petroleum Engineering, was recently elected technical editor of the *Journal of Energy Resources Technology/Transactions* (JERT) of the American Society of Mechanical Engineering (ASME) effective January 1, 2001.

FORMER DEAN PRESENTS  
ETHICS SEMINAR

Former Dean **Adam "Ted" Bourgoyne Jr.** volunteered to speak on "Recommended Professional Ethics for Well Control Operations" to the PETE 7256 (Advanced Well Control Seminar) class September 26, 2001. This presentation was attended by many graduate students, faculty, and staff. This seminar was a prototype of the mandatory graduate seminar series that will be conducted by faculty, students, and guest speakers. Attendees received one hour of continuing education credit for professional development, as required by registration of professional engineers. Future professional development seminars may be available. Please contact the Craft & Hawkins Department of Petroleum Engineering for more information at 225/578-5215.

## RECENT GRADUATES

## 2000

**Birlie C. Bourgeois** is employed at Chevron.

**Jeffrey S. Fooshee** is employed by Bass Enterprises Production Co.

**James Adrian Landreneau** is employed with CUDD Pressure Control.

**Brian Lively** is an employee of Exxon-Mobil.

**Dawn Akes Whirley** is employed at Chevron.

**Bryant LaPoint** is an employee of Chevron.

**Galal A. Mohamed** is an employee with Schlumberger.

**Amanda Monus** is employed by ExxonMobil.

**Melanie Perry** is employed with Chevron.

**Hussain H. Radwani** is a Qatar Petroleum Co. employee.

**Robert Rapp** is employed at Holmrich and Payne.

**John Sage Jr.** is employed with Exxon-Mobil.

**Christine Seiler** is employed by Chevron.

## 2001

**Natasha S. Bland** is employed with Schlumberger.

**James M. Bollinger Jr.** is employed by Chevron.

# ALUMNI NEWS

1935



**Adolphe G. Gueymard** was inducted into the 2000 LSU Alumni Association Hall of Distinction. Selection is based upon individuals who have distinguished themselves through service to the University and their communities. Gueymard is a past president of the LSU Foundation. He currently serves as president of Production Technologies Inc. and also serves as chairman of the board of Campanile Charities Inc. He is a member of American Petroleum Institute, Society of Petroleum Engineers, American Association of Petroleum Geologists, Houston Geological Society, and the Houston Museum of Natural Science.

1941



**Dalton Woods** was named Alumnus of the Year 2000 by the LSU Alumni Association. Woods is CEO of Dalwood Corporation and Woods Operating Co. Inc. He is a past member of the LSU Board of Supervisors and past chairman of the LSU Foundation in

Shreveport. He also received the LSU Foundation President's Award for Lifetime Support at the Benefactor level. He is a member of the National Petroleum Council, the Shreveport Geological Society, and the American Association of Petroleum Geologists.

1947

**James L. "Jim" Newman** retired as general manager of Harold Lee Engineering Co. Newman is a professional engineer registered in the state of Texas. He is the second of four generations of LSU alumni in his family, preceded by his mother, the late Lillian Lee Newman, and followed by his daughters Melanie Newman Pitre ('67) and Kathy Newman ('74); and a granddaughter, Laura Pitre, ('98). Jim and his wife, Ethel Lormand, live in Beaumont, Texas. They celebrated 59 years of marriage in August 2001.

1955

**Lodwick M. Cook** has received the first-ever George Bush Corporate Leadership Award at the 2001 Points of Life Foundation Awards for Excellence in Corporate Community Service. Held at the George Bush Presidential Library and Museum in College Station, Texas, the event honored Cook for his longstanding support for corporate volunteering and setting an outstanding example of lifetime service. The Points of Life Foundation is the nation's leading volunteer resource that encourages businesses to establish employee volunteer programs. Cook is co-chair of the organization.

1962



*Patrick and Phyllis Taylor present their endowment to Chancellor Mark Emmert.*

**Patrick Taylor** has donated \$1 million to establish several endowed professorships in the LSU Department of French Studies in honor of his wife of 37 years, Phyllis Miller Taylor. Mrs. Taylor graduated from the University of Southwestern Louisiana with a bachelor's degree in history and political science. She also earned her L.L.B. from Tulane University.

1963



**Harry J. Longwell** was recognized for his lifetime support of LSU at the LSU Foundation's 41st annual meeting and banquet in November 2000. The LSU Foundation's President's Awards for Lifetime Support recognize the cumulative giving of individuals and organizations to all the main campus units of LSU and their support foundations, including Louisiana State University and A&M College, LSU Agricultural Center, LSU Law Center, LSU Alumni Association, Tiger Athletic Foundation, and the LSU Foundation.

