

# Louisiana

# Engineer & Surveyor

# Journal

May 2012

Vol. 15 No. 2

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**Alan D. Krouse, PE**

**2012-2013 LOUISIANA ENGINEERING SOCIETY PRESIDENT**



# Louisiana Engineering Society

9643 Brookline Avenue, Suite 116, Baton Rouge, LA 70809-1488

Telephone: (225) 924-2021, Fax: (225) 924-2049

E-mail: [les@les-state.org](mailto:les@les-state.org)

Website: <http://www.les-state.org>



# American Council of Engineering Companies of Louisiana

9643 Brookline Avenue, Suite 112, Baton Rouge, LA 70809-1488

Telephone: (225) 927-7704, Fax: (225) 927-7779

E-mail: [acecl@acecl.org](mailto:acecl@acecl.org)



# Louisiana Professional Engineering and Land Surveying Board

9643 Brookline Avenue, Suite 121, Baton Rouge, LA 70809-1488

Telephone: (225) 925-6291, Fax: (225) 925-6292

Website: [www.lapels.com](http://www.lapels.com)



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- 2) All ads must be prepaid. Advertisements with payment should be sent to LES by the 15th of the month preceding month of issue.
- 3) Published quarterly, February, May, August and November.

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# MESSAGE FROM THE CHAIRMAN

**Norma Jean Mattei, PE, Ph. D., FASCE**



**Norma Jean Mattei, PE, Ph. D., FASCE**  
*Chairman*

**H**ello! It is that time of year – the members of the Board are changing. I am excited and honored to have the privilege of now serving as Chairman of the Board. Many thanks go to our outgoing Board members, Tim Allen, PLS. (2003-2012) and Roger Danzy PE (2006-2012). I will miss working with these two fine gentlemen and applaud them their years of service to the profession and dedication in protecting and safeguarding the health, safety and welfare of the public. We have not yet been notified of the names of the two professionals who will be replacing Mr. Allen and Mr. Danzy. We are awaiting word from the Governor's office in regard to those two appointments. Recently, the Board instituted an Ad Hoc PLS Licensure/Educational Requirements Committee to study changes to the requirements for professional licensure in land surveying. This committee is comprised of Steven Flynn PLS and David Patterson PLS, representing LSPS, and Emeritus LAPELS Board members Sonny Launey PE and Ken McManis PE I would like to thank these gentlemen in advance for their service on this committee.

With the implementation of Computer Based Testing (CBT) by NCEES looming in 2014, CBT changes will impact students now in school. In January of 2014, the Fundamentals of Engineering (FE) and Fundamentals of Surveying (FS) exams will be offered solely on computer. Traditional pencil-and-paper FE and FS exams will be retired. All examinees will complete their exams at their local Pearson VUE testing center. There is a Pearson VUE testing center in Metairie (New Orleans), Baton Rouge and Shreveport. Some of the reasons for converting the exams to a computer-based format are to allow more uniformity in testing conditions, and enhanced security for exam content. Of interest to potential applicants is that CBT will allow greater flexibility in scheduling for candidates.

As of now, the transition to CBT in 2014 involves only the FE and FS exams. The Professional Engineering exam (PE) and Professional Surveying exam (PS) may transition to CBT sometime in the future. NCEES committees are currently researching the feasibility of doing so. Applicants who are approved to take the FE or FS exams will be required to pay the \$250.00 exam fee directly to NCEES as part of the online exam registration process. According to NCEES, nearly 50,000 examinees took the FE exam during the 2010-11 academic year, which included October and April administrations. The Board is concerned that in moving to CBT, NCEES's doubling of the exams administrative fees and the more limited exam location sites will discourage future engineers and land surveyors from taking the FE and FS exams and pursuing licensure.

A few Board members and staff now serve on NCEES's committees and task forces. Ms. Donna Sentell, the Board's Executive Director, chaired a task force that looked at foreign exam administration. One of the charges to this task force was to evaluate the application process for applicants who have taken NCEES exams administered in foreign countries. NCEES exams are currently offered in Canada, Egypt, the Emirate of Sharjah, Japan, Saudi Arabia, South Korea, and Turkey. Several other countries

may be added to this list at the 2012 annual meeting in St. Louis. This topic is a controversial one; many boards have already received applications from examinees who have taken exams in foreign countries but have never been to the U.S. or have any U.S. experience. These foreign applicants often have no or limited knowledge of U.S. business practices, standards, and building codes. The Board is keeping a watchful eye on this issue and how it may impact the public it serves.

I am chairing the NCEES Education Task Force. This task force had six charges. The charge of most interest to Louisiana licensees is one that resulted in the task force recommending that the new standing Education Committee be charged with the study of comity of Continuing Professional Development (CPD) hours. The committee thought it was important that it be less onerous for licensees of more than one jurisdiction with continuing education requirements to acquire their CPD hours.

As Past Chairman of the Board Ali Mustapha mentioned in his last article, the many of violations of Board's laws and rules involve practice under an expired license. Often the reason for this type of violation is either the registrant forgets to renew their license or did not receive a renewal notice because of a change of address since the last renewal. Don't let this happen to you. Visit the Board's website at [www.lapels.com](http://www.lapels.com) and review the status of your license(s) and profile to ensure that the contact information on file is current. It only takes a few minutes and the risk that you will practice under an expired license will be much reduced.

In my next article I will hopefully be able to welcome aboard our two newest Board members. I also plan to report the outcome of pending legislation of interest to our licensees after the state's legislative session ends in early June. This session has already been a very busy one, with several proposed bills either directly or indirectly impacting licensure or the professions of engineering and land surveying.



*LAPELS Board members – past and present - (l-r) Ali Mustapha, Ted Thompson, Bobby Price, Kevin Crosby and Billy Moore. All are former LES presidents.*



# DISCIPLINARY AND ENFORCEMENT ACTIONS

Justin Owens, Compliance Investigator



**Justin Owens**  
*Compliance Investigator*

Section 2505(F) of the Board's rules allows firms to offer and/or provide a combination of engineering and construction services in connection with a design-build project in Louisiana without obtaining a firm license from the Board, provided that the firm obtains an authorization certificate from the Board prior to the execution of the contract for the project. The authorization certificate may be obtained from the Board by submitting a completed *Application for Design/Build Firm Authorization Certificate*. The application may be downloaded from the "Firms – Applications & Forms" section of the Board's website.

Some of the information that must be provided on the application includes (a) the name and signature of the professional of record, who must be professional engineer with a Louisiana professional engineer license in "Active" status, (b) the name and signature of an officer of the firm, (c) the name of the project owner (d) the name and location of the project and (e) a description of the professional of record's role in the project.

Any firm which offers and/or provides a combination of engineering and construction services in connection with a design-build project in Louisiana without first obtaining from the Board either an authorization certificate or an engineering firm license would be in violation of La. R.S. 37:681, La. R.S. 37:700(A)(1), (7) and/or (9) and/or LAC Title 46:LXI§2301(B)(1).

The Board continues to investigate alleged violations of the laws and rules which regulate the practice of engineering and land surveying in Louisiana. Substantiated violations result in disciplinary or enforcement action being taken either through a Consent Order or by Board Decision following a formal hearing at which the respondent is adjudged guilty of one or more violations. Below is a summary of the disciplinary/enforcement actions taken by the Board since the previous issue of the Journal.

## **CRIMINAL CONVICTION:**

Jeffrey J. Loup, PE, a licensed engineer (PE-31277), was subject to disciplinary action by the Board for being convicted of a felony under the laws of the State of Louisiana in violation of La. R.S. 37:698(A)(3). Mr. Loup was convicted of the felony of attempted manslaughter under La. R.S. 14:27 and 14:31. Mr. Loup has entered into a Consent Order with the Board, wherein he admitted to violations of the above law and agreed to the suspension of his Louisiana professional

engineer license for one year; to pay administrative costs of \$2,024.85; to successfully complete the Board's online Louisiana Laws and Rules Quiz; to successfully complete the Board's online Louisiana Professionalism and Ethics Quiz; to submit to the Board updated violence risk assessments twice during the suspension period; to pay a fine of \$2,000, to an additional one-year suspension of his license and to submit two additional updated violence risk assessments, if either of the assessments during the suspension period show a higher risk for violence perpetration; to the automatic and immediate revocation of his license, if either of the assessments during any additional suspension period show a higher risk for violence perpetration; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

