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Contributions to the newsletter are always welcome. If you have news that would be of interest to other CEEs or your classmates, please send it to us so it can be included in a future edition.

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Please contact Dr. George Z. Voyiadjis for more details.

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CIVIL AND ENVIRONMENTAL ENGINEERING

Volume 2 Summer Issue

June 2003

CHAMPS AGAIN!

CE Students win Regional Awards and Compete at the National Level

On March 27-29, 2003, the LSU ASCE Student Chapter sent 29 students to participate in the Deep South Regional Conference at Tulane University in New Orleans, LA. The Chapter competed in four of the five competitions: Daniel Mead Paper, Surveying, Steel Bridge, and Concrete Canoe. LSU was one of ten universities to send representatives. The other schools competing were: Arkansas State University, Louisiana Tech, McNeese, Mississippi State, Southern, Tulane, University of Louisiana – Lafayette, University of Mississippi, and University of Tennessee – Martin. LSU received the 1st Place Overall ASCE Chapter award for the second consecutive year.

The first competition was the Daniel Mead Paper. Lynne Roussel represented LSU by submitting a paper titled, "Ethical Engineering Decisions During a Disaster." She took home the 1st place trophy and subsequently submitted her paper to the national competition.

The LSU team in the Surveying competition was Jake Lambert, Zachary Simpson, and Brad Coffman. They started off by pacing and taping distances along the surveying course. Their next step was to run a loop from one benchmark to another making turns on a series of specified points. They calculated and recorded the elevation of the point on which the turn was made. For the last step, the team had to find the interior angle of a traverse that was made by a series of fixed points. After a long day in the sun, the LSU surveying team took home the 1st place trophy.

The Steel Bridge Competition was the third competition of the day. The Steel Bridge team was led by James Gregg and consisted of David Godbold, Kirby Hebert, Geoffrey Wilson, Mike Viviano, Stephen Robert, Ba Nguyen, Patrick Downs, Joey Krefft, and Cayan Oznel. The team first assembled their bridge while being timed by the judges. Any mistake could have cost them a time penalty. Once the judges checked the bridge, the team then loaded the bridge with 2500 lbs at two points and the horizontal deflection was measured. The bridge was judged for aesthetics, weight, construction time, economy, and efficiency. The Steel Bridge Team took home the following awards: 2nd overall bridge, 1st lightweight, 1st aesthetics, and 1st efficiency.



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The Concrete Canoe Competition took place over two days. The team was lead by Adam Smith and involved Lynne Roussel, Rudy Simoneaux, Kyle Murrell, Keith Hoffman, David Godbold, Adrienne Breaux, Elizabeth Baumy, Lisa Rodriguez, Menat Salem, Ba Nguyen, Jason Duhon, Paul Vaught, Dale Husser, Glenn Schexnayder, Andrew Mancuso, and Christopher Bond. The Team submitted a design paper before the competition that explained the design and construction of the *Tiger Torpedo*. On Friday, two of the team members gave a presentation to the judges and answered technical questions. The races took place on Saturday at Bayou St. John in City Park. The canoe was judged for Final Product and the team raced against the other teams. After a long cold and windy day, the team took home the following awards: 1st overall canoe, 1st design paper, 1st oral presentation, 2nd women's slalom, and 3rd men's sprint.



This year's LSU steel bridge team recently competed in nationals in San Diego, CA. They made some improvements between regionals which allowed them to be competitive on a national level. The team improved their assembly time to 2 minutes and 30 seconds. The abutments were lightened and steel was added to the long span to help with the lateral deflection.

A total of 182 schools entered the National Student Steel Bridge Competition. The top two schools from each regional competition were invited to the Nationals. At Nationals LSU placed 13th overall out of 44 schools. The bridge weighed 103 lbs and deflected .86 inches, which placed the team 8th in weight and 8th in efficiency. In aesthetics the judges noticed the detail that was put into the bridge and placed it 12th. Michigan placed first overall, followed by University of Wisconsin Madison and University of Florida. LSU also finished well ahead of Arkansas State, the team that beat them in the regional competition (they finished 21st). The 13th place finish placed LSU in the top 7% of schools that competed nationwide.



