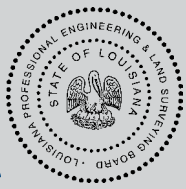


# Louisiana Engineer & Surveyor Journal

May 2021 - Vol. 24 No. 2

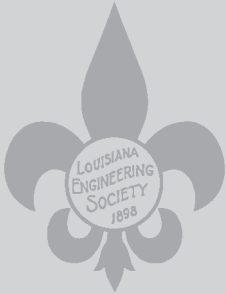
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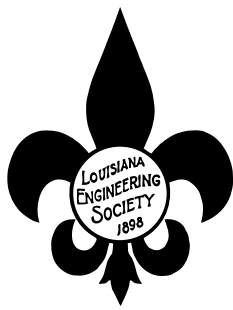
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## 2021-2022 Louisiana Engineering Society President



**Tyler Comeaux, PE**



## Louisiana Engineering Society

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### LOUISIANA ENGINEER AND SURVEYOR JOURNAL

MAY 2021 Vol. 24 No. 2

#### The Louisiana Engineer & Surveyor Journal

(ISSN: 15275965, USPS 588-360)

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#### LES ADVERTISING RATES

SIZE	COST PER ISSUE	COST PER YEAR
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1/4 Page	\$420	\$1,344

- 1) Prices quoted apply to camera-ready copy. A one-time charge will be added for composition of an ad, art work, or if changes are made during the contact period.
- 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.

#### PUBLICATIONS COMMITTEE

Brenda Gajan, *Managing Editor*

The Louisiana Engineering Society, the Louisiana Professional Engineering and Land Surveying Board, and the American Council of Engineering Companies of Louisiana do not guarantee the accuracy of statements made or necessarily concur with opinions expressed in the publication.

# Message from the Chairman

Jeffrey A. Pike, PE

One of the traditions in the Army is a social event called a "Hail and Farewell". It is a time to honor those who have departed the unit and thank them for their service. At the same time, it is a welcome to those who are joining the group and introduces them to the special history and traditions of their new organization. This celebration builds organizational camaraderie and esprit de corps. It supports a sense of continuity through change.

At our March LAPELS board meeting we acknowledged the service of Charlie Coyle, representing the surveying profession, and Tom Carroll, representing the engineering profession in government. It is a huge understatement to say that these two gentlemen led our board during unprecedented times. We salute them. Farewell. Charlie and Tom have left some big shoes, or boots, to fill. Hail to their replacements, Janice Williams and Jimmy Chustz. Janice, from Baton Rouge, is a former Chief Engineer for DOTD. Jimmy, from New Roads, is the president of Chustz Surveying. They have already served honorably in our professions, and now they have agreed to take on more responsibility as LAPELS board members. Please make the time to read about them in this particular journal. We are grateful to have them both on our team.

Besides our new board appointments, there have been many other celebrations since the last journal publication. Happy pi day, happy Easter, happy Cinco de Mayo, happy Mother's Day, and perhaps there are others. Despite the difficulties of the pandemic, we do have a lot of blessings in our lives, many that we likely take for granted. A wise old song has lyrics which suggest we count them. Even through trials we gain perseverance.

Travel is not entirely back to normal, however, it has been good for our mental well-being to have some face-to-face meetings by a combination of measures to include masks and meeting in larger spaces to achieve physical distancing. By the time this is published, staff and board members will have participated in the Louisiana Society of Professional Surveyors (LSPS) Convention in Bossier City and the Joint Engineering Societies Conference (JESC) in Lafayette. I appreciate each of our technical societies. Their leadership and their contributions to our professions are worth celebrating.

Due to potential difficulties experienced by licensees, the LAPELS Board recently approved waiving the late fee for licenses in the Spring 2021 renewal cycle. The Board did not waive the CPD requirements for this renewal cycle, and you are obligated to obtain the 15 requisite hours in 2019 and 2020 to renew. If you are involved in the spring renewal cycle, then you have until July 29 to complete your renewal. We continue to do some housekeeping for our rules. If and when these changes occur you will see updates on our website.

The newest application for licensure as a PE on our website is referred to as the "Act 2" application because it is offered in

compliance with the provisions of Act 2 (La. R. S. 37:693 B (2) (c)): "a graduate of an accredited engineering curriculum of four years or more approved by the board as being of satisfactory standing, who has twenty years or more of progressive engineering experience in work acceptable to the board, who is of good character and reputation, who has passed the examinations required by the board, and who has satisfied the requirements of R.S. 37:694." We have received a few of these applications which are under appropriate review by staff and board members.

Our diligent LAPELS staff is available by appointment even though our office in Baton Rouge is still closed to the public. Of course, phone calls and emails are still a very effective means of communication when you need assistance. When you have questions, just call the office at 225-925-6291, and your call will be directed to the appropriate person. Or, visit the contact page on our website at [www.lapels.com](http://www.lapels.com). There, you will find email links to the staff member who can answer your specific question.

I would like to close by saying how grateful I am to be a part of such a great team of board members and staff working on issues related to licensure in land surveying and engineering and working with and for colleagues like you. Social events like the military hail and farewell I mentioned earlier include ceremonial aspects. I want to close my article with a reminder of some of our own profession's traditions. One is a creed which reminds us of our duties, and the other is a benediction.

*Engineers' Creed: As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare. I pledge: To give the utmost of performance; To participate in none but honest enterprise; To live and work according to the laws of man and the highest standards of professional conduct; To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations. In humility and with need for Divine Guidance, I make this pledge.*

*Surveyor's Prayer: Almighty God, Surveyor of the Universe and the True Point of beginnings for all things. Bless that parcel of time more particularly described as life and guide us as we traverse through it. May we accurately follow the courses you have set forth giving full measure of our time and talents in a manner that will make our lives worthy of a place in the record book of eternity. We submit the sum of our being; less and except those errors by your grace forgiven. Witnessed by those present in your Holy Name. Amen.*



Jeffrey A. Pike, PE  
Chairman

LAPELS  
LA PROFESSIONAL ENGINEERING  
AND LAND SURVEYING BOARD

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Deputy Executive Director

# Janice Poplin Williams

Janice Poplin Williams is retired from a long career in state service culminating in her appointment to the Chief Engineer position at the Louisiana Department of Transportation and Development (DOTD) in March, 2014. As the engineering leader of DOTD, Williams provided guidance to a staff of more than 500 engineers, engineering technicians and support staff, while promoting innovation, continuous improvement and efficient use of resources. She was responsible for establishing engineering standards, policies and procedures that guide project delivery, construction, and preservation of all transportation-related projects and systems. In addition, Williams was accountable for the on-time and on-budget delivery of the DOTD Highway Priority Program.