## **MULTIPLE LAWS AND/OR RULES VIOLATIONS:**

Beaudette Consulting Engineers, Incorporated, an unlicensed firm which subsequently became licensed effective January 13, 2011 (EF-4728), was subject to enforcement action by the Board for (a) practicing and/or offering to practice engineering and using the words "engineer", "engineering" or any modification or derivative thereof in a person's name or form of business or activity in Louisiana without proper licensure in violation of La. R.S. 37:681 and 37:700(A)(1), (7) and (9), *to wit* LAC Title 46:LXI§2301(B)(1) and (b) falsely claiming that a person is licensed as a professional engineering firm in Louisiana in violation of La. R.S. 37:700(A)(8). Between 2007 and 2010 the firm (a) practiced and/or offered to practice engineering and used a modification of the word "engineer" in its name or form of business or activity in Louisiana without proper licensure and (b) represented on its website that it was licensed as a professional engineering firm in Louisiana. The firm has entered into a Consent Order with the Board, wherein it admitted to the violations of the above laws and rule and agreed to pay a fine of \$2,500; to pay administrative costs of \$773.28; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

## **UNLICENSED OFFER AND/OR PRACTICE OF ENGINEERING:**

CBC Engineers & Associates LTD. L L C, an unlicensed firm which subsequently became licensed effective June 9, 2011 (EF-4840), was subject to enforcement action by the Board for practicing and/or offering to practice engineering and using the word “engineer”, “engineering” or any modification or derivative thereof in a person’s name or form of business or activity in Louisiana without proper licensure in violation of La. R.S. 37:681 and 37:700(A)(1), (7) and (9), *to wit* LAC Title 46:LXI§2301(B)(1). From 1999 to 2010 the firm practiced and/or offered to practice engineering and used the word “engineers” in its name and in conjunction with its business in Louisiana without proper licensure. The firm has entered into a Consent Order with the Board, wherein it admitted to the violations of the above laws and rule and agreed to pay a fine of \$2,500; to pay administrative costs of \$521.39; and to the publication of the Consent Order on the Board’s website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

## **AIDING OR ASSISTING ANOTHER PERSON IN VIOLATING LAWS/RULES OF THE BOARD:**

Matthew J. Schmidt, PE, a licensed engineer (PE-32933), was subject to disciplinary action by the Board for aiding or assisting another person in violating the laws and/or rules of the Board in violation of La. R.S. 37:698(A)(12). Between 2007 and 2010 Mr. Schmidt aided or assisted Beaudette Consulting Engineers, Incorporated in (a) practicing and/or offering to practice engineering and using the words “engineer”, “engineering” or any modification or derivative thereof in a person’s name or form of business or activity in Louisiana without proper licensure and (b) falsely claiming that a person is licensed as a professional engineering firm in Louisiana. Mr. Schmidt has entered into a Consent Order with the Board, wherein he admitted to the violations of the above law and agreed to pay a fine of \$1,000; to pay administrative costs of \$773.28; to successfully complete the Board’s online

Louisiana Laws and Rules Quiz; to successfully complete the Board’s online Louisiana Professionalism and Ethics Quiz; and to the publication of the Consent Order on the Board’s website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

## **MINIMUM STANDARDS VIOLATIONS:**

A licensed land surveyor was subject to disciplinary action by the Board for failing to comply with the Board’s minimum standards for property boundary surveys in violation of La. R.S. 37:698(A)(6), *to wit* LAC Title 46:LXI§2907(C), §2907(E) (3)(f), §2907(F)(6), §2907(G)(7)(c), §2907(G)(9), §2907(G)(13) and §2909. In 2011 the individual performed a survey and prepared, signed, sealed and issued a survey plat for property located in Louisiana in which (a) one corner was not shown on the plat as monumented, (b) the plat indicated that the survey was performed “based solely on occupational evidence”, (c) the fence at the northeast corner of the tract was not depicted on the plat, (d) there was an insufficient basis of bearings on the plat, (e) the plat did not distinguish between “called” and “found” bearings, (f) there was an insufficient tie to the point of commencement on the plat and (g) the acreage was not shown on the plat. The individual has entered into a Consent Order with the Board, wherein he admitted to the violations of the above law and rules and agreed to pay a fine of \$500; to pay administrative costs of \$727.46; to correct the minimum standards violations on a revised survey plat (including properly monumenting all property corners), provide the revised survey plat to the Board for review, provide the revised survey plat to his clients after Board review and provide satisfactory evidence of the accomplishment of these requirements to the Board; to successfully complete the Board’s online Louisiana Minimum Standards Quiz; to successfully complete the Board’s online Louisiana Professionalism and Ethics Quiz; and to the publication of the Consent Order on the Board’s website and the printing of a summary of this matter without name in this publication.

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*Executive Director*

Victoria Hatton  
*Director of Enforcement*

Justin Owens  
*Compliance Investigator*

Tyson Ducote  
*Compliance Investigator*

# FROM THE EXECUTIVE SECRETARY

Donna D. Sentell, Executive Director



Donna D. Sentell  
Executive Director

As I write this article, we have just completed the April exam administration and LAPELS had more than 800 candidates register to take the intern and professional exams at five locations around the state. Many of the candidates taking the exam in April were approved with less than four years of experience. As you recall, the Board changed this requirement to allow applicants to take the professional exams with three years and four months of experience at the time of application. Candidates who achieve a passing score and were approved with less than four years of experience will be asked to update their experience for Board review before being licensed. You will be sent the appropriate forms to complete once we receive the exam scores and we anticipate scores will be released by the end of June.

Currently, we are receiving applications for the October 2012 exam administration. Those applying for the October exam are encouraged to send in their applications now. Complete applications are worked in the order received and those received after the June 1 deadline will be worked for the April 2013 exam administration.

We continue to see an increase in the number of candidates applying the Fundamentals of Engineering exams and we have started the discussions with all of the schools and undergraduates enrolled in engineering and surveying programs about the conversion in January 2014 to Computer Based Testing for the FE and FS exams. As we prepare for this exam change, we are reviewing our laws and rules and internal

policies concerning the application process and will share any changes in future publications of the Louisiana Engineer and Surveyor Journal, on our website and Facebook page.

Speaking of change, the Board has approved and updated the Compendium of Louisiana and Federal Laws relating to Land Surveying and a link to this document can be found on the LAPELS website at: [http://www.lapels.com/docs/Compendium/ls\\_comp\\_0909.pdf](http://www.lapels.com/docs/Compendium/ls_comp_0909.pdf)

In this section of the journal, you will see a list of newly licensed interns, professional and firms. Congratulations to all of you. A second list indicates more than 300 individuals and firms with licenses that have expired as of September 30, 2011. Please review this list and if you see incorrect information, contact us as [comments@lapels.com](mailto:comments@lapels.com)

We are waiting to hear from the Governor's office about two new appointments to the LAPELS Board. We're looking forward to meeting and working with these new members, but are sad to say good bye to Tim Allen, PLS and Roger Danzy, PE. Both of these gentlemen, hardworking and dedicated members of the surveying and engineering professions, accomplished their charge to 'safeguard life, health, and property and to promote the public welfare' and I'm proud to have had the opportunity to work with them.



LAPELS participated in the Engineering and Technology Expo Day at ULL in March. In addition to more than 1000 high school students from around the state, our visitors also included Susan and Chris Richard, Jim Moore, Donna Sentell, and LAPELS Emeritus members, Sonny Launey and Ken McManis.



Emeritus members, Ken McManis and Charles Coyle, receive recognition at the JESC meeting in Lafayette. Dr. McManis received the LEF Faculty Professionalism Award from ULL and Mr. Coyle received the AB Patterson Award.

# EXPIRED REGISTRANTS

*Licenses for the following individuals and firms expired on September 30, 2011. If this is not correct, please contact us.*

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Mr. Thomas Rodney Alexander  
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Structural Service & Design, Inc.  
Toomer Electrical Company, Inc.  
Trauner Consulting Services, Inc.  
Turner Design, Inc.  
Ventech Engineers International Corp.  
W. F. Snyder & Associates, Inc.  
Wayland P. Marcombe & Associates, Inc.  
Willbros Engineers, Inc.  
W-T Communication Design Group, LLC

## SURVEYING FIRMS

Bonie Associates, Inc.  
C.E. Hudson Engineering and Land Surveying  
Gateway Services Group, LLC  
W T and Associates, LLC



## NEW REGISTRANTS

*Licensed/Certified for the Period of 1/13/12 to 4/13/12*

### ENGINEER INTERNS

Kyle Alexander  
Juan Alfaro  
Beau Barbera  
Justin Barrett  
Robert Barrios  
Saikishore Bikumandla  
Brandon Boughara  
Jason Bouy  
Joshua Brackett  
Jeffrey Brent  
Diego Campos  
Harper Collins  
Zachary Crooks  
James Fellows  
Ismail Folami  
Jesse Guerra  
Christopher Harrison  
Lesley Horst  
Harrison Hymel  
Juan Icaza  
Lucas Kazanis  
Jacob Kelly  
Justin Kowarsch  
Trenton Miles  
Darren Mullen  
Robert Neel  
Charles Norton  
Keshab Pathak  
Anagh Pradhan  
Joseph Robert  
Spencer Robicheaux  
David Sellars  
Sahas Shrestha  
Salowa Sultana  
John Thompson  
Linh Tran  
Lindsey Woolverton  
Rachel Yates