On June 19, the Concrete Canoe Team traveled to Philadelphia, Pennsylvania to attend the 16th Annual National Concrete Canoe Competition. This was the first time in eight years that the LSU Concrete Canoe Team competed at the National level.

Approximately 150 teams compete at the Regional level in order to reach the National Competition. Of these teams, only twenty-four schools were invited to the National Concrete Canoe Competition and LSU tied for 19th overall. The University of Wisconsin-Madison, Universite Laval, and University of California Berkeley placed first, second, and third respectively.

Although the team did not place in the top 10, they still managed to receive an award. Due to an accident during the first two days of competition, the canoe accumulated some damages. Instead of giving up, the team made minor repairs to the hull and proceeded to race the canoe. After three races, the canoe was beyond repair. The team consulted with the National Committee Members and decided to try the fourth race. In order to compete, the team decided to remove the damaged half of the hull and race the remaining half. They were given an award for embodying the spirit of the competition by doing everything within their power to compete.



Willson and Wolshon Selected to Advise Student Organizations

Drs. Clint Willson and Brian Wolshon have been selected to serve as Faculty Advisers to the Chi Epsilon Honor Society and the Student Chapter of the American Society of Civil Engineers, respectively. Dr. Wolshon will replace Dr. Mohammad Alawady who retired this year after 34 years of service in the Department. He had served as the Faculty Adviser of ASCE for the past two years. Dr. Wolshon is a graduate of Michigan State University and specializes in Transportation Engineering. He joined the LSU faculty in 1997. In recent years he has been very active in the transportation aspects of hurricane evacuation. For the past three years, he has served as the Faculty Adviser to Chi Epsilon.

Dr. Willson is a graduate of the University of Texas and joined the Department in 1998. His expertise is in the area of water resources engineering. Among his other activities, he is directing a National Science Foundation Research Experience for Undergraduates Summer Program in tomography applications in civil and environmental engineering. As noted above, he replaces Dr. Wolshon in this position.

Dr. John Sansalone will continue to serve as Faculty Adviser to the Student Chapter of the Louisiana Water Environment Association. A graduate of the University of Cincinnati, he joined the Department in 1998. His primary research interest is in urban runoff but he has expertise in environmental and geotechnical engineering. Dr. Sansalone has served the Chapter for the past 3 years.

ALUMNI

The Department of Civil and Environmental Engineering wants to know where life has taken you. Who are you working for and what is your title? Have you received any recognition for your work? Are you working on an especially challenging project?

Please complete the following information and attach any additional comments you may have. Space permitting, we would like to use photos of you, your family or your latest project.

Please e-mail your information with attached photos to kklein6@lsu.edu, fill out an online form at www.cee.lsu.edu/~ceenews, or mail your submission to: Civil and Environmental Engineering, LSU, 3418 CEBA Building, Baton Rouge, LA 70803-6405.

CEE ALUMNI INFORMATION

Name: _____ Degree: _____ Year: _____

Home Address: _____

Home Telephone: _____ Email: _____

Position Title: _____

Firm: _____ Business telephone: _____

Business Address: _____

Your News: _____

Alumni Corner

From 1982 to 1992, **H.W. Bailey** was a partner in SDS of America, Inc., consultants to the international marine construction industry.

David Hebert is currently licensed in Mississippi, Louisiana, and Alabama. He has been working in the Structures Department for Neel-Schaffer's Jackson office for over 6 years. His primary area of concern is bridge design, both concrete and steel.

In March **Eric Heller** finished his MSCE at the University of Washington in Seattle. His thesis was on the determination of the diffusion coefficient for sands for the prediction of enhanced scour on beaches due to tsunamis. He is now working for GeoEngineers in Tacoma, WA. GeoEngineers is a regional geotechnical and environmental firm that works on a variety of projects in the Pacific Northwest.

CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENTAL CAMPAIGN

The Department of Civil and Environmental Engineering is continuing a fundraising campaign to enrich and enhance programs in the department. Your donation will enhance the Departmental Enhancement Fund supporting new initiatives so that we may continue to produce top-quality engineers. Our goal is to build an endowment of \$400,000 and an annual \$50,000 supplement to support the purchase of new lab equipment, computers and software, support of students, and support of faculty activities at professional meetings and conferences. Any amount will be greatly appreciated; however, donors giving \$200 a year for five or more years or over \$1000 initially will receive special recognition in our departmental newsletter and on the Departmental Enhancement Fund plaque displayed in the department. Company matching funds will also be acknowledged. Please consider the CEE department this year in your annual giving.

DONOR INFORMATION: (please check)

– \$10,000 or more – \$5,000 to \$9,999 – \$1,000 to \$4,999
– \$500 or more – \$200 to \$499 – Less than \$200

I pledge \$_____ per year for the next _____ years to the CEE Departmental Enhancement Fund for a total of \$_____.

Please make your checks payable to the "LSU Foundation" and note 'for CEE Enhancement Fund'.

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FAX NUMBER: _____ E-MAIL: _____

GRADUATION DATE: _____ DEGREE: _____

EMPLOYER: _____

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Louisiana State University
3418 CEBA Building
Baton Rouge, LA 70803-6405

You will be contacted by our development coordinator to confirm your pledge and support.

THANK YOU

Message from the Chairman

**Dr. George Z. Voyiadjis, Boyd Professor,
Chairman and Bingham C. Stewart Distinguished Professor**

Several activities have been taking place in the Department to strengthen the undergraduate programs in Civil and Environmental Engineering. These efforts have included strengthening the Faculty, reexamining the curriculum, preparing for an ABET visit, and encouraging students to participate in regional and national competitions.

During the last two years eight additional faculty members joined our Department while two senior faculty members retired. Included among the eight are three new faculty members, two in water resources, and one in structural engineering, who will arrive for the Fall 2003 semester.

The faculty proposed several revisions in the curricula of our two programs, Civil Engineering, and Environmental Engineering, to strengthen design experiences, enhance teaching of statistics and computational methods, while trying to conform to the national trends in reducing the number of credit hours required for graduation. The faculty is looking forward to the visit of the ABET team in September 2003. This visit, which comes at least every six years, has been the motivator for many of the reassessments of curricula and reexamination of departmental activities.

Last academic year our students were encouraged to participate in regional activities which could lead to national competitions. Among the successes were the Concrete Canoe Team and the Steel Bridge Team. Students also competed nationally in Environmental Engineering design events.



Virtual Design Office

A grant of \$31,200 from the Student Technology Fee Program is going to be used to upgrade the Germano Classroom (CEBA 2412) from its present state to a multimedia 'virtual design office'. The term 'virtual' is used because instead of having all design facilities within the room, they will be accessed wirelessly through an antenna linked to a server within the Germano Computer Lab across the hall. Thus, students will be able to access software and prepare their designs any time 24 hours of the day and 7 days a week.

The room will include a roof-mounted wireless LCD projector which students can access from their wireless computers and use to display their designs or make presentations. Seating for approximately 50 people will be provided with power outlets at each seat to facilitate prolonged use of a laptop at these locations. Users will be able to access software within the Germano Computer Lab as well as the general network. At the back of the room, a computer station will be erected to accommodate up to eight students working either in groups or independently. A conference table seating ten people will also be provided where group discussions or meetings can be conducted.

"The whole idea is to provide round-the-clock accessibility to users through wireless access," said Wilmot, an Associate Professor in the Department of Civil and Environmental Engineering. Ultimately, students with their own laptops having wireless cards will provide a secure and low-maintenance operation. In the mean time, wireless cards have been purchased which can be checked out by those students with their own laptops but no wireless card, and laptops with wireless cards will also be available to be checked out on a short-term basis to those students without a laptop. "We also plan to spruce the room up a bit as well," said Wilmot, "and we hope to get as much done this summer as possible."

Accreditation Visit Slated for Fall 2003

The Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET) will send a team of Program Evaluators to the College of Engineering in Fall 2003 to evaluate all undergraduate engineering programs for reaccreditation. Within the Department of Civil and Environmental Engineering, the programs in both civil engineering and environmental engineering will be evaluated.