Janice Poplin Williams

Williams began her career in DOTD's Road Design Section in June of 1985, after earning her bachelor's degree in civil engineering from LSU. She served as a project and program manager for projects of all shapes and sizes including interstates, capacity improvements, large and small bridge replacements, urban systems, enhancements, and a new Mississippi River crossing. She was responsible for over 1200 projects totaling over \$2.3 billion in construction costs before moving on to administrative roles. Williams served in 2 different division administrator positions prior to becoming Chief Engineer.

During her tenure at DOTD, Williams became an expert in Pavement Preservation and served on national teams created by FHWA to promote pavement and bridge preservation acceptance and implementation through the development of technical guidelines with the identification of related training and research needs.

Williams is a licensed professional engineer in Civil and Environmental Engineering. She is also a member of the American Society of Civil Engineers, Louisiana Engineering Society, and Women in Transportation Seminar.

In 2011, Williams received the Charles E. Dunbar, Jr. Career Service Award which honors classified state employees for their service to the citizens of Louisiana for their commitment to classified service, contributions toward workplace improvement, personal initiative, and volunteer community service. In 2016, Williams was selected for the LSU Civil and Environmental Engineering Department Hall of Distinction which recognizes outstanding individuals who have made significant contributions to the profession and to the department through their honorable achievements and support. Williams was honored by the Louisiana Engineering Society with the Leo M. Odom Award for Services to the Profession by LES statewide in 2019 and the Baton Rouge Chapter in 2018.

Following her retirement in January, 2018, Williams has participated in various community service opportunities including serving on the East Baton Rouge Engineers and Surveyors Selection board representing LES-BR. Her other volunteer work includes working with local and regional animal welfare groups to promote spay and neuter programs. In addition, Williams has now fulfilled her life-long ambition to learn the art of making quilts. Since starting this challenging new chapter in her life, she has become an avid quilter who will never have enough fabric or enough time to make all the quilts she has planned. Her quilting activities include donating her time to quilt blankets for charity as well as membership in four quilt guilds.

Williams has been married to Montford E. Williams, III, since 1985 and they have four children and one grandchild. Williams is the daughter of the late Dr. and Mrs. Jack K. Poplin. Dr. Poplin was a faculty member of the LSU Civil Engineering Department from 1968-1994 and a registered P.E. and P.L.S.



Board Chairman Jeffrey Pike, P.E., presents LAPELS Service Awards to outgoing board members, Thomas R. Carroll, III, P.E., P.L.S (June 2015 - March 2021) and Charles G. Coyle, III, P.L.S (June 2016 - March 2021)

## James H. (Jimmy) Chustz, Jr.

Born and raised in New Roads, Louisiana, Jimmy is a Registered Professional Land Surveyor in the states of Louisiana (1992) and Mississippi (1993). He graduated from Poydras High School in 1973 and attended Louisiana State University. Jimmy enlisted in the United States Army National Guard in 1974, where he ultimately spent four years in service to our country.

When he was not participating in Army exercises, Jimmy was back home in New Roads, working as a surveyor. Just short of his 19th birthday, Jimmy was on a boat in the Mississippi river, holding steady for a hydrographic surveying job for the United States Army Corps of Engineers - New Orleans District. Jimmy fell in love with the art of surveying and the opportunity to continue a life of service to his community after he left the Army.

Jimmy has over forty-six years of surveying and mapping experience. As owner of Chustz Surveying for the past 26 years, Jimmy has successfully served as Project Manager on contracts with the United States Army Corps of Engineers, New Orleans, Vicksburg, Galveston and Memphis Districts, Louisiana Coastal Protection and Restoration Authority (CPRA), LADOTD, Tulane University, private engineering firms, attorneys and the general public. He has testified in court as an expert witness for private clients and has been appointed by the courts as an expert witness for many property boundary survey disputes. Jimmy is an expert in GPS Control Surveys, Topographic Surveys, Construction Surveys, Bathymetric and Hydrographic Surveys, Geophysical Surveys, remote sensing such as unmanned aerial LiDAR and photogrammetry as well as unmanned surface vehicles for hydrographic surveys.

Jimmy became licensed in 1992 after working for several local surveying firms, including 6 years working for John E. Chance and Associates in Lafayette. He then founded Chustz Surveying in 1995, a surveying firm dedicated to using advanced surveying technology to deliver cutting edge results to clients - large and small.

Jimmy is a member of numerous professional organizations such as the Louisiana Society of Professional Land Surveyors, Mississippi Association of Professional Surveyors, National Society of Professional Surveyors, American Association of Geodetic Surveying, Geographic and Land Information Society, Society of American Military Engineers and the Hydrographic Society of America. He also serves as an Advisory Board Member to the Geomatics program at Nichols State University, where he and his wife Tammy helped establish the "Jules Oreste Chustz Memorial Student Endowed Scholarship" named in memory of their late child.

He is married to Tammy, his wife of 36 years, and has two children and three grandchildren. When Jimmy is not at the office, he is on False River scaring the fish, at every New Orleans Saints home game or at their family camp in Crosby, Mississippi enjoying the outdoors.



James H. (Jimmy) Chustz, Jr.



LSPS President Brad Holleman, P.L.S. presented our newest board member, James H. Chustz, P.L.S., the Surveyor of the Year Award at the LSPS Convention in Bossier City.