### SURVEYING INTERNS

Brett Martin

### PROFESSIONAL ENGINEERS

Kevin Abbott  
Richard Abbott  
Reid Allen  
Thomas Allen  
Jonathan Allgaier  
Thomas Anderson  
Andrew Barclay  
Lucas Barteel  
Roy Beeson  
Blaine Benson

Jeffrey Bishop  
Nathan Boczkowski  
Jerry Caldwell  
Edmund Castle  
Charles Cates  
Rebecca Cavataio  
Rei-Lin Chang  
Peter Cheever  
Daniel Cogan  
Joseph Cowan  
David Cowden  
Jeffrey Coyne  
Brian Darr  
Harry Davidson  
Scott Dicus  
Weston Earnest  
Richard Ellsworth  
Henriette Emond  
Daniel Evans  
John Everett  
Thomas Eyington  
Steven Faseler  
Karl Fay  
Victor Ferris  
Mary Flynn  
Addam Friedl  
Richard Gottlieb  
Kevin Grittner  
Kirk Grundahl  
Frederick Hagerty  
Robert Haines  
Mark Hammons  
Larry Harper  
Michael Hawkins  
Chester Hedderman  
Noel Herrera  
Terry Hesseltine  
Erin Higinbotham  
Bruce Holcomb  
David Humphrey  
Dina Hunt  
Brett Ikeda  
Thomas Izbicki  
Bryan Jehling  
Christopher Jenkins  
Saint Johnson  
Troy Johnston  
Chad Keller  
Luke Kennison  
Scott Kesler  
Alexander King  
David Kochalka  
Wayne Landon  
Paul Lang

James Ledyard  
Christopher Limbird  
William Loeffel  
John Ludwig  
Christopher Mack  
Cerencio Madrona  
Joseph Marsh  
William May  
John Mayer  
Donald McCuskey  
Douglas McLeod  
Ronald McPherson  
Jennifer McVey  
John Measels  
Bryan Melton  
Alan Michels  
Matt Miller  
Ronald Miller  
Brian Mills  
Neculai Miru  
Nicholas Morton  
Kurt Mulder  
Tony Nasser  
Troy Nedderman  
Jason Needham  
Michael Neely  
Gary Neuwirth  
Lewis Noah  
Jason Olivier  
Derrick Oneal  
Terry Palm  
Steven Pflantz  
Mark Phillippy  
Heath Pope  
Joseph Porter  
Roger Porter  
Dennis Rasco  
John Rathke  
Leslie Ray  
David Redman  
Jose Reyes  
Jesus Rodriguez  
Perrin Roller  
Ahmad Sabetghadam  
Michael Scharf  
Elizabeth Schlaeger  
Nomikos Sdregas  
John Sells  
Paul Serkosky  
Cory Shipman  
Matthew Sickorez  
Matthew Smith  
Robert Smith  
Glenn Swaggart

Richard Talley  
John Thomason  
Jason Tillman  
Spencer Tuell  
Jeremy Vanleeuwen  
Marsha Villareal  
Tres Warner  
Daniel Wetstein  
Peter Wilders  
Robert Williams  
Joe Wilson  
Christopher Wright

### ENGINEERING FIRMS

Abna Engineering Inc.  
Accu-Line Surveying, Inc.  
Ace Engineering, Inc.  
Alliantgroup, LP  
Aquaterra Environmental Solutions, Inc.  
Argus Consulting, Inc.  
Assertive Engineering Solutions, LLC  
Audubon Engineering Company, LP  
Audubon Engineering Solutions, LLC  
Bennett Brewer And Associates, LLC  
Bonton Associates, LLC  
Bridge Diagnostics, Inc.  
Brooks & Sparks, Inc.  
Casco Diversified Corporation  
Clark, Richardson And Bishop Consulting Engineers, Inc.  
Clean Energy Of California, Inc.  
D-O-R Lease Service, Inc.  
Daniel Engineering Associates, LLC  
Daryl Ann, LLC  
Dc International Inc.  
Design Office, L.L.C.  
Destek Engineering, LLC  
Dewberry Engineers Inc.  
Engineering Design Consultants Of Texas, LLC  
Engineers Northwest, Inc., P.S.  
Enviro-Ag Engineering, Inc.  
Excel Midstream Solutions, Inc.  
Fisher-Rosemount Systems, Inc.  
Fulcrum Enterprises LLC  
Fuss & O'Neill, Inc.  
Greenpoint Engineering, LLC  
Gulf To Gulf Bridge Engineering, LLC  
Henry K. Ng Consulting Engineers, Inc.  
Hrst, Inc.  
I.A. Lewin, Pe And Company, LLC  
Industrial Fabrics, Inc.  
James Westbrook & Associates, LLC  
Jeo Consulting Group, Inc.  
Kahuna Ventures, L.L.C.  
Kee Environmental Services, LLC  
L'acquis Consulting Enterprises Indianapolis, LLC  
Lochsa Engineering Of Idaho  
Mead And Hunt, Inc.  
Mse Engineering Services, Inc.  
Netherland, Sewell & Associates, Inc.  
Optix Engineering, LLC  
PE Alliance, LLC  
Palmer Engineering Company  
Pate Engineers, Inc.  
Pennoni Associates Inc.  
Peters, Tschantz & Associates, Inc.  
Precision Engineering Solutions, LLC  
Project Solutions Engineering, Inc.  
Reuter Consulting Engineers, L.L.C.  
Robert W. Gray, Iii, PE, LLC  
Sctcs Group LLC  
Ska Consulting, L.P.  
Skywork Engineering, P.C.  
Smith And Williams Architectural And Engineering Design Consultants LLC  
Soil And Foundation Engineering And Consulting, L.L.C.  
Summit Consultants, Inc. Of Texas  
Swanbom Engineering, LLC  
T. E., Inc.  
Tdindustries, Inc.  
The Pdc Group, LLC  
The Roberts Group, P.S.C.  
Corporation - Ky  
Wde, Inc. Of Tennessee  
West, Welch, Reed Engineers, Inc.  
Western Engineering & Research Corporation  
Wheaton & Sprague Engineering, Inc.

### SURVEYING FIRMS

Anderson Land Surveying, LLC  
Avalon Land Surveying LLC  
Cvi Consultants Of Colorado, Inc.  
Lacy Surveying Inc.  
Mdm Design Group, Inc.  
Schultz & Summers Engineering, Inc.

## MARK YOUR CALENDAR

### LAPELS Board Meeting Dates

May 21-22, 2012 – Baton Rouge  
July 16-17, 2012 – Baton Rouge  
Sept. 24-25, 2012 – Ruston  
Nov. 19-20, 2012 – Baton Rouge

*(subject to change)*

### EXAMINATION DATES

Oct. 26-27, 2012

Please visit <http://www.lapels.com/Exschedule.html> for exam schedules and <http://www.lapels.com/Exreexresched.html> for exam requirements and <http://www.lapels.com/Exdeadlines.html> for exam deadlines.



# PRESIDENTIAL PRIVILEGE

David E. Kunz, PE

## LES Board of Direction

In January the LES provided the names of five qualified Professional Engineers to Governor Jindal so that an appointment to the recently vacated Industry representative of the LAPELS Board could be filled. An announcement as to the appointment is expected soon, and we look forward to working with the newest LAPELS Board member in matters concerning our profession.

The last several weeks have been very busy from a legislative standpoint and the number of bills relating to the engineering profession being introduced this year has kept us all busy. Many of the bills concerning the engineering profession have a direct impact on engineering licensing laws and rules, and threaten to weaken the profession that we have all worked so hard to strengthen over the years. The LES, LAPELS, ACEC and countless Professional Engineers (and other societies) have been working together to protect our interests, and have spent countless hours reviewing the bills and devising a defense when warranted. Thank you to all of you who have donated your time and effort to assist with these efforts. Mr. Ron Rodi, PE, LES Legislative Chairman, and Mr. Gerald Simmons, LES Lobbyist, have done an outstanding job of deciphering the many bills and defending our interests at the Capitol this year, and deserve our sincere appreciation.

The State Mathcounts Competition was held in March in Pineville, Louisiana, and was a great success thanks to the Alexandria Chapter LES and the numerous volunteers who assisted with the event. The financial support of this event by our members and sponsors makes the event greater every year, and the LES and all of the middle schools involved are very appreciative of the generosity.