Over the past three years, the Department has implemented a Continual Improvement Process for its undergraduate programs. A key component in the implementation of this process has been close liaison between the Civil Engineering Undergraduate Program and the Environmental Undergraduate Program Committees and engineering professionals serving on the Civil Engineering Program Advisory Committee (CPAC) and the Environmental Engineering Program Advisory Committee (EPAC).

Over the past year, the Department has been engaged in a comprehensive self study process that culminated in the publication of reports transmitted to ABET. At the time of the visit, examples of student work will be on display for inspection by the Evaluator. It is also anticipated that the Evaluator will conduct interviews with the faculty and the students and inspect the instructional facilities. Official notification of the action of ABET as a result of the visit will not be available until Fall 2004.

Second Call to Participate in Alumni and Employer Surveys

As an important part of our Continual Improvement Process, the Department is conducting a web-based survey of alumni and employers. The objectives of the surveys are to assess and evaluate our undergraduate programs and the performance of our graduates; gather information that can be used to document the professional development of our graduates; and identify the need to strengthen our curricula. This information is a vital part of our preparation for the Accreditation Board for Engineering and Technology visit scheduled for Fall 2003.

As a possible alumnus of either our civil engineering or environmental engineering, you are asked to participate in this important activity. Completion of the survey will probably take no more than 15 minutes of your time and be of invaluable service to the Department. To complete the survey, access the following site, complete the survey form, and click the submit button. You will note the survey form consists of common Background and Evaluation of Undergraduate Programs sections, followed by separate sections for Civil Engineering and Environmental Engineering. If you are a civil engineering alumnus, complete the civil engineering section only. If you are an environmental engineering alumnus, complete that section only.

http://www.cae.lsu.edu/ss/wsb.dll/rseals/cee_alumni_survey.htm

Your information will be treated as confidential.

If you now employ LSU civil engineering or environmental engineering graduates that graduated within the past six years, we ask that you help us by completing the Employer Survey Form available at:

http://www.cae.lsu.edu/ss/wsb.dll/rseals/cee_employer_survey.htm

Again, your information will be treated as confidential.

If you have any questions about this matter or have any difficulty in completing the survey, please contact Karyn Klein at kklein6@lsu.edu. Your timely response to this call will be greatly appreciated.

ALUMNI AND PRACTITIONER INVOLVEMENT REGISTRIES INITIATED

Two web based registries have been developed to provide a better link between the Department and its alumni and to solicit practitioner involvement in the undergraduate program.

Specifically, the Alumni Registry was developed with the following objectives in mind.

- Collect data that will assist the Department in its Continual Improvement Process as required for the reaccreditation of its undergraduate programs in Civil Engineering and Environmental Engineering.
- Provide a means to update the mailing list for our quarterly newsletter.
- Provide a means that will allow former classmates an opportunity to have a "virtual reunion".

The Alumni Registry can be accessed at www.cee.lsu.edu/~ceeupo. Please help us by completing the form on the webpage. It will take you no more than 10 minutes to complete and submit the form.

The Practitioner Involvement Registry is a means to volunteer your services to enhance our undergraduate programs in Civil Engineering and Environmental engineering. Our main goal is to improve the understanding and exposure of our undergraduate students to professional practice issues. We hope to achieve this goal by increased practitioner involvement in our programs. Irrespective of where you received your degree, we solicit your involvement in this program. There are several ways you might assist the Department. For example:

- As a guest lecturer in a class or student chapter meeting
- As a field trip sponsor
- As a design project panel evaluator
- As a professional mentor

Your contributions will greatly enhance our undergraduate programs and make invaluable contributions to the education of our students. The Professional Involvement Registry can be accessed at www.cee.lsu.edu/~ceeupo. Please help us by completing the form on the webpage. It will take you no more than 10 minutes to complete and submit the form.

If you have any questions about either of the registries, contact Karyn Klein at kklein6@lsu.edu.