# Enforcement Report

Chris Aaron, LaTasha Andrews and William Hyatt, Board Investigators



Chris Aaron  
Board Investigator



LaTasha Andrews  
Board Investigator



William Hyatt  
Board Investigator

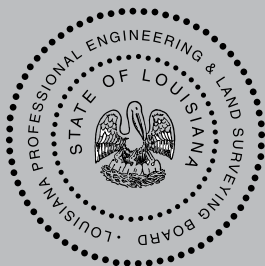
## LICENSURE RENEWAL APPLICATION VIOLATIONS:

Gregory Mazur, P.E., a professional engineer (PE-39518), was subject to disciplinary action by the Board for making a false statement in applying for a renewal license with the Board in violation of La. R.S. 37:698(A)(1). In March 2017 the New York State Board for Engineering, Land Surveying and Geology took disciplinary action against Mr. Mazur. In September 2017 Mr. Mazur submitted to the Board his 2017 Louisiana professional engineer license renewal online, falsely representing thereon that he had not been subject to disciplinary action by the licensing authority in another jurisdiction since his previous license renewal in 2015. Mr. Mazur entered into a Consent Order with the Board, without an admission of guilt but not contesting the Board's contention that his conduct violated La. R.S. 37:698(A)(1), he agreed to pay a fine of \$1,000; to pay administrative costs of \$276.51; to successfully complete the Board's online Louisiana Laws and Rules Quiz and Louisiana Professionalism and Ethics Quiz with a score of 90% or higher on each; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter identifying Respondent by name in the Board's official Journal, and the reporting of this matter to NCEES, identifying Respondent by name.

## UNLICENSED OFFER AND/OR PRACTICE OF ENGINEERING OR LAND SURVEYING:

Ridge & Associates, Inc., an unlicensed firm which subsequently became licensed as a professional engineering firm effective November 2, 2020 (EF-6952), was subject to enforcement action by the Board for practicing and/or offering to practice engineering without proper licensure in violation of La. R.S. 37:681 and La. R.S. 37:700(A)(1) and (9), to wit LAC Title 46:LXIS2301(B). Between February 2015 and April 2019 the firm admittedly provided engineering services on six projects in Louisiana. The firm has entered into a Consent Order with the Board, wherein it admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$3,000; to pay administrative costs of \$705.95; 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.

## LAPELS BOARD MEETINGS FOR 2021



- Monday, May 24, 2021
- Monday, July 26, 2021
- Monday, October 11, 2021

# INDIVIDUALS & FIRMS EXPIRED • 2020

Certifications and licenses for the following individuals and firms expired September 30, 2020. If this is not correct, please contact us

## LAND SURVEYOR INTERN

Bourgeois, Jeff Michael, LSJ

## PROFESSIONAL SURVEYORS

Bolinger, Daniel Lee, PLS  
Caldwell, Wayne Thomas, PLS  
Carriere, Gene Allen, PLS  
Korn, Donald Wayne, PLS  
Miller, Richard Henry, PLS  
Morris, Chad Aaron, PLS  
Rainey, Lester Gary, PLS

## SURVEYING FIRMS

Aptim Coastal, Inc., VF  
Wattier Surveying, Inc., VF

## ENGINEER INTERNS

Allen, Derek Ray, EI  
Ange, Christopher George, EI  
Bailey, Carson Davis, EI  
Barre, Jonathan Daniel, EI  
Beal, William Allen, EI  
Bond, Christopher D., EI  
Bordelon, Donald A., EI  
Boudreau, Jordan Michele, EI  
Bousaleh, Mohammed Saleh, EI  
Bozenovici, Cosmin, EI  
Branch, Adam Keith, EI  
Brewer, Matthew Homer, EI  
Brown, Charles Michael, EI  
Buckel, Michael T., EI  
Buttitta, Nicholas Juliano, EI  
Calogero, Andrew W., EI  
Carrier, Megan Nicole, EI  
Carrigan, Patricia Lillian, EI  
Carter, Benjamin Paul, EI  
Castille, Bryce Patrick, EI  
Catanzaro, Adam Floyd, EI  
Catanzaro, Paul P., EI  
Chambers, Patrick Arthur, EI  
Chastain, Chanel Bolourichi, EI  
Copper, Samuel Verduzco, EI  
Corey, Aerial Elizabeth, EI  
Cottrell, Stephen Alan, EI  
Courville, Louis Armand, EI  
Crabtree, John B., EI  
Crochet, Michael W., EI  
Czischke, Thomas Andrew, EI  
Dahal, Ruzova, EI  
Daigle, Ashley Anne, EI  
Daigle, Austin Patrick, EI  
Daigle, Cleve Michael, EI  
Davies, Richard Henry, EI  
Devereux, Joseph Clement, EI  
Devlin, Cory Anthony, EI  
Dionisio, Christian Thomas, EI  
Dollar, Eric Joseph, EI  
Dore, John Jerome, EI  
Dorsey, Stephan T., EI  
Drapcho, Parke Adam Joseph, EI  
Dupuis, Shannon Paul, EI  
Durio, Lyle Abadie, EI  
Eastridge, Jonathan Robert, EI  
Evans, Daniel Lee, EI  
Everett, Thomas Oliver, EI  
Everhard, Elish Mahlem, EI  
Falcon, Nick, EI  
Falcon, Wade E., EI  
Fazio, Frank L., EI  
Finnegan, Colin James, EI  
Flores, Luis Jose, EI  
Foreman, John Sanders, EI  
Fritsche, Brandt Paul, EI  
Garner, Jordan Seth, EI  
Gathings, Alexis Brooke, EI  
Gervais, Kevin Ray, EI  
Ghaaowd, Ismaail IB, EI  
Gliebova, Kateryna, EI  
Godwin, Whitney Roxanne, EI  
Graham, Mark Thomas, EI  
Gray, William M., EI  
Green, Patrick Timothy, EI  
Griffin, Michael Aaron, EI  
Guillory, Matthew Paul, EI  
Gutierrez, Anne Elizabeth, EI  
Guttenberg, Richard Graham, EI  
Hawkes, Jerry Austin, EI  
Hayes, Corey G., EI  
Heaton, Alexander Clodius, EI  
Heidingsfelder, Kyle Eric, EI  
Henkel, Charles Edward, EI  
Henry, Alexander David, EI  
Hill, Chandler Clark, EI  
Hollier, Steven James, EI  
Holman, Mark Alan, EI  
Hughes, Gregory Andrew, EI  
Jack, Cartez Sawatski, EI  
Jarrell, Dustin Keith, EI  
Johnson, Alex James, EI  
Jolly, Alan Evan, EI  
Jones, Jared Wayne, EI