We are very proud to announce the names of three individuals who have recently been awarded the title of Fellow by the NSPE. These LES members have all been very active members of the engineering community and are respected for their leadership in the engineering field. Their dedication and service to the engineering profession have contributed greatly to the advancement of the profession. Congratulations to Mr. Alan Krouse, PE, Mr. Chris Richard, PE, and Mr. Ron Rodi, PE

## Tri-State Engineering Society Conference

The LES Annual Meeting is scheduled for June 21 -23, 2012, at the Perdido Beach Resort, in Orange Beach, Alabama. This is

a new venue for the annual meeting and promises to be one which you will enjoy. The joint conference with Mississippi and Alabama will provide 12 hours of professional development, while the surrounding area will entertain whatever activities you enjoy. Registration is available at the LES website [www.les-state.org](http://www.les-state.org).

## Past and Future

In my visits to the eight LES Chapters across the State I have enjoyed listening to both the concerns and appreciativeness of our members. I have met many individuals who I previously only knew by name, or not at all, and have been humbled to receive their advice and opinions. Our members are a diverse group of professional engineers who have endured the challenges of our profession, as well as the challenges of life, and I see no end in sight to their continued commitment and success. Thanks to all of you.

My tenure as LES President will end in June, and you will be in the very capable hands of the first ever dual-term LES President, Mr. Alan Krouse, PE, during the 2012 – 2013 LES year. The past year has been a superb experience for me, and has taught me many things that I never knew. It has been a pleasure to work with the Board of Direction this past year and get to know each of them, their commitment to serving your society is remarkable. A special thanks to Brenda Gajan, LES Executive Director, for leading me in the right direction... always. And a special thank you to my employer BALAR Associates, Inc. for supporting and encouraging my desire to be involved with the LES.



**David E. Kunz, PE**  
*Louisiana Engineering Society President*

# SOCIETY NEWS

**Brenda Gajan**, LES Executive Director

## LOUISIANA ENGINEERING FOUNDATION

Thanks to the generous support of some in the engineering community, the Louisiana Engineering Foundation was able to present eight very deserving students with scholarships to help them achieve their goal of becoming an engineer. The various scholarships were presented to the students during recent monthly LES Chapter meetings. The scholarship recipients this year were:

- Ashley Cummins - James and Margaret Mohr Civil Engineering Scholarship-\$1,275
- Kailey Dupre - LEF- Civil Engineering Scholarship - \$500
- Anthony Key - Waldemar Nelson Engineering Scholarship - \$500
- Ashley Barker - NSPE Hurricane Relief Engineering Scholarship-Lake Charles/Lafayette - \$720
- Amy Robards - Charles L. Eustis, PE Engineering Scholarship - \$500
- Rose Ann Huynh - NSPE Hurricane Relief Engineering Scholarship, New Orleans/Bayou - \$720
- Adam Woods - Albert "Al" J., Jerri H., David Scott Dunn Scholarship, \$1,000

- Eric Andrepont - Ernest P. Breaux Electrical, Inc. Scholarship, \$500

Next year, the Foundation will be awarding a total of ten endowed scholarships, totaling over eight thousand dollars to deserving students.

We would like to thank all those that have contributed to the Foundation and our goal of paying off the Louisiana Engineering Center and establishing endowed scholarships for the students in Louisiana. If you would like to contribute to the Foundation building funds or any of these scholarships, please visit the LES website for a copy of the donation form or contact the LES office at 225.924.2021.



## WELCOME NEW MEMBERS

### Alexandria

Philip David Bailey, PE  
Clayton C. Webb,  
Individual Sustaining  
Michael J. Wilkinson,  
Individual Sustaining

Vincent A. Sichula, Individual Sustaining  
William H. Trosclair, Individual Sustaining

### Lafayette

Jerry B. Babb, E.I.  
Crystal A. Williams, Student

### Baton Rouge

Louisiana Recycled Aggregates, LLC, Corporation Sustaining  
Rhett E. Causey, Student  
Nathan C. Cobb, PE  
Shawn A. Day, E.I.  
Matthew W. Stewart, E.I  
Erin P. Tellis

### New Orleans

Jon M. Farkas, E.I.  
Luis R. Giron, Student  
Sebastian Henao, E.I.  
Catherine N. Salvaggio, PE

### Shreveport

Dustin C. Frost, E.I.  
Shara N. Otwell, E.I.

### Bayou

Jason M. Chauvin, E.I.

## CALENDAR OF EVENTS

### May, 2012

- 10-13 MATHCOUNTS National Competition – Orlando, FL
- 11 Chapter Officers & Committee appointments due to State Office
- 11 Committee Budget Requests due to State Office
- 21-22 LAPELS Board Meeting – LES State Office
- 31 Early Registration deadline for LES Annual Meeting

### June, 2012

- 20-24 Statewide Annual Meeting & Multi-State Conference – Perdido Beach Resort

### July, 2012

- 11-15 NSPE Summer Conference – San Diego, CA

## ALEXANDRIA CHAPTER

By Kenneth Kerry, PE

The Alexandria Chapter is wrapping up another successful year thanks to our membership and officers. We did not have a monthly meeting for February but we held our regional Mathcounts competition at the campus of LSUA. Our March meeting included a licensing ceremony where Jason Delrie was presented with his Professional Engineer's license. For our speaker in March we had Ashly Adams of Premier Concrete give a presentation on solutions to erosion control. Also in March, we were the host chapter for the state Mathcounts competition. To kick off the event on the evening before the state competition we held a banquet and fed over 160 students and coaches. Many thanks go out to the volunteers of the Alexandria chapter for making the banquet a success, and for helping



out with competition as well. For April, our guest speaker was Jennifer Gemar of Distran Steel who presented recent challenges that were overcome in transmission station construction projects. Our last meeting of the year in May will have

Jeff Staples of Cenla Environmental presenting to us. Also in May we will host our annual golf tournament at Oak Wing Golf Club. This is our last Mathcounts fundraiser for the year. Our May meeting will be the eighth this year; We've had a speaker at each one, and they've all been well attended. We appreciate all of the speakers who came and spent an hour of their time presenting to us, and thanks to our members for remaining active in our chapter and in LES.



## BATON ROUGE CHAPTER

By Eric Erikson, PE

The Baton Rouge Chapter of LES has enjoyed a great year. As president, I wanted to thank the officers of the chapter for planning and executing all of the events. It is truly a team effort, and I appreciate all of their cooperation and enthusiasm throughout the year.

The spring events were highlighted by the annual W.A. Wintz Memorial Golf Tournament. Over 22 teams participated and fun was had by all. I would like to thank Alan Krouse and committee, for once again organizing this very worthy event. Proceeds from this golf tournament fund the annual scholarships that the Chapter awards to deserving engineering students in the Baton Rouge area.

As encouragement for engineering students to take the FE exam and reward for beginning the licensing process, the Baton Rouge Chapter also organized a crawfish boil in April at Walk-Ons. Approximately 30 students and 15 professionals enjoyed the great food and great weather. The chapter would like to thank all the sponsors of that event for making it possible. The Chapter will conclude its monthly luncheons in May with

a special presentation by the Mayor of Baton Rouge, Kip Holden. This meeting will be held jointly with ASCE. We are expecting a very large crowd so please RSVP and arrive early. Look for further details in our Chapter newsletter.

Planning is under way for this year's Tri-State Conference, which will be held at Perdido Beach Resort in Orange Beach, Alabama on June 21-23. I would like to encourage all of our members to take advantage of this opportunity to participate in the conference, gain the much needed professional development hours, and also enjoy a little rest and relaxation at the beach. Many attendees bring the entire family and make a vacation out of it.

Plans are being made for new officer elections for the 2012-2013 year. Most of our officers will remain on the board in the same position or moving up one level. Thus, the chapter will enjoy a very experienced executive board. The new chapter president

*continued on page 13*



On March 22, at the Baton Rouge Chapter meeting, Alan Krouse presented Ashley Barker, the recipient of the NSPE Hurricane Relief Engineering Scholarship and Anthony Key, recipient of the Waldemar Nelson Engineering Scholarship checks from the Louisiana Engineering Foundation.