*Alumni News cont'd. on page 38*



## ALUMNI NEWS

Continued from page 37

1972



**Jerry E. Shea Jr.** (M.B.A. 1974) has been inducted into the 2001 LSU Alumni Association Hall of Distinction.

1980

**Philip Keller** and his wife, Carrie, are celebrating the birth of their daughter, Zoe Claire. She was born November 2, 2000. The family resides in College Station, Texas.

## IN MEMORIAM

1949

**Max Irving Brown** passed away May 29, 2000. He was a resident of New Orleans, Louisiana.

**Paul J. Miller** died October 2, 2000. He resided in Park Ridge, Illinois.

## THREE GENERATIONS OF ATHLETES

Pictured below are three generations of the Cusimano family who received athletic letters at LSU: (starting left) Judge Charles V. Cusimano II (wrestling), Krissie Cusimano (track and field), Katie Cusimano (track and field) and Charles V. Cusimano (B.S. 1951 PETE, football)



## STUDENT OVERCOMES PARALYZING SKIING ACCIDENT TO GRADUATE AS PLANNED

LSU petroleum engineering student **John Sage Jr.** did not have an ordinary senior year. During a January ski trip to Copperhead Mountain in Colorado, Sage was left paralyzed, with a crushed backbone and damaged spinal cord after he collided with a tree. Following four hours of surgery, he was told that he would be paralyzed from the chest down. Through rehabilitation, however, he gained some feeling and movement in his legs.

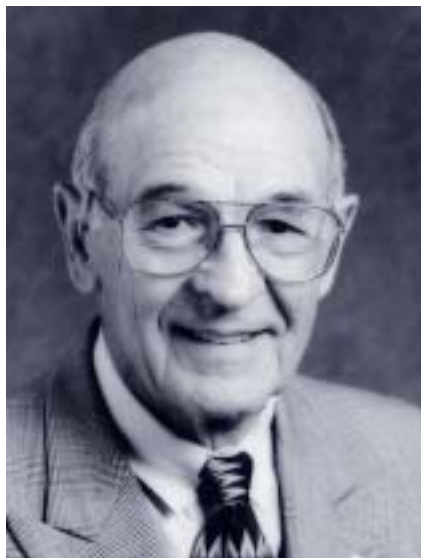
Sage's largest obstacle was graduating in the spring semester as originally planned. His job with ExxonMobil was dependent upon his graduating in 2001. He was determined to complete his last four classes while still undergoing therapy and tests. During this time, he traveled across campus in a wheelchair and underwent therapy three days a week. His professors, who worked closely with him, had no doubt this straight-A student would graduate in May.

As planned, Sage received his Bachelor of Science degree in petroleum engineering on May 18 and has been hired by ExxonMobil Engineering Division in Houston.



# DEVELOPMENT ACTIVITIES

## FROM THE DIRECTOR



*Edward J. Steimel  
Director of Development*

**T**HE COLLEGE OF ENGINEERING has thus far added ten \$100,000 or more endowed professorships in 2001.

Four of these professorships came to the college from a pooled income fund established by **Roy Paul Daniels**, a 1926 chemical engineering graduate of LSU who passed away earlier this year.

Another professorship for \$115,000 was established by **Bert Turner**, who had previously established a \$1 million professorship for the dean of the College of Engineering.

**Alfredo M. Lopez**, **Elsie Holmes**, and **Malcolm and Gene Perdue Lowe** all made additional contributions to create \$200,000 professorships. These professorships had been established earlier at \$100,000 each.

Two other professorships were established in the new Department of Construction Management by **Cajun Constructors** and **Performance Contractors**.

Six more professorships have been pledged for January 2002; donors of these funds must wait until the new year for matching money to become available, since they have used all available matching gifts by their companies for 2001. Five of these pledged professorships will be upgraded from the \$100,000 level to the \$200,000 Distinguished Professorship level.

During the past year, five alumni have added more contributions to their professorships. With these recent additions, the college now has 27 Distinguished Professorships at the level of \$200,000 or more.

These gifts provide an attractive salary supplement and thus make the college more competitive in securing top quality faculty.

*Edward J. Steimel  
Director of Development*

## LSU CAMPAIGN REACHES SIX-YEAR GOAL

The LSU Foundation has announced the six-year LSU Campaign has exceeded its goal of \$150 million, ending the campaign with \$255 million on June 30. The goals of the campaign involved creating permanent assets to aid student academic programs, including funding for scholarships, endowed chairs and professorships for faculty, and materials and facilities for laboratories and libraries.