Junker, Jordan David, EI  
Kannard, Lance Richard, EI  
Karlson, Matthew John, EI  
Keck, James Scott, EI  
Kenny, Robert Michael, EI  
Kern, Timothy Joseph, EI  
Kharel, Shaswot, EI  
Klein, Jennifer Ann, EI  
Landeta, Cory Jay, EI  
Le, Tai Van, EI  
LeBlanc, Trey Louis, EI  
Lehr, Zachary Hayden, EI  
Lombard, Anthony Frank, EI  
Longstaff, Jordan Christopher, EI  
Maggio, Matthew Jacob, EI  
Maltzahn, Rachael Ann, EI  
Mansfield, Suzanne Beth, EI  
Martin, Simon Joel, EI  
McClung, Douglas Jonathan, EI  
McClung, Jeffery W., EI  
Menard, Austin Michael, EI  
Miller, David Wayne, EI  
Mouisset, Travis Lee, EI  
Muller, Carl C., EI  
Mullett, Stephen Craig, EI  
Musser, Luke, EI  
Najim, Ahmed, EI  
Neeb, Katie Grace, EI  
Nelson, Jon, EI  
Nguyen, Thanh Tan, EI  
Nicley, Michael David, EI  
Norris, Kevin Paul, EI  
Paduru, Anirudh Mohan, EI  
Pelafique, Maisie Marie, EI  
Pham, Kim, EI  
Pisciotta, Zachary Alexander, EI  
Pokharel, Rabin, EI  
Populus, Aaron Matthew, EI  
Prouty, Malcolm David, EI  
Qiu, Ryan Welyu, EI  
Raner, Kimberly Dawn, EI  
Reine, Nicholas Jules Joseph, EI  
Richard, Gregory James, EI  
Richardson, Jasmin Shantell, EI  
Riddick, Ashley Ellen, EI  
Roth, Richard John, EI  
Rouillier, Hunter Shelby, EI  
Rowland, Jake Robert, EI  
Salaam, Phillip Ibn, EI  
Salom Romero, Daniel Alejandro, EI  
Samaoui, Anas, EI  
Samples, Cody Ryan, EI  
Sanchez, Blaine Scott, EI  
Schellhaas, Mark W., EI  
Scott, Patrick L., EI  
Seidel, Daniel Fanned, EI  
Shah, Disha C., EI  
Shannon, Stewart Aidan, EI  
Simon, Spencer Mark, EI  
Spillers, John Cody, EI  
Stabile, Francis Thomas, EI  
Stigers, Phillip Edgar, EI  
Tanner, Michael R., EI  
Tedesco, Richard Anthony, EI  
Thistletwaite, Haas Weinstein, EI  
Torres, Cameron G., EI  
Touhey, Bradley J., EI  
Trammell, Timothy N., EI  
Tran, Dzung Hoang, EI  
Triplett, Trey Ross, EI  
Tykol, Andrew John, EI  
Valluri, Raghunandan, EI  
van Iterson, Aric John Egens, EI  
Walker, Jason A., EI  
Watson, Bahiy Aazim, EI  
Watson, Zachary Parker, EI  
Welch, Derek Edward, EI  
Welch, Joseph Jacob, EI  
Williamson, Bruce D., EI  
Willis, Katharine M., EI  
Wolff, Omer Douglas, EI  
Ybarra, Derek Michael, EI  
Zambrano, Krissie Krystle, EI

## PROFESSIONAL ENGINEERS

Abel, Brian Robert, PE  
Aden, Mark David, PE  
Alito, Eva Marie, PE  
Allen, Alton Eugene, PE  
Alvergue, Alejandro Jose, PE  
Ashcraft, Thomas Grayson, PE  
Badeaux, Joseph Alvin, PE  
Baker, William F., PE  
Baldinger, Robert Winston, PE  
Balusek, David Kiser, PE  
Barrett, Justin Wayne, PE  
Batson, Charles Dee, PE  
Bean, Robert Chase, PE  
Beben, David Michael, PE  
Beem, Robert Alan, PE  
Benbow, Michael Stephen, PE

Berard, Carlie Anne, PE  
Bergeron, Robert Patrick, PE  
Berveiler, Peter Cooper, PE  
Bessette, Logan Pierce, PE  
Biesma, Kenneth Lynn, PE  
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Bolinger, Daniel Lee, PE  
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Bray, James Patrick, PE  
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Brown, Steven B., PE  
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Bullen, Robert Howard, PE  
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El-Bahy, Ashraf, PE  
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Holcomb, Bruce Dean, PE