*Baton Rouge Licensing Ceremony - Back Row: Mike Donnelly; Adrien Serio; Michael Rourke; Matt Manning; Brett Young; Billy Williams. Middle Row: Danielle Welborn; Katherine Fath; Liz Brunet; Marie Russell; Erin Rourke; Joseph Marino; Venetta Hayes. Front Row: Josh Schexnayder; Heather Patton; Carolina Herrera; Phil Varona; Vertie Gary; Ken Ying; William Phillips; Kelvin Severin. Not Pictured: Ed Knight, Blake Hammat, Christopher Decota, Drew Philpot, Nathan Cobb, Brett O. Young, Micah Patton, James Harpole, David Hawley*

## LAFAYETTE CHAPTER

By Angie Thomassee Dore', PE

The Lafayette Chapter gathered on March 6th to recognize the regional MATHCOUNTS winners as well as our new engineering licensees. Over 70 people attended the banquet as we celebrated the achievements of future and new engineers. Dr Jim Bowie conducted the new licensee ceremony and it is always an honor to have Dr Bowie with our chapter. Chris Richard with LEF was in attendance to accept a \$5,600 donation to LEF on behalf of the Lafayette chapter.



This donation will complete our chapter's commitment of a \$10,000 donation to set up an endowed scholarship. A big thank you to all past board members and chapter members who worked to make this donation possible. The board will be meeting this summer to set the parameters of the scholarship.



## LAKE CHARLES CHAPTER

By Byron Racca, PE

With the majority of the LES calendar year in the books, the Lake Charles LES Chapter has once again proven to be an active and supportive partner of the local community.

The Annual Lake Charles Mathcounts competition was held on Saturday, February 11, 2012 at McNeese State University and generated strong attendance from various area schools. Approximately ninety (90) students participated in the event and the Chapter received approximately \$1,300 in donations. I would like to take this opportunity to thank all sponsors, volunteers and event organizers for making this event something that these students can enjoy while promoting math as a fun and constructive activity of their daily lives.

The Lake Charles Chapter hosted a licensing ceremony on February 14, 2012 at Pat's of Henderson Restaurant for all new registrants within the Lake area. The ceremony was held in an effort to honor and recognize the accomplishments these individuals have achieved.

Engineering Week was nationally observed February 20th to February 24th but due to the Mardi Gras holidays McNeese State University and the Lake Charles LES Chapter held annual E-Week activities the week of February 27th to March 2nd. E-Week activities included the annual open house event held by McNeese that invites local students and their guests to

tour the department while participating in activities that promote the engineering profession. The annual E-Week banquet was held on Thursday, March 1, 2012 at Reeves Uptown Catering and hosted approximately 90 guests which included McNeese faculty and students along with their respective family and friends. The event is held to honor engineering students and faculty for their accomplishments in striving for excellence in their respective fields.



I encourage all chapter members to check their calendars and make a point to attend the Tri-State Engineering Society Meeting which will be held June 21st to the 23rd at Perdido Beach Resort in Orange Beach, AL. The registration deadline is May 31, 2012.

In closing, I invite all members, prospective members and guests to our monthly chapter meetings which are typically held on the second Tuesday of each month at Ryan's Family Restaurant in Lake Charles. I encourage all membership to become actively involved in their local chapters in an effort to continue the organization's positive impact within the industry and community. The May Chapter Meeting will be the final meeting before the summer break. The next Chapter meeting will be held in August. I again thank all members for the support they have provided the organization this year and look forward to continuing that success in years to come.





## MONROE CHAPTER

By David A. Gremillion, PE

Greetings from the Monroe LES chapter! We have had good attendance for the meetings in February, March and April. Our speaker at the February meeting was Mr. Matt Whitfield with Victaulic. He made a presentation on the topic "Grooved Piping Systems". At that meeting we also held a licensing ceremony for the newly licensed successful EI, PLS, and PE candidates. We congratulate them on their achievements and welcome them into our chapter membership.

At our March meeting Joe Harman who was representing LAPELS presented the topic of "Ethics" which was well attended by many of our members. Many of our chapter members appreciated us offering a local ethics PDH opportunity.

Dr. Heath Tims spoke at our April meeting about the topic "Technology used by the LA Tech Shell Eco-Marathon Team". The speaker educated our group about a coating the learning experiences, design, and success of the LA Tech Shell Eco-Marathon competition. The LA Tech team has grown in both its membership numbers and success in the last decade. We appreciated Dr. Tims sharing his story of the success that the team has experienced and how the competition has



given the team and the University much recognition for its innovative approach to the Eco-Marathon competition.

In late February our chapter hosted the Mathcounts competition in Northeast Louisiana. We had a delightful time and enjoyed the pizza and camaraderie at the end of the event. We had some new volunteers at the event and appreciated all the help and that they provided. We would also like to thank all of the talented competitors from several local schools.



We appreciate all of our speakers and all of those volunteering within our chapter. If you're interested in becoming an officer or volunteering for our chapter please contact me or one of the other officers. In order to continue the success we have had in the past with meeting attendance, please try to attend each meeting and invite colleagues along with you. Also, please invite those

who are not currently LES members to join the society and begin enjoying the numerous benefits of membership.

Thanks, and I look forward to seeing you at the May meeting.

## NEW ORLEANS CHAPTER

By Travis St. Pierre, PE

The Louisiana Engineering Society New Orleans Chapter enjoyed hosting representatives from the Louisiana Engineering Society State Board as well as the Louisiana Professional Engineering & Land Surveyor (LAPELS) Board at our March monthly meeting. Ms. Brenda Gajan (LES), Mr. David Kunz (LES State President) and Dr. Norma Jean Mattei (LAPELS) were at our meeting to recognize New Orleans area Professional Engineers and Engineering Interns who recently passed their PE and FE exams respectively. In our Chapter's continued effort to protect and promote the profession of Engineering, we enjoy the opportunity to assist in the recognition and growth of newly licensed individuals in the field of Engineering.

On that note, it is important for all of us to stay abreast of current Bills in the Louisiana Senate and Louisiana House of

Representatives that affect Engineering Firms, Professional Engineers, and Engineering in the State of Louisiana. We have recently had quite a bit of activity regarding proposed Bills to modify the jurisdiction of LAPELS. Please remember the act promptly in response to notices from Chapter and State Board Members of pending Bills in the Louisiana House and Senate as we do not receive much notice prior to Bills being discussed at the State Government level.

Once again, I would like to congratulate the Engineering Interns and Professional Engineers that were recognized at our March meeting and encourage them to participate in our Society to continue to assist in the protection and promotion of the profession of Engineering.



## BATON ROUGE CHAPTER, continued from page 11

will be Mr. Michael Thomassie, PE. Michael has been on the board for many years now and I am confident he will continue the success that the Baton Rouge chapter has enjoyed in the past. We are seeking two new directors. Nominations are currently being accepted and we have received nominations from five very qualified professionals. The chapter membership will be asked to vote to elect two directors in late April or early May.

As outgoing president, this will likely be my last chapter update. I would like to thank all the past presidents and officers of the Baton Rouge Chapter who provided genuine advice and guidance to me during my year as president. Serving on the board of LES was a great learning opportunity and I feel I am a much better professional as a result. It was a pleasure to serve the chapter.

# BALLOT TO ELECT LES MEMBERS

Act 721 passed in the 1975 Legislature amended Chapter 10 to Title 38 of the Louisiana Revised Statutes of 1950 by adding thereto a new Part VII, Selection of Professional Services for Public Contract. Three Boards – Architect, Engineer and Landscape Architect Selection – are authorized under this Act. Each board selects persons or firms to perform certain professional services for public contract.

The Act refers to the Louisiana Engineering Society, specifying the following: The Louisiana Engineers Selection Board shall be composed of six members. Two members shall be named in an election conducted by the Louisiana Engineering Society at which all properly licensed engineers residing in the State of Louisiana may vote for positions to be filled. LES has two positions to fill this year, one term ending June 30, 2013, and one ending December 31, 2013.

The LES Nominating Committee nominates Ali M. Mustapha, PE for the July 1st position and Andrew Zagers, PE for the January 1st position.

Each Louisiana Registered Professional Engineer working and living in the State is eligible and urged to vote.

Space on the ballot is provided for write-in candidates. A write-in candidate must be a LA registered Professional Engineer and must have agreed to serve if elected. No employee or stockholder shall be eligible to receive agency contracts during the term of his service, and for a period of six months thereafter.

## LES ENGINEERS SELECTION BOARD BALLOT

1. Mark and return to LES, 9643 Brookline Ave., Ste. 116, Baton Rouge, LA 70809, by June 30, 2012. Late ballots will not be accepted.

2. Make sure your name and address are on the envelope that forwards the ballot to LES. Ballot signature is not required.