Two of the leading donors, **Gordon A. and Mary Cain** and **E.J. and Marjory Ourso**, pledged more than \$11 million to the Department of Chemical Engineering and \$15 million to the College of Business Administration, respectively. The Department of Chemical Engineering and the College of Business Administration have subsequently been named for these outstanding benefactors. In all, 21 families, companies, and individuals donated more than \$1 million each.

Employees of companies with matching gift programs significantly increased their contributions by having their donation matched with corporate funds. Donors also took advantage of the state's matching fund program for endowed professorships and chairs. The Board of Regents Support Fund matched grants of more than \$24 million for these purposes.

The campaign leadership team consisted of 35 individuals, including engineering alumni **John Barton**, **Donald Clayton**, **Lod Cook**, **Donald Keller**, **Renee Latiolais**, **Harry Longwell**, **Paul Murrill**, **Robert Pettit**, and **Bert Turner**.

Dean Pius Egbelu said, "The College of Engineering would like to extend a special thanks to everyone who contributed to the success of the LSU Campaign."

## BOARD OF REGENTS PRESENTS CHECK FOR \$9.5 MILLION

The Louisiana Board of Regents presented a check for more than \$9.5 million on August 24, 2001, to match the backlog of endowed chairs and professorships at LSU. A total of five endowed chairs and 157 endowed professorships were matched, with the College of Engineering receiving matches for two chairs and 63 professorships. The total amount of \$3.72 million received by the college was the largest amount awarded to an individual unit.

The chairs and professorships that were matched in the College of Engineering included:

### Chairs

- ◆ Gordon A. and Mary Cain Chair in Chemical Engineering II
- ◆ Ocean Energy Chair in Petroleum Engineering

### Professorships

- ◆ Robert D. and Adele W. Anding Distinguished Professorship in Engineering III
- ◆ Gordon A. and Mary Cain Professorship in Chemical Engineering I
- ◆ Gordon A. and Mary Cain Professorship in Chemical Engineering II
- ◆ Gordon A. and Mary Cain Professorship in Chemical Engineering III
- ◆ Gordon A. and Mary Cain Professorship in Chemical Engineering IV
- ◆ Gordon A. and Mary Cain Professorship in Chemical Engineering V
- ◆ Campanile Charities Professorship of Offshore Mining and Petroleum Engineering
- ◆ Marvin Rex Clemons Professorship in the College of Engineering
- ◆ L. R. Daniel Jr. Professorship of Mechanical Engineering II

- ◆ Albert Livingston East Jr. Professorship in Mechanical Engineering
- ◆ Formosa Plastics Distinguished Professorship of Engineering II
- ◆ Fruehan Family Professorship in the College of Engineering
- ◆ Georgia Gulf Professorship in Engineering II
- ◆ Groves-Hodge Family Professorship in the College of Engineering
- ◆ Adolphe G. Gueymard Professorship
- ◆ Effie C. and Donald M. Hardy Professorship in the College of Engineering
- ◆ Richard J. and Katherine J. Juneau Distinguished Professorship I
- ◆ Richard J. and Katherine J. Juneau Distinguished Professorship II
- ◆ Longwell-Leonard Family Distinguished Professorship II in the College of Engineering
- ◆ Alfredo M. Lopez Professorship in the College of Engineering
- ◆ Mr. and Mrs. Boyd H. McMullan Professorship
- ◆ Edwin B. and Norma S. McNeil Professorship in the College of Engineering
- ◆ Mr. and Mrs. A.J.M. "Bubba" Oustalet Distinguished Professorship of Engineering II
- ◆ Leon M. Pliner Distinguished Professorship in Chemical Engineering
- ◆ Bernard S. Pressburg Professorship in Chemical Engineering
- ◆ Charles and Hilda Roddey Professorship I
- ◆ Charles and Hilda Roddey Professorship II
- ◆ Edward A. and Karen Wax Schmitt Professorship
- ◆ Bert S. Turner Endowed Professorship of Engineering VI
- ◆ Bert S. Turner Endowed Professorship of Engineering VII
- ◆ Bert S. Turner Endowed Professorship of Engineering VIII
- ◆ Bert S. Turner Endowed Professorship of Engineering IX
- ◆ Bert S. Turner Endowed Professorship of Engineering X
- ◆ Humphries T. Turner Endowed Professorship
- ◆ Michel B. Voorhies Distinguished Professorship of Electrical Engineering III
- ◆ Emmett C. Wells Jr. Professorship
- ◆ Elton Yates Endowed Professorship II



LSU Chancellor Mark Emmert (second from right) received a check for \$9 million from (starting left) Louisiana Commissioner of Higher Education Joseph Savoie and Board of Regents members Frances T. Henry and Roland M. Touns at a presentation ceremony held August 24 at the Lod Cook Alumni Center.