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Iyer, Ramanathan Krishna, PE  
Jackson, James Walter, PE  
Jacobi, James G., PE  
Jangda, Bashir Abdullah, PE  
Jarquin, Jose Antonio, PE  
Joerger, William Verity, PE  
Johnston, Laura Cinnater, PE  
Johnston, Paul, PE  
Jordan, Maurice O., PE  
Kachele, Eric P., PE  
Kaltenbach, Matthew Edward, PE  
Kantha Samy, Madhan Kumar, PE  
Kay, Justin Marion, PE  
Kegley, Charles Gerald, PE  
Kent, Edward Jacil, PE  
Kerr, Patrick Corbitt, PE  
Koberlein, David Eliot, PE  
Kosh, Frederick Kevin, PE  
Kotter, Benjamin Lawrence, PE  
Kreuser, John M., PE  
Kumm, John Joseph, PE  
Lang, Paul William, PE  
Lanham, Craig Randall, PE  
Latzke, Robert Emil, PE  
Lavoie, Pierre Michel, PE  
Lieb, John C., PE  
Light, Seth Michael, PE  
Lindsay, Diane Renee, PE  
Link, Joseph Nelson, PE  
Lizardos, Evans J., PE  
Lyons, Kelly Gene, PE  
Macal, Christopher Charles, PE  
Malla, Sunil, PE  
Marsden, Jared Kent, PE  
Marsh, Mark Lee, PE  
Mbah, Asi Jacob, PE  
McAlister, Troy Michael, PE  
McCasin, Jeremy Patrick, PE  
McCawley, Thomas Quarles, PE  
McFarland, Wayne Edward, PE  
McGinley, Mark John, PE  
McLellan, Charles, PE  
McMillen, James Scott, PE  
McWilliams, Gary Robert, PE  
Meals, Michael Tyler, PE  
Melancon, Roger D., PE  
Menninger, John Robert, PE  
Mezzacappa, David Joel, PE  
Michel, Travis Michael, PE  
Mierzwa, Thomas A., PE  
Miller, James Michael, PE  
Mims, William Y., PE  
Mitchell, Frederick M., PE  
Mitchell, Thomas Dale, PE  
Mohan, Garakhalli S., PE  
Mohlin, Robert Arthur, PE  
Montgomery, George Alexander, PE  
Morgan, Nicholas Galvin, PE  
Moser, Adam Carl, PE  
Mourer, Terry Ellsworth, PE  
Mullis, Andrew Michael, PE  
Munn, Daniel Allen, PE  
Murray, Scott Lynn, PE  
Nasr, Athanacios N., PE  
Nelson, Mark David, PE  
Nicholson, William B., PE  
Norman, David Withrow, PE  
Nothhaft, Mark William, PE  
O'Connor, Richard Peter, PE  
Oke, Akinsowon Okesolabomi, PE  
Pang, Alan Ah Kum, PE  
Parker, Herbert Joseph, PE  
Patel, Amit, PE  
Patel, Ashutosh, PE  
Pater, Richard Edmond, PE  
Patton, Leigh T., PE  
Peacock, Theron M., PE  
Peterson, Tom Edward, PE  
Pettit, David Andrew, PE  
Peyvand, Amirpasha, PE  
Pierce, Daryl E., PE  
Ponder, Terry Lamar, PE  
Potts, Shane Neal, PE  
Prigge, Michael, PE  
Provance, James Shannon, PE  
Rabito, Michael Stephen, PE  
Rachel, Brad John, PE  
Rafiee, Masoud, PE  
Raisian, Hamid, PE  
Rankin, Michael Dale, PE  
Rast, John Lawrence, PE  
Richard, Allen R., PE  
Richard, Rene Andrew, PE  
Riehl, Bill Logan, PE  
Rigsby, Brad Elliot, PE  
Robertson, Dudley Mark, PE  
Robertson, Elliott Wilson, PE  
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Rogers, Mary Evelyn, PE  
Roman, Eugenia Kowalski, PE  
Roseman, Daniel R., PE  
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Schrenk, Brandon Shepard, PE  
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Seibert, Kenneth Lee, PE  
Seitzer, Robert A., PE  
Shaffer, Jerrel Lee, PE  
Shovlin, Peter T., PE  
Silver, David Larry, PE  
Slessar, Carl J., PE  
Slezak, David William, PE  
Slomum, Richard Morgan, PE  
Sticut, Oscar R. D., PE  
Sowell, Stephen Lynn, PE  
Stanaszek, Julie Russell, PE  
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Stephans, Ryan D., PE  
Stewart, Lloyd D., PE  
Stone, Christopher Michael, PE  
Street, William M., PE  
Styskel, Edward Larsen, PE  
Tarabichi, Badr, PE  
Taylor, Douglas Brian, PE  
Teliga, Jennifer Lynn, PE  
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Thoms, Robert L., PE  
Todd, Thomas Irvin, PE  
Tomko, Albert Robert, PE  
Toups, Daniel Lawrence, PE  
Tran, Tuan Quoc, PE  
Trudelle, Richard R., PE  
Tway, Ronald Bryan, PE  
Ulrich, Ray Duane, PE  
Urias, Stephen George, PE  
Van Dam, Thomas John, PE  
Venable, Jeffrey A., PE  
Villareal, Marsha Lynn, PE  
Voss, Charles James, PE  
Wallace, Scott Douglas, PE  
Walker, William Keith, PE  
Warford, Christine Elizabeth, PE  
Watson, Wilburn Reid, PE  
Watts, Christopher William, PE  
Wehling, Terence Eugene, PE  
Whitley, Roy Manley, PE  
Wilborn, Gerald Johnson, PE  
Williams, David E., PE  
Windham, William Terry, PE  
Woods, Glynn Eugene, PE  
Wu, Qingfang, PE  
Xie, Dingming, PE  
Yakar, Koray, PE  
Zerangue, Alvin Anthony, PE

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Pegasus International, Inc., EF  
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LABELS LA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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 Korn, Jacob Daniel, LSI  
 Mills, Madison Edward, LSI

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 Knight, Kim Anthony, PLS  
 Nolte, Mark Wayne, PLS  
 Patterson, Scott Lee, PLS  
 Wyness, Bartholomew, PLS