Jennifer Aguetant
Misty Daigle
Jennifer deHay
Nicole Harris
Ba Nguyen
Amy Grove
Sarah Hunt
Rob Stacey

LSU
LSU
LSU
Southern University
LSU
Cornell University
Washington State University
University of Vermont

Fratta
Fratta/Wang
Fratta
Wang
Wang
Willson
Willson
Willson

Faculty Awards and Recognition



Dr. David Constant, P.E., received a Tiger Athletic Foundation Undergraduate Teaching Award which recognizes outstanding teaching in the classroom.

Dr. Dante Fratta was given the COE Outstanding Faculty Instruction Award. This award recognizes outstanding performance in undergraduate or graduate instruction in the College of Engineering. Criteria considered include classroom or laboratory teaching, course and curricula development, developing and implementing new teaching methodology, and authoring widely used textbooks.



Dr. Sherif Ishak received an REU award of \$12,000 from the National Science Foundation to support undergraduate students in research. The title of the award is "NSF/USDOT ICSST: Exploring New Traffic Characteristics and Performance Measures Using Feature Extraction and Texture Characterization of Spatiotemporal Traffic Contour Maps."

Dr. Roger K. Seals, P.E., was recognized as a Life Member of the American Society of Civil Engineers, effective January 1, 2003.



Dr. Roger K. Seals, P.E., was recognized as the Outstanding Faculty Member, 2002-2003, by the Student Chapter of the American Society of Civil Engineers.

Seals Accepts Appointment at the National Science Foundation

Dr. Roger K. Seals, P.E. has accepted an appointment at the National Science Foundation under the Interagency Personnel Act (IPA), effective July 1, 2003. Dr. Seals will be a Program Director in the Division of Undergraduate Education (DUE) which is a part of the Directorate for Human Resources and Education. He will be located in Arlington, Virginia, during the period of his two year appointment.

During his tenure at NSF, Dr. Seals will maintain his affiliation with LSU and continue to participate in ongoing research activities. He relinquishes his position as Coordinator of Undergraduate Programs to Dr. John B. Metcalf.

Metcalf Assumes Reigns of CEE Undergraduate Programs Office

Dr. John B. Metcalf will assume the position, Coordinator of the Undergraduate Programs Office, vacated when Dr. Roger K. Seals accepted an appointment at the National Science Foundation. Dr. Metcalf has been active in undergraduate program affairs over the past three years, serving as Chairman of the Civil Engineering Undergraduate Program Committee.

Dr. Metcalf, the Freeport McMoRan Endowed Professor, joined the Department in 1982 after serving more than 30 years in various posts with a variety of transportation agencies in Australia. His final post prior to joining LSU was as Deputy Director of the Australian Road Research Board. At LSU, he was initially affiliated with the Institute for Recyclable Materials and has been active in pavements related research. Nationally, Dr. Metcalf serves as Chairman of the Mechanical and Chemical Stabilization Committee of the Transportation Research Board and has served on a number of National Cooperative Highway research project panels.

A native of the United Kingdom and an active participant in technology transfer activities worldwide for much of his career, Dr. Metcalf brings a truly international perspective to his new post as the Undergraduate Programs Coordinator.

Lisa Rodriguez Receives Two Awards

Ms. Lisa Rodriguez, a May 2003 civil engineering graduate, was honored by two awards. She was the first recipient of the College of Engineering Good Ambassador Award. This award is given to an undergraduate student that has demonstrated outstanding achievement in leadership, service, and scholarship with equal importance imparted to each area. Lisa was well deserving of this award having served as the President of the Student Chapter of the American Society of Civil Engineers, actively participated as a member of the Concrete Canoe Team, and engaged in service activities including Habitat for Humanity. In addition, she was a Cum Laude honor graduate.

Lisa was also honored by the Baton Rouge Branch of ASCE with the Distinguished Civil Engineering Senior Student Award. These awards are made to students who have made contributions to the civil engineering profession through leadership and service activities as well as through academic excellence.

Lisa is a native of Mandeville, LA, and a graduate from Mount Carmel Academy High School. Her parents are Mr. & Mrs. Daniel Rodriguez of Mandeville, LA. Lisa is currently an Engineer Intern at Evans-Graves Engineers of Baton Rouge.