## New Distinguished Professorships

### ROY PAUL DANIELS DISTINGUISHED PROFESSORSHIP I, II, III, IV

The late Roy Paul Daniels, a 1926 chemical engineering graduate from LSU, endowed ten \$100,000 professorships at LSU including four in the College of Engineering. He held both B.S. and M.S. degrees. Daniels was a retired Gulf Oil Corporation employee who passed away recently.

These professorships were provided through a charitable remainder trust. One of the professorships has been designated for the Gordon A. and Mary Cain Department of Chemical Engineering, to be named for **Paul M. Horton**, a former professor in the department. The other three, named for Roy Paul Daniels, were not designated for any specific department.

### JACK HOLMES DISTINGUISHED PROFESSORSHIP

**Elsie Holmes**, widow of **Jack Holmes**, has pledged \$100,000 to expand the Jack Holmes Professorship in Mechanical Engineering to the distinguished professorship level of \$200,000, in memory of her husband, Jack Holmes.

Mrs. Holmes made a \$5,000 donation and pledges to contribute \$10,000 in the next two years, which will be matched by Exxon Education Foundation to complete the \$60,000 in private funds. The remaining \$40,000 will be attained from matching funds from the State Board of Regents Support Fund for the second half of a \$200,000 distinguished professorship.

In 1991, the Department of Mechanical Engineering Jack Holmes Endowed Professorship was created by the family of Jack Holmes, a retired engineer who died in March 1991. Mr. Holmes joined Standard Oil Co., now ExxonMobil, after graduating with a master's degree from LSU in 1936. He remained there for 40 years until his retirement in 1976.

In January 1998, **Su-Seng Pang**, mechanical engineering professor and associate vice chancellor for the Office of Strategic Initiatives, was named to the professorship.

### ALFREDO M. LOPEZ DISTINGUISHED PROFESSORSHIP

**Alfredo M. Lopez**, vice president of research and development for the ExxonMobil Research and Engineering Company, has expanded his endowed professorship to the \$200,000 distinguished level.



*Alfredo Lopez*

Lopez, a native of Havana, Cuba, received his bachelor's degree from LSU in 1963, master's degree in 1965, and Ph.D. in 1967, all in chemical engineering. He is a member of the board of advisers for the LSU Gordon A. & Mary Cain Department of Chemical Engineering. In 2000, Lopez was inducted into the College of Engineering Hall of Distinction.

The Alfredo M. Lopez Distinguished Professorship in the College of Engineering, already partially matched by Exxon and the State Board of Regents Support Fund, will receive further matching funds from both Exxon and the State Board of Regents Support Fund.

### BERT S. TURNER DISTINGUISHED PROFESSORSHIP



*Bert S. Turner*

**Bert S. Turner**, chairman and chief executive officer of Turner Industries Ltd. in Baton Rouge, has pledged an additional \$75,000 to expand his existing \$1 million distinguished professorship. Turner intends to add to his previous 10 professorships in order to provide a cost of living supplement for each professorship.

The Bert S. Turner Distinguished Professorship in the College of Engineering is the largest professorship in the state, which will amount to \$1,115,000 once it is matched by the State Board of Regents Support Fund.

The professorship is designed to support the position of dean of the College of Engineering, and in August of 2000 it was awarded to Dean **Pius J. Egbelu**.

A long-time supporter of LSU, Turner received his bachelor's degree in mechanical engineering from LSU in 1943 and an M.B.A. from Harvard University in 1949. In 1996, he was awarded an honorary degree from LSU. In his professional career, he

began Turner Industries Ltd., one of the state's most prominent engineering and construction companies.

He has served as chairman of the LSU Board of Supervisors, president of the LSU Foundation Board, and member of the Louisiana State Board of Regents. He is currently a member of the LSU College of Engineering Dean's Industry Advisory Council. In 1992, Turner was inducted into the College of Engineering Hall of Distinction.