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 Primoris Design & Construction, Inc., VF  
 Ralph A. Coleman Surveying, LLC, VF  
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 Barker, Kyle Jacob, EI  
 Barnett, Rachel Rose, EI  
 Baudoin, Kyle Michael, EI  
 Bourgeois, Madeline M., EI  
 Braud, Matthew Edward, EI  
 Buta, Austin Jack, EI  
 Carrie, Evan Matthew, EI  
 Charron, Julian L., EI  
 Clottey, Gabriel Attuquaye, EI  
 Cormier, Shelbie E., EI  
 Cribbs, Courtney J., EI  
 Criscoe, Cecily Karen, EI  
 Dao, Devon Nguyen, EI  
 Davis, Austin Keith, EI  
 Deville, Lelia M., EI  
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 Doolittle, Alexander Evan, EI  
 Duracher, Lindsey Marie, EI  
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 Farrow, Logan A., EI  
 Fuller, James David, EI  
 Hameed, Daniyal, EI  
 Harris, Kathleen E., EI  
 Harrouch, Alexis Madeleine, EI  
 Heyl, John Phillip, EI  
 Hill, Renee Catherine, EI  
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 Johnson, Charles Mitchell, EI  
 Johnson, Claiton Adam, EI  
 Johnson, Jonathan James, EI  
 Joubert, John Taylor, EI  
 Kennedy, Grace Kellie, EI  
 Kilpatrick, Olivia Annabelle, EI  
 Kipp, Cy Phillip, EI  
 Lattimore, Michael Lee, EI  
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 Levert, Edward Louis, EI  
 Lobell, Jarrett Timothy, EI  
 McClure, Nathaniel J., EI  
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 Mhire, Lynsey Alexandra, EI  
 Miller, Madison Claire, EI  
 Miller, Trenton Sterling, EI  
 Mueller, Matthew R., EI  
 Muse, Khai C., EI  
 Normand, Michael Mead, EI  
 Peltier, Charlyne M., EI  
 Perret, Blaine William, EI  
 Phillipott, Braeden David, EI  
 Pixley, Jordan Lee, EI

Prejean, Brett Matthew, EI  
 Rageh, Ahmed Eissa, EI  
 Robinson, Bradley W., EI  
 Romero, Nicholas Reed, EI  
 Rone, Emily G., EI  
 Ruppert, Peyton C., EI  
 Sampognaro, Noah Joseph, EI  
 Sartain, Ellis J., EI  
 Schexnayder, Nicolas A., EI  
 Siebert, Brian D., EI  
 Sievenpiper, Laura-Briana, EI  
 Soileau, Maximilian J., EI  
 Sonnier, Brock Neil, EI  
 Spavin, Harry J., EI  
 Steib, Marion J., EI  
 Tejada, Samuel Enrique, EI  
 Trahan, Dreux James, EI  
 Varner, Jessica R., EI  
 Walker, Kiley Martin, EI  
 Weil, Jerome Matthew, EI

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Alvarado, Sandra Patricia, PE  
 Alzamora, Alfonso E., PE  
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 Auwerda, Daniel J., PE  
 Basaran, Mustafa Altug, PE  
 Beagles, Michael Ryan, PE  
 Bearman, Cal Frederick, PE  
 Beene, LaDarren C., PE  
 Benedict, Travis Max, PE  
 Betsill, Matthew T., PE  
 Bomgardner, Seth Thomas, PE  
 Bradley, Jeffrey Louis, PE  
 Brennan, Anneleice Mendez, PE  
 Brinker, Michael Ray, PE  
 Brown, Jeremy David, PE  
 Brown, Michael Douglas, PE  
 Bryan, Austen James, PE  
 Buckner, Christopher Ezekiel, PE  
 Burger, Robert Ray, PE  
 Burns, Melissa Kalen, PE  
 Butler, Grayson Olson Grammes, PE  
 Byndas Prakhov, Jacqueline, PE  
 Campbell, Preston Clay, PE  
 Carmello, Zachary Joseph, PE  
 Castille, Bryce Patrick, PE  
 Catalfomo, Anthony, PE  
 Chambers, Caren Dee, PE  
 Chen, Yanlin Penny, PE  
 Christman, Ralph James, PE  
 Cliff, Charles Dunaway, PE  
 Coira, Christopher, PE  
 Conar, Jeffery Dean, PE  
 Connor, Colin Robert, PE  
 Conser, Meredith Therese, PE  
 Corn, John Michael, PE  
 Curro, Joseph Rinaldo, PE  
 Darlington, Joseph M., PE  
 Davis, James Brandon, PE  
 Davis, Michael A., PE  
 Day, Richard Isaac, PE  
 Deaton, Tucker Allen, PE  
 Deaver, Jason Alexander, PE  
 Decuir, Michael Lance, PE  
 Devero, Richard Udouj, PE  
 Dixon, David Mead, PE  
 Doucet, Bryan James, PE  
 Dow, Benjamin David, PE  
 Duffy, Patrick Gabriel, PE  
 Earnest, Scott Michael, PE  
 Elhaji, Ahmad Nader, PE  
 Emerick, Bradley David, PE  
 Engen, Austin Lee, PE  
 Engindenz, Murat, PE  
 Ezold, Robert Wayne, PE  
 Flasiński, Reid Bush, PE  
 Fogle, Jeffrey Asher, PE  
 Fontenot, Hunter Neil, PE  
 Fornataro, Christopher David, PE  
 Friedman, Jonathan Paul, PE  
 Fulcher, William Case, PE  
 Fulkerson, Steven Paul, PE  
 Garde, Alexander James, PE