Chancellor's Alumni Scholarship Recipients includes CE Student

The Chancellor's Alumni Scholarship is a prestigious scholarship awarded to a select group of incoming freshmen for LSU. For the 2002-2003 freshmen class, Civil Engineering student Bryan Beyer was among one of this elite few. Recipients of the scholarship must score at least 1460 on the SAT or at least 33 on the ACT. They must also have a 3.5 grade point average in high school. A selection committee invites candidates to apply for the scholarship, and the 25 best applicants then compete through written essays and on-campus interviews. Only ten Chancellor's Alumni Scholarships were awarded for the 2002-2003 year.

Bryan Beyer of Slidell, LA was chosen as the Fred H. Fenn Scholar among the recipients. Bryan graduated fifth in a class of 330 students at Northshore High School of Slidell. He was president of the Slidell International Youth Association and was also a member of the Beta Club and the National Honor Society. As a freshman at LSU, Bryan is a member of the student chapter of the American Society of Civil Engineers and participates in the Chancellor's Future Leaders in Research Program. After graduation, Bryan hopes to enter the Navy in a program that would pay for a graduate education in engineering.

Six LSU Students Receive the Asphalt Technology Scholarships Sponsored by the NAPA Research and Education Foundation and the Louisiana Asphalt Pavement Association

Six civil engineering students were named the recipients of the 2002-2003 Louisiana Asphalt Technology Scholarships at LSU. The recipients were Jessica Ann Dalton, Kenneth Joseph Krefft, Jr, Michael John Moran, Sarah Nicole Paul, Zachary Wayne Simpson, and Paige Elizabeth Tarver. These scholarships were sponsored by Barriere Construction Company, R. E. Heidt Construction Company, Costal Contractors Company, and Asphalt Products Unlimited.

This Scholarship Program was developed in an effort to encourage young men and women to choose HMA technology courses as a part of their curriculum. An example of partnership among academia, government and industry, this scholarship is intended to not only benefit the HMA industry by providing a trained workforce in HMA technology but also benefits the individuals who choose careers in public sector at the federal, state, or municipal levels.



The scholarships, each \$2000, are presented yearly to college sophomores or juniors who are U. S. citizens and already enrolled in a full time civil engineering curriculum. To be eligible for the scholarship, the students must take at least one course on HMA technology at the university. It was through the efforts of Dr. Louay Mohammad, Associate Professor of civil and environmental engineering and Director of LTRC's Engineering Materials Characterization Research Facility, that the scholarship was brought to LSU.

Top Row, Left to Right: Michael Moran, Zachary Simpson, Kenneth Krefft, Jr
Bottom Row, Left to Right: Sarah Paul, Paige Tarver, Jessica Dalton

Research Experience for Undergraduates

For the third summer, the Department is sponsoring a Research Experience for Undergraduates Program in Tomography Applications in Civil and Environmental Engineering. The eight week program sponsored by the National Science Foundation pairs undergraduate students with faculty members on research projects in selected areas of tomography. This summer eleven students are participating, along with Drs. Alshibli, Fratta, Sansalone, Wang, and Willson of the Department. Student participants include:

Name	Affiliation	Faculty Advisor
Samuel Boggan	Southern University	Alshibli/Sansalone
David Godbold	LSU	Alshibli
Vida Sharafkhani	LSU	Alshibli

American Society of Civil Engineers

In April, the LSU ASCE Student Chapter held its Annual Spring Banquet at Drusilla's Seafood Restaurant. During the banquet, Dr. Voyiadjis handed out approximately ten department scholarships. The Outstanding ASCE awards were handed out, and the new officers were installed. The members nominated and voted on these awards based on involvement and dedication to the LSU ASCE Student Chapter. The award recipients were Dr. Roger Seals – Outstanding Teacher, Lynne Roussel – Outstanding Senior, and David Godbold – Outstanding Underclassman.