## New Professorships

### CAJUN CONSTRUCTORS INC. PROFESSORSHIP



*Lane Grigsby*

**Lane Grigsby**, chairman of Cajun Constructors Inc. in Baton Rouge, has established the Cajun Constructors Professorship in the College of Engineering for the Department of Construction Management. During the August 2001 meeting of the Construction Management Industry Advisory Council, Grigsby presented a check of \$20,000, with a pledge to contribute an additional \$40,000 within two years, to complete the \$60,000 in private funding. The remaining \$40,000 will be acquired from matching funds from the State Board of Regents Support Fund to create the \$100,000 professorship. Grigsby is a 1967 LSU graduate in civil engineering and currently serves on the Construction Management Industry Advisory Council and the Dean's Industry Advisory Board. In 1997, Grigsby was inducted into the College of Engineering Hall of Distinction.

### CONTRACTORS EDUCATIONAL TRUST FUND PROFESSORSHIP

The **Contractors Educational Trust Fund (CETF)** has donated funds to establish the Professorship for Applied Professional Ethics in Construction Management in the College of Engineering. On November 29, 2000, CETF presented LSU with a \$60,000 check to fund this new professorship. With the matching funds from the Board of Regents Support Fund, the professorship will be valued at \$100,000.



### PERFORMANCE CONTRACTORS INC. PROFESSORSHIP

**Arthur E. Farve**, president of Performance Contractors Inc. in Baton Rouge, has donated \$60,000 to the LSU Foundation to establish the Performance Contractors Inc. Professorship for the Department of Construction Management in the College of Engineering. Private funding was completed in May 2001, and application to the Board of Regents Support Fund has been made. Once matched, the professorship will total \$100,000.

Farve was recognized by the LSU Foundation with the President's Award for Lifetime Support in 1999. He was acknowledged for his philanthropic interest in LSU and has been placed among the higher ranks of all the University's living benefactors.

#### New Scholarships

### ASSCT UNDERGRADUATE SUGAR PROCESSING SCHOLARSHIP

In December 2000, the Louisiana Division of the American Society of Sugar Cane Technologists (ASSCT), along with various donors, established the ASSCT Undergraduate Sugar Processing Scholarship. The scholarship is intended for students majoring in biological engineering, chemical engineering, electrical engineering, or mechanical engineering. Preference will be given to students who reside in sugarcane producing parishes.

### BP AMERICA INC. ENDOWED SCHOLARSHIP

In April 2001, BP America Inc. contributed \$50,000 to establish the BP America Inc. Endowed Scholarship in the Craft & Hawkins Department of Petroleum Engineering. **David H. Welch**, regional vice president of BP America Inc., was instrumental in securing this scholarship for the College of Engineering. Welch is also a 1972 petroleum engineering alumnus.

### JOHN B. BROCK III SCHOLARSHIP IN PETROLEUM ENGINEERING

Petroleum engineering alumnus **John B. Brock III** pledged \$50,000 in August 2001 to establish an endowed scholarship in his name for the benefit of the Craft & Hawkins Department of Petroleum Engineering. Brock received his bachelor's degree in 1954 and is a resident of Houston, Texas.

### CRAFT & HAWKINS ENDOWED SCHOLARSHIP IN PETROLEUM ENGINEERING

The Craft & Hawkins Endowed Scholarship in Petroleum Engineering has been established by **John W. Rhea**, a former student of Craft and Hawkins and a 1940 petroleum engineering alumnus. The scholarship was created with a \$10,000 contribution from Rhea and has received numerous donations from additional alumni who have been inspired by the former faculty members.

### FRANCIS FALCON SCHOLARSHIP



*Laura Falcon with Executive Vice Chancellor and Provost Dan Fogel*

The Francis Falcon family has endowed a \$50,000 scholarship in memory of **Francis Falcon**, a 1935 graduate of petroleum engineering. Mr. Falcon, who had retired from Shell Oil in New Orleans, passed away in January 1999. In November 2000, Laura Falcon presented a check to establish the scholarship to Executive Vice Chancellor and Provost Daniel Fogel at the Lod Cook Alumni Center.

### DON RAY GEORGE COLLEGE OF ENGINEERING PRESIDENT'S SCHOLARSHIP

**Don Ray George**, a 1968 graduate of petroleum engineering, has established the Don Ray George College of Engineering President's Scholarship. George, a resident of Austin, Texas, created the endowed scholarship with a \$50,000 donation. Recipients of the scholarship must be full-time petroleum engineering students who display academic excellence and financial need.