Vote for One Candidate in Each Position

### **POSITION ONE**

(Term July 1, 2012 – June 30, 2013)

☐ Ali M. Mustapha, PE

☐ \_\_\_\_\_  
For Write-in Candidate

### **POSITION TWO**

(Term January 1, 2013 – December 31, 2013)

☐ Andrew Zagers, PE

☐ \_\_\_\_\_  
For Write-in Candidate

## SAVE THE DATE!

We are proud to announce the dates for the 22nd Annual Louisiana Civil Engineering Conference and Show. This event, a joint effort from the New Orleans Branches of ASCE and ACEI, is the premiere gathering for the Civil Engineering community in the Greater New Orleans Area. We are in the process of soliciting sponsors and exhibitors for the fall conference which will be held on September 19-20, 2012, at the Pontchartrain Center in Kenner, Louisiana.

For additional information on the conference, please visit our web site at [www.LCECS.org](http://www.LCECS.org)



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# YOU AND YOUR FAMILY ARE CORDIALLY INVITED TO ATTEND THE 2012 TRI-STATE ENGINEERING SOCIETY CONFERENCE AT BEAUTIFUL PERDIDO BEACH RESORT!

## Professional Development

Make your reservations now for you and your family to join us at the beautiful Perdido Beach Resort in Orange Beach, Alabama. Engineers from Louisiana, Mississippi & Alabama will be descending on the beaches of Orange Beach for both fun and education. Fulfill your continuing education requirements by attending one of our three concurrent seminar opportunities. Each track will offer twelve hours of professional development hours for civil, electrical and mechanical engineers. See your state society's website for up to date class descriptions. Spend your afternoon enjoying the beach with your family or practicing your swing on the golf course. There are plenty of "fun in the sun" activities to enjoy!



## Guest Program

Experience the joy and exhilaration of sailing abroad an extraordinary 53' catamaran. A cruise aboard Wild Hearts is like no other experience you'll have on the water. Wild Hearts is one of the finest charter catamarans on the Gulf Coast. Sail along Orange Beach, Perdido Key, Gulf Shores, and the areas back bays & bayous; while enjoying beautiful views. Take in the sun on the spacious 30' deck or take it easy in the covered cabin; you are sure to find a comfortable spot with over 500sq feet of lounging space. Refreshments will not be provided, however, you are permitted to bring your own on board. Please note that no glass bottles are allowed. For your convenience there are two restrooms on the boat. You won't have to walk far to climb aboard the Wild Hearts catamaran; cruises depart from the Perdido Beach Resort Pier located directly across from the resort.

## Installation Banquet

The newly elected Board members for 2012/13 will be installed at the banquet on Saturday afternoon by a NSPE delegate. Also, the new NSPE Fellow members will be recognized at the banquet. Buy your tickets in advance as this event is one you surely do not want to miss.

## Sponsors

Consider supporting the Tri-State Annual Meeting by becoming a Gold, Silver, or Bronze sponsor at the levels listed below, and in return for your support, you will receive recognition at the Officers Installation Banquet. Also, your company name will be prominently displayed as a sponsor throughout the conference. See your state society's website for sponsorship information.

**SPONSORSHIP TYPE:**    *Gold Sponsor @ \$500    Silver Sponsor @ \$250    Bronze Sponsor @ \$150*

## Exhibitors

Consider your organization displaying at the Tri-State Annual Meeting attended by hundreds of Professional Engineers to include Chemical, Civil, Mechanical, Electrical, Environmental and Safety branches, among others; which represent private practice, industry, government, education and construction divisions.

Exhibitor set-up hours are from 10:00 AM – 1:00 PM on Thursday, June 21. The exhibit hours are:

Thursday, June 21	1:00 PM – 7:00 PM
Friday, June 22	7:00 PM – 11:30 PM
Saturday, June 23	7:00 AM – 11:30 PM

Each exhibitor is allowed two representatives who are permitted to attend the technical sessions, opening reception and continental breakfast; however, we ask that you complete the registration form for headcount purposes.

Exhibiting is a great opportunity to meet and talk with hundreds of engineers from the Central Gulf States; all while showcasing your product, service or company while enjoying the view from the two beachfront decks featured outside of the exhibit space. Please join us for an enjoyable time at the Perdido Beach Resort in Orange Beach, Alabama.

## Resort Amenities

Perdido Beach Resort is located on the white sandy beaches of Orange Beach, Alabama. There is never a dull moment with activities such as fishing, deep sea fishing, sailing, boating, scuba diving, parasailing & designer discount shopping. Don't forget to sign up for the Golf Tournament that will take place at The Lost Key Golf Course on Friday, June 22. Green and cart fees are included, along with transportation to and from The Lost Key Golf Course. Enjoy complementary amenities such as a large tropical outdoor pool, access to an indoor pool with two multi person Jacuzzis, a private beach with rental chairs, volleyball courts and other beach activities. Enjoy poolside entertainment, relax at the poolside bar and grill or dine at one of Perdido Beach Resort's restaurants.



# TRI-STATE ENGINEERING SOCIETY MEETING

## PERDIDO BEACH RESORT, ORANGE BEACH, AL

### June 21 - 23, 2012

### Registration Form

Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Badge Name: \_\_\_\_\_

Spouse/Guest, if attending: \_\_\_\_\_

Check the state society you are a member of:      LA \_\_\_\_\_ MS \_\_\_\_\_ AL \_\_\_\_\_

*Spouses are invited to attend the conference with no registration fee, but are required to register and pay for ticketed events. Students must show I.D. at registration. Please check every event that you plan to attend.*

## On-time registration deadline is May 31, 2012

Please check every event that you plan to attend.

Event	How many attending	Amt.	Late Fee After 5/31	Total
LES, MES, and ASPE Member Registration <i>Includes attendance to all seminars</i>	_____	\$210	\$50	_____
Spouse Registration: <i>Spouses do not have to pay a registration fee, however, they must pay for ticketed events listed below.</i>	_____	N/C	N/C	_____
Non-Member Registration: <i>Fees include one year membership in LES, or MES</i>	_____	\$365	\$50	_____
Student Member Registration: <i>Must show I.D. at check-in</i>	_____	\$35	\$25	_____
Thursday Lunch N' Learn	_____	\$5	\$10	_____
Thursday Exhibitor Meet & Greet : 4:30 – 6:30 pm <i>Must be present to win door prizes</i>	_____	\$10	\$20	_____
Friday Continental Breakfast	_____	\$5	\$10	_____
Friday Box Lunch	_____	\$5	\$10	_____
Friday Golf Tournament at Lost Key: <i>Handicap: _____ Length of drive: _____</i>	_____	\$100	\$25	_____

Golf Tournament Information: 4-man scramble, fee includes green fees, cart fees and transportation to and from Lost Key.

Feel free to bring promotional items to be given away as gifts.

For golf questions please contact John Plaisance at [jplaisance@jwayneplaisance.com](mailto:jplaisance@jwayneplaisance.com)

(FORM CONTINUED)





Registration Form Pg. 2

Friday Sunset Charter Cruise	_____	\$45	\$10	_____
Saturday Continental Breakfast	_____	\$5	\$10	_____
Saturday General Membership Luncheon	_____	\$20	\$10	_____
Saturday Installation Banquet	_____	\$55	\$10	_____
Bacon Wrapped Pork Filet _____ or				
Roasted Vegetable Lasagna _____				

Total Payment Enclosed \$ \_\_\_\_\_

PLEASE CHECK: VISA \_\_\_\_\_ MasterCard \_\_\_\_\_ (WE DO NOT ACCEPT AMERICAN EXPRESS)  
CARD NO.: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

Make Checks payable to "Louisiana Engineering Society." LES is the coordinating society for the 2012 meeting. Fax credit card information to (225) 924-2049. For further information contact: LES (225) 924-2021 or visit our website at [www.les-state.org](http://www.les-state.org).