Gardner, Mark Patrick, PE  
 Gauthier, Javier Francisco, PE  
 George, William Harold, PE  
 Godwin, Whitney Roxanne, PE  
 Gomez, David Giovanni, PE  
 Goodsell, Mark Wylie, PE  
 Goodson, Tony Edward, PE  
 Guirguis, George Michael, PE  
 Halls, Adam Bradley, PE  
 Hancock, Spencer Christian, PE  
 Hardin, James Nathan, PE  
 Harris, Morgan Adam, PE  
 Harrison, David Thayne, PE  
 Hart, Ethan David, PE  
 Hartney, James Chase, PE  
 Haslauer, Daniel Lance, PE  
 Hebron, Jeremy Brett, PE  
 Heinlein, Grace, PE  
 Hernandez, Fresnel Edmundo, PE  
 Herrera, Robert Jesus, PE  
 Hess, Luke Wilkes, PE  
 Hill, Matthew Jacob, PE  
 Hollingsworth, Joseph Leith, PE  
 Hooks, Richard Allen, PE  
 Hu, Kyle Xinkai, PE  
 Huang, Allen Whei Ping, PE  
 Hunt, Adam Joseph, PE  
 Irion, Russell Thomas, PE  
 Jackson, Adam Christopher, PE  
 Jackson, Charles Davie, PE  
 Jackson, Jordan Frank, PE  
 Jackson, Michael James, PE  
 Johnson, Matthew Alan, PE  
 Jolly, Jonathan Matthew, PE  
 Joseph, Marcelin, PE  
 Kc, Manoj, PE  
 Kehl, Nicholas George, PE  
 Kelley, Devin Eric, PE  
 Kelley, Michael Patrick, PE  
 Kester, Brian Alan, PE  
 Kinslohr, James L., PE  
 Knott, Ronald Lee, PE  
 Kuether, Jennifer Eileen, PE  
 Lal, Reshmi Shylaja, PE  
 Lala, Penny Marie, PE  
 Lamberston, Christi Michelle, PE  
 Lamont, Michael William, PE  
 LeBel, Nicolas Clovis, PE  
 LeBlanc, Matthew Paul, PE  
 Leon, Roberto M., PE  
 Lillo, Channing Paul, PE  
 Lofton, Charles Davis, PE  
 Londono, Jorge, PE  
 Makovec, Brian William, PE  
 Malits, Frank S., PE  
 Mancl, Tyler S., PE  
 Maqbool, Mubashir, PE  
 Marek, Matthew Paul, PE  
 Markevitz, Todd George, PE  
 Mashell, Jason Lynn, PE  
 McBride, Michael Douglas, PE  
 McClure, Kenny Alan, PE  
 McKinney, Claire E., PE  
 Mehta, Krishna Haren, PE  
 Migl, Marvin Denton, PE  
 Mixon, Matthew David, PE  
 Mohamed, Elias Abdelaziz, PE  
 Mohammadrajabi, Mehdi, PE  
 Mojarad, Hamed, PE  
 Montelongo, Raul, PE  
 Morales, Ana Maria, PE  
 Morrison, Calder Jay, PE  
 Most, Paul N., PE  
 Motaleb, Mehdi, PE  
 Moturi, Siva Vinay, PE  
 Mouisset, Travis Lee, PE  
 Murphy, Thomas Paul, PE  
 Myers, Edward J., PE  
 Najera, Edgar, PE  
 Napoli, James Lawrence, PE  
 Natwick, Thomas J., PE  
 Nelson, Michael Travis, PE  
 Neumann, Michael Edward, PE  
 Newsom, Tonya Lea, PE  
 Nicholson, Tommy E., PE

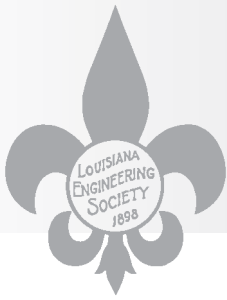
Niehaus, Patrick A., PE  
 Nufer, Lauren R., PE  
 Ourso, Mark F., PE  
 Panariello, Gary Francis, PE  
 Pannabecker, Eric David, PE  
 Parks, Kyle Wilder, PE  
 Partlow, Cody A., PE  
 Pearce, Jenny Lynn, PE  
 Pearce, Samuel E., PE  
 Peppo, Ryan Patrick, PE  
 Peterson, Brian Harold, PE  
 Peterson, Minton Leo, PE  
 Pfeiffer, Bryce Dylan, PE  
 Pfeil, Seth William, PE  
 Phillips, Garret M., PE  
 Phillips, Kyle D., PE  
 Pinto, Christopher Paul, PE  
 Pixley, Jordan Lee, PE  
 Place, Kevin P., PE  
 Pochatko, Thomas T., PE  
 Podany, Christopher Thomas, PE  
 Polena, Sotiel Sam, PE  
 Powell, Brent Thomas, PE  
 Prendeville, Brendan James, PE  
 Quick, Byron K., PE  
 Rader, Marc E., PE  
 Ramapuram, Tirumaleswara R., PE  
 Reece, Gerald Craig, PE  
 Reilly, Hugh Oscar, PE  
 Reitinger, John David, PE  
 Reza, Ali, PE  
 Rhodes, John Daniel, PE  
 Ricaud, Robert D., PE  
 Richards, David Thomas, PE  
 Rivas Prieto, Alejandro Luis, PE  
 Rivera, Joel E., PE  
 Rogers, Brian C., PE  
 Rollins, Jeremy Adam, PE  
 Rollins, Robert Lewis, PE  
 Romero, Dustin John, PE  
 Rose, Christopher John, PE  
 Rosenboom, Christopher Lee, PE  
 Roy, Michael Joseph, PE  
 Ruth, Anthony Ralston, PE  
 Savage, Andrew Lee, PE  
 Schneider, John Kirk, PE  
 Seddighzadeh, Kevin M., PE  
 Self, Reed N., PE  
 Seppelt, Mark Eugene, PE  
 Sharp, Nicole Shelby, PE  
 Shaup, Steven A., PE  
 Shaw, Jeffrey William, PE  
 Shepard, Charles Vernon, PE  
 Shrader, Brock Hunt, PE  
 Simpson, Thomas Edward, PE  
 Skipper, Jeremy W., PE  
 Slater, Benjamin L., PE  
 Smith, Brady Paul, PE  
 Smith, Ethan Alexander, PE  
 Smith, Justin William, PE  
 Sonnier, Tracy L., PE  
 Spangler, Kevin B., PE  
 Spayd, Michael Lee, PE  
 Sprankle, Nicholas George, PE  
 Strahan, Zachary David, PE  
 Thakkar, Jay S., PE  
 Thompson, Kevin Cooper, PE  
 Tolchinsky, Joshua Bradley, PE  
 Tong, Yangbin, PE  
 Trypaluk, Christopher Lawrence, PE  
 Tucker, Paul David, PE  
 Van Gehuchten, John Michael, PE  
 Vane, Andrew Joel, PE  
 Vo, Jeremy Thanh, PE  
 Vogel, Leigh Ann, PE  
 Vogt, Chad H., PE  
 Wagner, Matthew L., PE  
 Wainikainen, Arno O., PE  
 Walsh, Declan Gerard, PE  
 Walton, Jack Alexander, PE  
 Watkins, Derald L., PE  
 Webb, Edward Brian, PE  
 Webb, Matthew Ryan, PE  
 Weber, Michael Kenneth, PE  
 Wellmeyer, Andrew David, PE