### MURRAY F. HAWKINS JR. & WILLIAM R. HOLDEN ACHIEVEMENT SCHOLARSHIP

The Murray F. Hawkins Jr. & William R. Holden Achievement Scholarship has been created by a \$50,000 total contribution from **Kenneth F. Scott**, a 1968 petroleum engineering graduate, and **Bruce E. Bernard**, a 1969 graduate of petroleum engineering. The former classmates wanted to honor Hawkins and Holden for their excellence in undergraduate instruction. Consideration

for the scholarship will be given to students in the petroleum engineering program, with a 3.0 grade-point average and a proven leadership ability.

### BILL HISE ENDOWED SCHOLARSHIP IN PETROLEUM ENGINEERING

The Bill Hise Endowed Scholarship in Petroleum Engineering is funded by **Randy L. Limbacher**, a 1980 petroleum engineering alumnus. Limbacher is senior vice president of production for Burlington Resources Inc. in Houston, Texas. In March 2001, he donated \$50,000 to establish the scholarship in the name Bill Hise, the instructor who made the most impact on his career. Hise is a 1978 chemical engineering alumnus.

### BILL HOLDEN/NACME ENDOWED PROFESSORSHIP FUND IN THE CRAFT & HAWKINS DEPARTMENT OF PETROLEUM ENGINEERING



*Harry J. Longwell*

The Bill Holden/NACME Endowed Professorship Fund in the Craft & Hawkins Department of Petroleum Engineering is funded by **Harry J. Longwell**, director and senior vice president of ExxonMobil Corporation and 1963 petroleum engineering alumnus. Preference for scholarship recipients shall be given to minority students and selection shall include the ideals and goals of the National Action Council for Minorities in Engineering (NACME). Consideration shall be given to Louisiana residents and who have participated in NACME programs in high school.

### MONTEZ JUNEAU ENDOWED SCHOLARSHIP

The Montez Juneau Endowed Scholarship has been established by **J. Brad Juneau**, a 1982 petroleum engineering alumnus, in honor of his grandmother. Juneau's donation of property will benefit students enrolled in the petroleum engineering program.

### OSCAR K. KIMBLER MEMORIAL SCHOLARSHIP

The Oscar K. Kimbler Memorial Scholarship has been established through various

contributions from petroleum engineering alumni. The fund was originally established in 1987 by a contribution from **Dr. and Mrs. William R. Holden**. The scholarship will benefit students enrolled in the petroleum engineering program.

#### JOSEPH L. KLEINPETER SCHOLARSHIP



*Joseph Kleinpeter  
in 1965 as a student  
at LSU*



*Joseph Kleinpeter  
today*

**Joseph Kleinpeter**, 1965 chemical engineering graduate and native of Roseland, Louisiana, recently established the Joseph L. Kleinpeter Scholarship for Engineering. Kleinpeter contributed \$80,000 to fund the endowed scholarship fund for undergraduate engineering students. The scholarship is awarded based on the recipient's major and high school. Students from Amite High School, Kleinpeter's alma mater, who intend to major in chemical engineering will receive top priority.

Kleinpeter began working for Conoco in 1968 and currently serves as director of telecommunications for Du Pont. He also holds a Ph.D. in chemical engineering from Tulane University in New Orleans.

#### TRACY W. KROHN FAMILY SCHOLARSHIP

**Tracy W. Krohn**, a 1978 petroleum engineering alumnus, has contributed \$50,000 to create a scholarship in her name. The recipient must be enrolled as a full-time student in the petroleum engineering program in the College of Engineering. Academic

merit and financial need may be a consideration. Krohn is CEO of W&T Offshore Inc.

#### W&T OFFSHORE INC. SCHOLARSHIP

In August 2001, **W&T Offshore Inc.** contributed \$50,000 to create the W&T Offshore Inc. Endowed Scholarship. Recipients of the scholarship must be full-time undergraduate students enrolled in the petroleum engineering program in the College of Engineering.

#### AMY & ZEKE ZERINGUE ENDOWED SCHOLARSHIP IN PETROLEUM ENGINEERING

The Amy & Zeke Zeringue Endowed Scholarship in Petroleum Engineering is funded by **Whitney "Zeke" J. Zeringue Jr.** (B.S., PETE, 1971) and his daughter, **Amy** (B.S., PETE, 1997). Zeke is CEO of Wellogix Inc., and Amy is a support engineer with Landmark Graphics. In August 2001, they made a \$50,000 pledge to establish the scholarship for petroleum engineering students.