**Registration fees must accompany this form. No refunds after May 31, 2012.**  
**Register by mail w/check, go online or fax w/credit card information to:**

**Louisiana Engineering Society**  
**9643 Brookline Avenue, Suite 116**  
**Baton Rouge, LA 70809**  
**Phone: (225) 924-2021 Fax: (225) 924-2049**  
**Email: [les@les-state.org](mailto:les@les-state.org)**  
**[www.les-state.org](http://www.les-state.org)**

**For reservations call (800) 634-8001**  
**or go online at [www.perdidobeachresort.com](http://www.perdidobeachresort.com)**  
**(Click reservations. Use group/promo code: 7076)**

**WE'LL SEE YOU THERE – AT THE PERDIDO BEACH RESORT**



# TRI-STATE ENGINEERING SOCIETY MEETING

*A Joint Annual meeting Sponsored by the Engineering Societies of Louisiana, Mississippi and Alabama*

## June 21-23, 2012 • Perdido Beach Resort • Orange Beach, Alabama

WEDNESDAY, JUNE 20, 2012			
ROOM	SANDCASTLE II		AZURA
10:00 AM—4:00 PM	2012 LES BOARD ORIENTATION AND PLANNING MEETING		
1:30 PM—4:45 PM	MES BOARD MEETING		
5:00 PM—7:00 PM	ASPE BOARD MEETING		
6:00 PM—TILL			
	LES BOARD MEETING		
LEF BOARD MEETING (IMMEDIATELY FOLLOWING LES MEETING)			
THURSDAY, JUNE 21, 2012			
8:30 AM—4:30 PM	REGISTRATION & EXHIBIT HALL OPEN IN SALON ABCD		
ROOM	SALON F	SALON G & H	SAND DOLLAR
9:00 AM—10:00 AM	Assessing Distribution Power Quality for Large Commercial Customers Chris Litton	The Auditor is coming. Conflicting viewpoints, can they be avoided? Dan Lavergne/ Fred Smith	Fluoridation of Public Water Supplies Leslie Royal
10:00 AM—10:30 AM		BREAK IN EXHIBIT HALL	
10:30 AM—11:30 AM	Distribution Smart Grid Projects at Mississippi Power Company Steven Schruiff	Aggregates: Properties, Applications & Sources plus and Intro to Vulcan Materials Company Brett Vandermeeden	Micro screening- An innovative Wastewater Treatment Matt Bokenkroger
ROOM	Salon F, G, H		SAND DOLLAR
11:30 AM—12:45 PM LUNCH N' LEARN (Plate Lunch Served)	Electrical Grounding Design Considerations for Pipelines and Pipeline Stations Leo Holzenthal	Greater New Orleans Storm Damage Risk Reduction System Walter Baumy/ Thomas Holden	Building High Performance Teams Tom Wagner
12:45 PM—1:00 PM	BREAK IN EXHIBIT HALL		
1:00 PM—2:00 PM	Enhancing Mississippi Manufacturers using Simulation Modeling Travis Hill/ Robbie Holt	Ethics for Professional Engineers and Land Surveyors Glen Kent	Employee Mentoring Tom Wagner
2:00 PM—2:30 PM	BREAK IN EXHIBIT HALL		
2:30 PM—3:30 PM	Solar for the Real World A. Morton Archibald	Engineer's Guide to Site Solutions Will Brantley	The Power of Change David Machado
3:30 PM—4:30 PM	Centrifugal Pump Fundamentals Keith Walsh	Innovations in Characterizing Subsurface Conditions Victor Donald	Mitigate Risk of Change Orders & Project Delays with Subsurface Utility Engineering Billy Moore
4:30 PM—6:30 PM	EXHIBITOR MEET & GREET IN EXHIBIT HALL (CASH BAR & HORS D'OEUVRES)		

FRIDAY, JUNE 22, 2012				
ROOM	SAND DOLLAR		SALON E	SALON F,G,H
7:00 AM—9:00 PM	CONTINENTAL BREAKFAST IN EXHIBIT HALL			
7:00 AM—11:30 PM	REGISTRATION & EXHIBIT HALL OPEN IN SALON ABCD			
7:30 AM—8:30 AM	Successful energy reduction project & how to leverage the success for more projects Brett Rasmussen	Port of Gulfport Joe Conn	The benefits of a trained memory for Engineers — Part 1 Harold Mangum	
8:30 AM—9:00 AM	BREAK IN EXHIBIT HALL			
9:00 AM—10:00 AM	Hurricane Preparedness/Backup & Recovery Guy Wiles	Engineers, Camels, Nutria, and Fire Retardant Rockets Wynn White	The benefits of a trained memory for Engineers — Part 2 Harold Mangum	
10:00 AM—10:30 AM	BREAK IN EXHIBIT HALL			
10:30 AM—11:30 AM	Energy Efficiency Hoyt McGrath	Helical Piles and Helical Anchors: Design and Applications Cary Hannon	Green Infrastructure: The Economic and Environmental Benefits Chad Danos	
11:30 AM—1:00 PM	BOX LUNCH IN EXHIBIT HALL			
1:00 PM—5:00 PM	GOLF TOURNAMENT			
5:30 PM—7:30 PM	SUNSET CHARTER CRUISE			
SATURDAY, JUNE 23, 2012				
7:00 AM—9:00 AM	CONTINENTAL BREAKFAST IN SALON ABCD			
7:00 AM—11:00 AM	EXHIBIT HALL OPEN IN SALON ABCD			
7:00 AM—11:30 AM	REGISTRATION OPEN			
7:30 AM—8:30 AM	Cellular Based Technology Ben Humphries	Maximizing Quality Assurance in Construction by Leveraging Tech. Scott Bridges & Rod Elliot	Design of Ductile Iron Pipe-on-Supports Allen Cox	
8:30 AM—9:00 AM	BREAK IN EXHIBIT HALL			
9:00 AM—10:00 AM	Auto Cad 2013- What's New? Vaughn Klos	Using a Monitoring System to Replace WIM Aziz Saber	Safety Analysis of a Continuous Flow Intersection Laurence Lambert	
10:00 AM—10:30 AM	BREAK IN EXHIBIT HALL			
10:30 AM—11:30 AM	GIS Applications for Environmental Projects Joce Pritchett	Future of Storm Logistics Charles Evans	Ethics James R. White	
11:30 AM—1:00 PM	SAND CASTLE II LES ANNUAL MEETING			
6:00 PM—TILL	Grand Reef Room			
INSTALLATION BANQUET & CASH BAR				



# MATHCOUNTS COMPETITION

The MATHCOUNTS regional competitions were hosted by LES chapters throughout the state. The top three teams and top four individuals from each of the chapters advanced to the state competition, which was hosted by the Alexandria Chapter of LES. The top ten teams and individuals at the Louisiana State Competition were as follows:

## MATHCOUNTS®

### Top Ten Individuals

Elvin Gu	Glasgow Middle
Louie Kam	Glasgow Middle
Mason Buillot	Glasgow Middle
Anthony Tran	Lake Castle Private
Venkatesh Sivaraman	Caddo Middle Magnet
Kaan Dokmeci	Caddo Middle Magnet
Alex Li	Glasgow Middle
Richie Wakefield	Grace Christina
Ben Rowley	Boyett Jr. High
Chi Cao	Glasgow Middle

### Top Ten School Teams

Glasgow Middle
Caddo Middle Magnet
Lake Castle Private
Boyett Jr. High
Paul Breaux Middle
Sherwood Middle
Patrick Taylor School
Episcopal Middle School
Grace Christian School
Tioga Jr. High

*The National Competition is comprised of the students from all 50 States, U.S. Territories, The U.S. Department of Defense and the U.S. State Department. The National Competition will be held in Orlando, FL on May 10-13, 2012, and will be nationally televised on ESPN.*

*The following top four individuals will comprise the Louisiana Team, along with their coach Joan Moroney.*

### Top Individuals

Elvin Gu
Louie Kam
Mason Guillot
Anthony Tran

### School

Glasgow Middle School
Glasgow Middle School
Glasgow Middle School
Lake Castle Private

### Chapter

Baton Rouge
Baton Rouge
Baton Rouge
New Orleans

***The Louisiana Engineering Society would like to thank the many volunteers of the competition in Louisiana!***

### ***A Sincere Thanks to the 2012 State MATHCOUNTS Sponsors:***

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# A WORD FROM THE INCOMING PRESIDENT

Alan D. Krouse, PE

I am honored to serve again as the Louisiana Engineering Society President. It does not seem that long ago that I wrote my first President's message. I continue to be impressed with the leadership of this organization and am humbled to be given the opportunity again to lead the organization.

It was a pleasure to serve with David Kunz as President as were the previous years with him. I admired the way he has taken on some controversial assignments and led with professionalism and respect to all parties. The Board looks forward to his assistance and guidance during his final year on the Board.

I am anxious to work with the new Board especially the Chapter Presidents. I encourage all to get involved with LES because every year I hear from the new members of the Board that they were unaware of how many topics and issues we are involved in and the leadership role we play in the Profession. In that regard I encourage all to join us in Orange Beach,

AL at the Perdido Beach Resort for our annual meeting from June 21 – 23. Also planned is a Board Orientation and Planning meeting, specifically designed for the incoming

officers, as well as the first Board Meeting of the 2012/13 LES Board. We hope to see you there!



Alan D. Krouse, PE  
Incoming LES President

## LUNCHEON TO RECOGNIZE NEW LICENSEES

*The Louisiana Engineering Society is again working with the Louisiana Society of Professional Surveyors to formally recognize recent licensees and present the certificates. The Societies will be hosting events around the state to recognize the achievement. All newly licensed engineers and land surveyors are encouraged to attend. Please contact the LES State Office at (225) 924-2021 or email your request to [les@les-state.org](mailto:les@les-state.org)*

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Louisville, KY	Oct. 2 & 3, 2012
Chicago, IL	Oct. 8 & 9, 2012
St. Louis, MO	Oct. 11 & 12, 2012
Nashville, TN	Oct. 17 & 18, 2012
Birmingham, AL	Oct. 25 & 26, 2012

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Call 901-493-6502 (Memphis, TN)  
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<http://community.webtv.net/pdsi>



LES participated in the STEM and TECH Career Fair at Baton Rouge Community College. Pictured in the booth is Brad Ponder, Brenda Gajan, Lena Peltier, and Kahli Cohran.