The new officers installed were:

Kyle Murrell – President	Josh Schexnayder – Intramural Sports
David Godbold – Vice-President	Bryan Klibert – Meeting Coordinator
Elizabeth Bauma – Secretary	David Goldbold and Patrick Downs – Steel Bridge Co-Chairs
Mike Viviano – Treasurer	Ba Nguyen and Kyle Murrell – Concrete Canoe Co-Chairs

The new officers are looking forward to the fall semester in hopes to start a winning tradition with the Steel Bridge, Concrete Canoe, Daniel Mead Paper, and Surveying Team.

2003 Chi Epsilon Initiation

The LSU chapter of the Chi Epsilon civil engineering honor society continued to build on their prior accomplishments. Under the leadership of outgoing president Sarah Paul, Chi Epsilon held their most successful fundraiser to date and involved it membership in a public service project. In May a class of 15 new members was initiated, including for the first time, students from the environmental engineering program.

The 2003 – 2004 LSU Chi Epsilon officers are:

Kaye Lewis, President	Brooke Mourain, Treasurer
Angie Montagnet, Vice President	Denis Hoerner, Editor
Rene Dauterive, Secretary	Adam Delouche, Marshall

The remaining 2003-2004 initiates include:

Amy Attardo	Mandy Foreman	Amanda Ham	Calvin Landry
Daniel Blanchard	Nicholas Fruge	Kristy Henry	Kaye Lewis
John Catalonotto	David Golbold	Denis Hoerner	Natalie Magill

The 2002 – 2003 school year also marks the end of Dr. Brian Wolshon's tenure as chapter faculty advisor. After 4 years, he will serve as the ASCE Student Chapter faculty advisor, turning over his XE responsibilities to Dr. Clint Willson. Congratulations to all who have made, and will continue to make, the LSU Chi Epsilon Chapter a success. Anyone interested in contacting the organization may do so at LSUChiEpsilon@hotmail.com.



Chi Epsilon Officers



Chi Epsilon Members



Chi Epsilon Initiates

2002-2003 Graduation Class

A total of 54 students received BS degrees from the Department – 46 in civil engineering and 8 in environmental engineering – in the August 2002, December 2002, and May 2003 Commencement Ceremonies. Each student received their diploma at a ceremony conducted by the College immediately following the University Commencement. Following the College Ceremony, the students and their families were treated to a luncheon by the Department in the Germano Center.

Students receiving University Honors for outstanding academic performance in their undergraduate studies included:

Gerard P. Doyle, Civil Engineering, Summa Cum Laude
 Cayan Oznel, Civil Engineering, Magna Cum Laude
 Paul T. Vaught, III, Civil Engineering, Magna Cum Laude
 Gerald M. Pekmezi, Civil Engineering, Cum Laude
 Stephen D. Robert, Civil Engineering, Cum Laude
 Lisa C. Rodriguez, Civil Engineering, Cum Laude

The Department is justly proud of these students for their outstanding academic records.

Surveys conducted at the diploma ceremonies indicated that of the six environmental engineering graduates responding, five had accepted engineering positions. One student, Andrea Turriciano, planned to attend LSU Graduate School. Those accepting engineering positions were as follows:

Cedrick Brown	Total Environmental Solutions, Inc.
Tracy Fazio	ERM
Mandy Foreman	USGS
Brian Hazlip	Forte and Tablada, Inc.
Cy Toups	T. Baker Smith & Son, Inc.

Of the 37 civil engineering graduates responding, 28 had accepted engineering positions. Nine graduates planned to pursue post graduate studies. Those accepting engineering positions were as follows:

Daniel Baker	The Shaw Group
Christopher Bond	Sigma Consulting Group
Jonathon Fox	ABMB Engineers, Inc.
Lance Decuir	Florida Dept. of Transportation
Nathan Douglas	Superior Steel
Gerard Doyle	Modjeski and Masters
Jason Flory	ERM-SW
Sam Gassiott	Pan American Engineers
Taylor Gravois	Duplantis Design Group
Melanie Grigsby	LADOTD
Jeffrey Hooper	LADOTD
Jake Lambert	Larry J. Picciola & Assoc.
Melanie Lestell	USACE
David Lovett	US Army Corps of Engineers
Andrew Mancuso	New Offshore
Kristy May	Hensel Phelps
David Miller	Ferris Engineering
Michael Moran	LADOTD
Gerald Pekmezi	Ragland, Aderman & Assoc.
Brady Richard	City of Baton Rouge
James Richardson	LADOTD
Lisa Rodriguez	Evans-Graves Engineers
Blake Roussel	LADOTD
Glenn Schexnayder, Jr.	Boh Bros. Construction Co., LLC
John Schexnayder	Hartman Engineering
Adam Smith	Owen and White
Brian Smith	Justice and Huang Engineers
Paul Vaught, III	LADOTD