## CORPORATE RELATIONS

### CONOCO REPRESENTATIVES VISIT FOR "A DAY AT LSU"



*Conoco executives strengthen their corporate partnership with LSU as they meet with several LSU administrators.*



*On June 11, representatives from Conoco Oil presented the College of Engineering with a check for \$71,000.*

In January 2001, Conoco executives visited LSU to strengthen reciprocal ties with the University. Corporations such as Conoco provide underwriting and support for research at universities; in exchange, the universities share new knowledge and techniques acquired.

During their visit, executives were taken on a tour of the University and were met by Chancellor Mark Emmert, Executive Vice Chancellor and Provost Daniel Fogel, Dean Pius Egbelu, and the deans of the College of Basic Sciences and E. J. Ourso College of Business Administration. Conoco executives included **Bill Easter**, general manager of Gulf Coast Refining and Marketing; **Dewey Aucoin**, manager of Developing Assets; **John Hopkins**, vice president of Upstream; **Dwaine Wilson**, vice president of Technology; and **Doug Caro**, refinery manager and LSU graduate.

The visit was cohosted by the LSU Foundation.



## TEXACO INTRODUCES DEAN TO PETROCHEMICAL INDUSTRY

Texaco Worldwide Exploration and Production hosted a discussion luncheon on March 21, 2001, at the Plimsoll Club, the World Trade Center in New Orleans, to introduce **Pius J. Egbelu**, dean of the College of Engineering.

Corporate executives in the petroleum and chemical industries were invited by **Robert Lane**, vice president of Texaco's New Orleans Business Unit, to attend the interactive and informative luncheon. Dean Egbelu discussed the college's 2001 strategic plan and reviewed ideas for supporting the petrochemical industries within Louisiana.

Texaco has maintained a strong partnership with LSU and has been an avid supporter of the University, with an accumulated giving history to date of nearly \$2.5 million.

## EXXONMOBIL PRESENTS CHECK FOR MATCHING GIFTS

On June 6, 2001, the ExxonMobil Foundation presented LSU with a check for \$355,858, an amount that represents a three-to-one matching gift made on behalf of employees who donated to the University.

The deadline for matching gifts last year was in April; this year the deadline was moved up to December 31, which created a short year for giving.

ExxonMobil donors, who include 142 employees, retirees, surviving spouses, and directors, gave \$121,158 this year, bringing the total from ExxonMobil and its employees to \$477,016.

"The ExxonMobil matching program is one of the most outstanding corporate programs in the country for the benefit of higher education," said Cecil Phillips, executive director for the LSU Foundation. "LSU has been the leading university beneficiary for several years, thanks to our many alumni who take great advantage of the three-to-one match," he said.

In addition to the ExxonMobil Foundation, other ExxonMobil organizations contributed \$119,100 in gifts to the University in 2000. Since 1962, ExxonMobil has given more than \$230 million to higher education.

## ALUMNI RELATIONS

### COLLEGE HOSTS ALUMNI RECEPTION IN HOUSTON

The Development Office hosted an LSU College of Engineering Alumni Reception at the Houstonian Hotel in Houston, Texas, on May 21, 2001, for alumni in the area. Dean Egbelu informed guests of the college's new initiatives and challenges for repositioning itself for the 21st century. Several visits to donors were also made, as well as corporate visits with executives of Shell Oil Company Foundation, BP Amoco, and Schlumberger.



*During the Houston Area Engineering Alumni Reception, Lambert "Trey" Austin, B.S. 1998 mechanical engineering, discussed with alumni the importance of giving back to the College of Engineering. Austin is a former Houston-LSU Alumni Scholarship recipient and is president of the Houston Chapter of the LSU Alumni Association.*



*Robert D. and Adele Anding attended the alumni reception and offered suggestions to Dean Egbelu for enhancing the College of Engineering.*



# ALUMNI ENDOWMENT DRIVE EXCEEDS \$1.7 MILLION

**T**HE College of Engineering wishes to thank all alumni who have contributed to the Alumni Endowment Program. Last year, nearly 325 alumni pledged contributions totaling more than \$140,000. With your help, the drive has exceeded \$1.7 million since its inception in 1992.

Four funds have been established specifically for engineering alumni donations: the Endowed Alumni Laboratory Development Fund, Endowed Alumni Scholarship Fund, Endowed Alumni Fellowship Fund, and the Endowed Faculty Development Fund. Pledges of \$25 to \$2,000 over a period of five years, including corporate matching funds, are solicited through efforts such as mass mailings and telemarketing campaigns. The donations are used to provide scholarships or fellowships to students, to defer the cost of maintenance and purchase of new equipment for engineering laboratories, and to provide professional development activities to bright young faculty members.