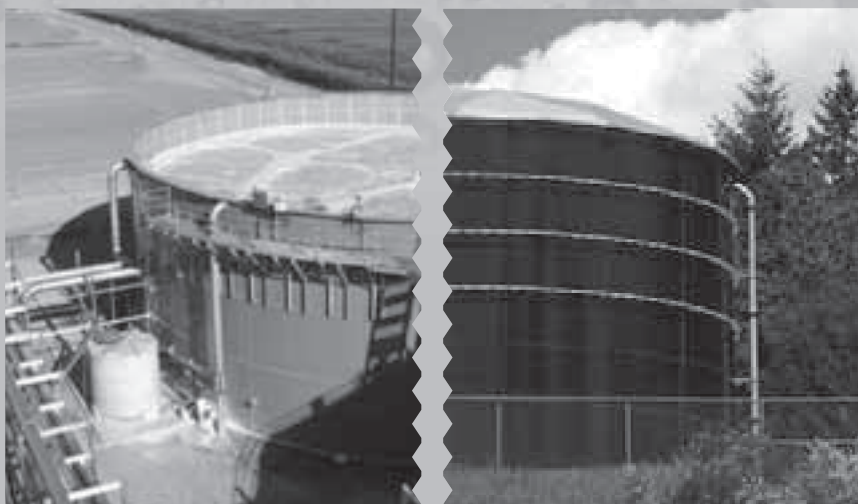


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# THE SPEC SHEET

**Daniel E. Mobley, CAE**, *Executive Director*  
American Council of Engineering Companies of Louisiana



**Daniel E. Mobley, CAE**

As spring turns into summer, we forecast cloudy versions of RFQ's that will shower our office with questionable advertisements. As we prepare for the storm ahead, we would like to remind everyone of the safety, err, appropriate provisions that must be taken in the selection of an engineer.

## The Correct Way to Select an Engineer

Use of the proper selection process when seeking to engage and Engineer will yield:

- A unique relationship with a trusted advisor
- Additions to your team's special experience and competence
- Someone whose mission it is to solve your problem/meet your needs
- A Professional who has the expertise to search out innovative, alternative approaches for your project

The selection of an Engineer is one of the most important decisions that will be made throughout the process of completing a successful project. This statement also applies to the selection of architects, land surveyors, and related professional services.

Design has a major impact on all other costs related to the project, even though the cost of engineering services for the average project represents less than one percent of the total lifetime cost of construction, operation and maintenance. Investing in quality design services at the outset of the project often results in significant long-term savings. The quality of the services provided by the design engineer is the single most important factor in determining the overall construction costs and life-cycle cost of a project.

Cost-effective problem solving and high-quality design can only be achieved with competence and experience. The proven process that best helps owners find the design consultant most qualified for their project is known as Qualifications

Based Selection (QBS). It is the time-proven method endorsed by federal, state, and local governments as well as organizations.

QBS, required for federal and federally funded construction projects, by at least 44 states, many local agencies and many private sector owners and institutions has a long and positive history

Cheap design is expensive. Selecting a designer based on qualifications will enable the most qualified consultant to apply technical knowledge and relevant project experience to develop a functional and cost effective project design to meet the intended needs.

Qualifications Based Selection is a competitive contracting process that includes public announcements of projects, full and open competition, and careful review of firms' capabilities, experience, technical skill and personnel. Fee negotiations with the most qualified firm begin only after a mutually agreed detailed scope of work is drafted.

Perhaps the most important aspect related to the use of the QBS process in procuring design services is the unique relationship which it creates. When a design professional is selected based of qualifications, competency and experience they become an extension of the owner's staff and provide the opportunity for innovative approaches and alternative methods as you work together to determine the precise scope of the project. The most effective use of an engineer is for them to become the "trusted advisor" of the owner, a member of the team representing the owner's interests. The product of this relationship is a quality design and, ultimately, a quality project that meets or exceeds the needs for which the project was originally conceived.

## Why use QBS?

- ✓ Federal Law requires its use. The Brooks Act, Public Law 92-582; reaffirmed by Public Law 100-464; included in transportation (T-21), aviation (Air-21) legislation and Superfund; soon to be included in Federal water acts.

- ✓ Through the Hammett Act (RS 38.2318.1), it is the law for the state of Louisiana, its political subdivisions, and agencies to select providers of design professional services on the basis of competence and qualifications for a fair and reasonable price. Neither the state nor any of its political subdivisions or agencies may select providers of design services wherein price or price-related information is a factor in the selection.
- ✓ QBS is endorsed by APWA (American Public Works Association) which represents the owners who procure engineering services. APWA publication 'Selection and Use of Engineers' - the "public's best interest served when governmental agencies select architects, engineers, and related professional technical consultants for project and studies through QBS procedures. Basing selection on qualifications and competence (rather than price) fosters greater creativity and flexibility, improves the delivery of professional services, increases the value to the owner in construction and life cycle expenses, and minimizes the potential for disputes and litigation."
- ✓ QBS is recommended by the ABA (American Bar Association) in its model procurement code for state and local governments. "The principal reasons supporting this selection procedure for architect, engineer and land surveying services are the lack of a definitive scope of work for such services at the time the selection is made, and the importance of selecting the best qualified firm. In general, the architect, engineer, or land surveyor is engaged represent the (states) interest and is, therefore, in a different relationship with the (state) from that normally existing in a buyer-seller situation. For these reasons, the qualifications, competence, and availability of the most qualified architect, engineer or land surveyor firm is considered initially, and price negotiated later."
- ✓ It works – the owner gets a personal advisor on their team, the project is designed specifically to meet the intended need and use, it results in lower life cycle cost for the project.
- ✓ Most importantly, it means that our buildings, bridges, roadways, water and waste water facilities and other projects will be designed in the most competent and cost effective manner, not only for today, but also for the future. QBS is in the best interest of the safety and welfare of the public.

**WE WOULD ALSO LIKE TO SINCERELY THANK ALL OF THE FOLLOWING COMPANIES FOR THEIR SUPPORT AT THE CLIENT APPRECIATION RECEPTION WHICH WAS HELD ON NOVEMBER 10, 2011:**

*ABMB Engineers, Inc.*

*AECOM*

*ARCADIS*

*Ardaman & Associates, Inc.*

*Associated Design Group, Inc.*

*Aucoin & Associates, Inc.*

*Balar Associates, Inc.*

*BBC Engineering, Inc, A Division of Forte and Tablada, Inc.*

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# FEMA's Unacceptable Flood Openings Pose a Huge Risk



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**Air vents that can be closed manually are not compliant** unless they are "permanently disabled in the open position," according to FEMA's TB1. Even if broken into the open position, these vents provide little to no area to allow for debris to pass through.

Find out about these unacceptable openings and more by reading page 19 of FEMA's Technical Bulletin 1.



**Call Louisiana local Brian Daschbach, Certified Floodplain Manager today to set up a presentation covering FEMA Regulations**

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Manager: JMB

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Phone	Phone Description	Contract Amount	% Complete	Price Billing	This Invoice
(114) 888-1212	Subcontract Design	\$4,000.00	50%	\$2,000	\$2,000.00
(114) 888-1212	Design Development	\$4,000.00	25%	\$1,000	\$1,000.00
(114) 888-1212	Construction Documents	\$16,000.00	10%	\$1,600	\$1,600.00
(114) 888-1212	Construction Administration	\$12,000.00	5%	\$600	\$600.00
<b>TOTAL:</b>		<b>\$36,000.00</b>		<b>\$5,200</b>	<b>\$5,200.00</b>

**Consultant Fees**

Description	Date	Hours	Rate	Amount
Professional Engineer Progress 01	5/1/2011	1.00	\$4,000.00	\$4,000.00
<b>TOTAL:</b>				<b>\$4,000.00</b>

**Professional Expenses**

Description	Date	Hours	Rate	Amount
Travel	5/1/2011	1.00	\$2,000.00	\$2,000.00
<b>TOTAL:</b>				<b>\$2,000.00</b>

**Total Invoice Due:** **\$12,200.00**  
(This amount is due upon receipt)

**Payment Summary**

Billed To Date	Amount Due	Amount Paid
5/1/2011	\$12,200.00	\$0.00
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