Those planning to attend graduate school were as follows:

Jonathan Clement	Loyola Law School
Joaquin de Mari	University of Puerto Rico
James Gregg	LSU
Jeffrey Hines	University of Illinois
Keith Hoffman	LSU
David Lewis	North Carolina State
Cayan Oznel	LSU
Sarah Paul	LSU
Lynne Roussel	LSU



Students Participate in International Environmental Design Contest



For each of the past six years, environmental engineering students from LSU's Civil and Environmental Engineering department have competed in the International Environmental Design Contest. This year the competition was held on April 6-10 in Las Cruces, New Mexico and was host to 28 university teams. The contest, in its thirteenth year, is sponsored by the US Department of Energy.

The LSU team, advised by Dr. David Constant, P.E., was comprised of five seniors, all of whom were required to be taking the capstone design sequence of the CEE curriculum. Participants were involved in multi-task tracks of competition; all teams are judged on the basis of a paper, due in March, prior to competition; Bench-scale presentations; and poster presentations. Although disqualified because their presentation ran overtime, LSU's team was praised with positive comments about the high quality of their work.



In 2002, LSU was awarded second place for design of separation technologies for treatment of explosive-laden soil, and first place for the removal of uranium from drinking water. LSU was also recipient of the 2002 Duratek Federal Services Award for Waste Management, an overall award. In 2000, LSU won a first place task award, and in 2001, Dr. Constant was named outstanding advisor.

This year's design team members were Melanie Auzenne, Danielle Blanchard, Mandy Foreman, Heather Mall, and Summer Vernon.



Alawady Retires

by Dr. Rick Avent

Dr. Mohamed Alawady retired this year after 34 years of service to the students of LSU. After receiving his BSCE degree from Cairo University in 1960, he began his career as a structural engineer in Egypt and other middle eastern countries. He decided to pursue graduate studies in the United States at the University of Oklahoma. Knowing relatively little about American universities, he chose Oklahoma because of its central location in the country. He completed his Ph.D. in 1968 and taught at Southern University for one year while serving as the Chairman of the Department of Civil Engineering. He accepted a faculty position at LSU in 1969 where he taught water resources engineering ever since.

Over the years, Dr. Alawady conducted research related to hydrological modeling and related areas as well as serving in administrative positions within the Civil and Environmental Engineering Department. However, he was best known as an outstanding teacher. He has received numerous teaching awards including: a number of Outstanding Faculty Member awards from Chi Epsilon and the Student Chapter of ASCE, Teacher of the Year and Educator of the Year from the Civil and Environmental Engineering Department, an LSU Faculty award from the Student Government Association, the Dean's Teaching Award from the College of Engineering, and a Tiger Athletic Foundation Teaching award from the University. He has also received the Louisiana Engineering Foundation Engineering Faculty Professionalism award and is a Life Member of ASCE.

Dr. Alawady was known for his interest in students. He was the department's academic advisor for many years and served as the faculty advisor to the ASCE Student Chapter. His influence on students was sometimes dramatic. During my nine years as Department Chairman, I received a number of calls and notes praising Dr. Alawady. Some came from students and some from parents. In each case, Dr. Alawady was credited with providing the guidance, direction and inspiration without which these students would have never finished their degrees. During meetings with former students, I have often inquired as to who were their favorite professors. Dr. Alawady's name seemed to be mentioned in almost every case.

Dr. Alawady has had a profound influence on LSU students for over 30 years. We wish him success and long life in his retirement. He will be missed.