Gifts of any size are recognized in *Engineering News*. In the college's "Hall of Honor" (located in the west entrance to the CEBA building), donors who pledge at least \$2,000 are recognized with an embossed metal plate bearing their name, graduation date, and degree earned.

Below is a listing of \$2,000 pledgers to our Endowed Alumni Funds to date, 1992–2001:

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# ESTATE PLANNING GIVES BENEFACTORS MORE OPTIONS

Estate planning offers several options for LSU benefactors to make substantial gifts to the University while achieving other personal goals.

Some planned gifts provide the donor with life income, making them attractive retirement supplements. Other planned gifts can minimize estate taxes, with assets first providing support for LSU and then ultimately going to family members. Such options include Charitable Remainder Unitrusts, bequests, and insurance.

LSU's professional staff assists donors and their advisers in planned gifts to the University that take advantage of the many tax incentives for charitable giving.

If you would like to learn more about estate planning, ask for our free brochure, "Peace of Mind Can Be Yours," or call Stephen Harmon, director of Planned Giving at the LSU Foundation, or Russell Greer, legal counsel, at 225/578-5731.

be claimed as deduction is \$85. Generally, in order to deduct the full amount of the gift, you must reject the benefit.

**Donations of \$250 or more.** If a donation is \$250 or more, the donor must obtain from the organization a receipt that includes the following information:

- ◆ the amount of cash and description of any property given;
- ◆ whether the charity provided goods or services in return for the gift; and
- ◆ a description and estimate of the value of any goods or services provided.

Even if no goods or services are returned and the donation is \$250 or more, you still need to acquire a receipt from the organization. The receipt must be in your possession by the due date of your tax return, including all extensions.

## QUESTION & ANSWER

**Q.** *I've made a number of gifts to charitable organizations this year. What documentation is required to substantiate the deduction on my income taxes?*

**A.** Use the following information as a basic guideline. Because certain gifts require special documentation, always consult your tax adviser for specific guidance.

**Donations of \$75 or more.** If any payment to an organization is in the form of purchasing a service, gift, or benefit, the IRS will presume the payment equal the purchase price. If a donation is more than \$75, however, and the charitable organization provides any goods or services to you, the organization must provide a receipt listing the value of the goods and services received. For example, you may make a donation of \$100 to an organization and receive a \$15 dollar T-shirt in return. The amount that can

## APPRECIATED PROPERTY

### *Cash in on its value with a charitable donation*

If you own stock or mutual fund shares that have increased in value, you will owe tax on the capital gain when you sell them. There is a way, however, to avoid the capital gains tax and help a charitable organization at the same time.

If you donate appreciated securities that you've held long-term (for more than one year) to a qualified charitable organization, you completely avoid the capital gains tax. Nonprofit organizations, such as ours, can sell the securities tax-free while providing you with a charitable deduction on your income taxes for the full fair market value of the asset. The chart below illustrates the effectiveness of donating stock directly to us. If you are considering making a donation of securities, please call us for specific instructions about the easiest way to accomplish the transfer.

	DONATE CASH	SELL SECURITIES; DONATE CASH	DONATE SECURITIES DIRECTLY
Amount of gift	\$10,000	\$10,000	\$10,000
Income tax savings (in a 40% combined federal and state tax bracket)	\$ 4,000	\$ 4,000	\$ 4,000
Federal capital gains tax due (20%)	0	(\$ 1,600)	0
Federal capital gains tax avoided (20%)	0	0	\$ 1,600
<b>Total tax savings</b>	<b>\$ 4,000</b>	<b>\$ 2,400</b>	<b>\$ 5,600</b>

If you would like to receive additional information regarding bequests or other charitable giving plans, please call our office at 225/578-5731, or the LSU Foundation's Planned Giving Office, 225/578-3811. Stephen Harmon, director of Planned Giving, or Russell Greer, legal counsel, will be happy to assist you.



# LOST ALUMNI

## WE NEED YOUR HELP . . .

We are trying to locate past graduates, and we need your help! Please visit the Lost Alumni homepage off the College of Engineering website, [www.eng.lsu.edu/](http://www.eng.lsu.edu/). If you recognize any of your former classmates and can supply us with information, we would greatly appreciate it. We would like to send a copy of Engineering News to all graduates. You may contact us at 225/578-5706, 225/578-4845 (fax), or e-mail [tammy@eng.lsu.edu](mailto:tammy@eng.lsu.edu).



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