White, Thomas Scott, PE  
 White, Trey L., PE  
 Willard, Andrew Tim, PE  
 Williamson, Mariana H., PE  
 Winslett, Stephen Andrew, PE  
 Witt, Michael C., PE  
 Wolfe, Robert Martin, PE  
 Worley, Henry C., PE  
 Wycklendt, Andrew James, PE  
 Xu, Xu Chen, PE  
 Zerfas, William J., PE  
 Zeweldi, Dawit Assefa, PE  
 Zhang, Wein L., PE  
 Zheng, Yang Feng, PE  
 Zitny, Brett C., PE

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 DKO Engineering, PLLC, EF  
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 Gulf Crane Services, Inc., EF  
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 Smithers Engineers & Consultants, LLC, EF  
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 The Consulting Engineers Group-NM, P.C. Corp, EF  
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 Valdes Engineering Company, EF  
 Waskey Bridges, Inc., EF  
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 Wilson Engineering & Construction Services PLLC, EF  
 Windward Engineers & Consultants, LLC, EF  
 Wolf Engineering, LLC, EF  
 World Tower Co., Inc., EF

LAPELS  
 LA PROFESSIONAL ENGINEERING  
 AND LAND SURVEYING BOARD



# Presidential Privilege

William Luke Miller, P.E.

For the past few years, I had the opportunity to watch and learn from some great leaders within Louisiana Engineering Society (LES) as a member of the state board. The on-the-job training was intended to prepare me for my year as President. The past year has not been business as usual, and the state board has had to adapt our way of thinking to continue to move forward through the COVID-19 pandemic.

As we end the 2020-2021 LES fiscal year, I am pleased to report that we were able to adapt our way of doing things and continue to push forward with many of our typical events. We took advantage of the unique situations COVID thrust upon us and made the necessary modifications to continue to host events. Through careful planning and preparation, we were able to host our JESC event in-person this year and move forward with a new in-person PDH opportunity in conjunction with the Transportation Partner's Golf Tournament. We also expanded our online PDH library for remote virtual learning for those who chose to use it.

The successes LES had this year are the result of the hard work put in by our state staff, state board, chapter officers, and membership across the state. We listened to each other and worked together to make the most out of this year. Thank you for being patient with us as we learned to adapt our way of thinking and stepped up to face the unique challenges before us.

I am grateful that I was able to serve as president through this year and am grateful for the members of the state board who served with me. As Winston Churchill said, "We make a living by what we get, we make a life by what we give." Thank you for allowing us to give a year of service to you through the LES Board and good luck to the 2021-2022 board as they pick up the mantle and run with it.



William Luke Miller, P.E.  
Louisiana Engineering Society President

## LES SEMINAR CALENDAR 2021

### May 2021

- 17 ADA Seminar by Brett Bayard - Baton Rouge  
In person & virtual attendance (4 or 8 PDH's)
- 25 Life Safety Code by Warren Bonisch -  
Shreveport  
In person & virtual attendance (4 or 8 PDH's)

### June 2021

- 3 Multiple topics with multiple speakers -  
St. Francisville  
In Person & virtual attendance (5 PDH's)

### September 2021

TBD ADA and Life Safety Code Seminars will be repeated

### October 2021

TBD Project Management

*Visit the LES On Demand Library for Ethics and other seminar opportunities!*



## Spread the Word about LES!!!

Sponsor a new LES Member by inviting your colleagues to join you as a member of the only organization representing the interest of all engineering professionals.

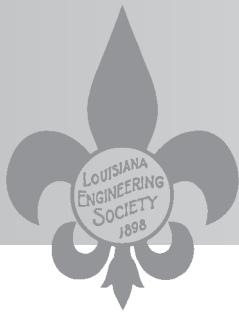
- Invite them to join you at a chapter event
- Encourage them to visit the LES website and Facebook
- Send the State Office a list of colleagues you would like to nominate for membership and we will send them a membership packet, with your name as a sponsor.

**We appreciate your participation in membership recruitment**



Like Us on Facebook!

[www.facebook.com/LouisianaEngineeringSociety](http://www.facebook.com/LouisianaEngineeringSociety)



# Society News

Brenda Gajan, LES Executive Director



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## LES CALENDAR OF EVENTS

### May 2021

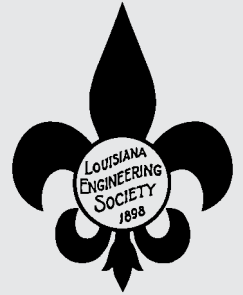
- 8-10 MATHCOUNTS National Competition – Virtual
- 17 ADA Seminar – Baton Rouge, LA & Virtual via GoToWebinar
- 25 Life Safety Code Seminar – Shreveport, LA & Virtual via GoToWebinar
- 28 Chapter Officers & Committee Appointments Due to State Office
- 28 Committee Budget Requests Due to State Office

### June 2021

- 3 LES & LEF Board Meeting—  
The Bluffs Golf & Sports Resort, St. Francisville, LA
- 3 LES June Meeting—  
The Bluffs Golf & Sports Resort, St. Francisville, LA
- 3-4 2nd Annual LA Transportation Partners Golf Tournament—  
The Bluffs Golf & Sports Resort, St. Francisville, LA
- 9 General Membership Meeting—Virtual
- 10 Legislative Session Adjourns

### LES Vision Statement:

*The Louisiana Engineering Society is the recognized advocate of all licensed engineers in the State of Louisiana.*



### LES Mission Statement:

*The Louisiana Engineering Society serves to advance the engineering profession by:*

*Encouraging ethical and competent practice through licensure and legislative involvement.*

*Nurturing public awareness of engineers' contributions to society.*

*Growing the society through licensure & LES membership and public service.*

*Recognizing engineering achievements.*

## WELCOME NEW MEMBERS

### Baton Rouge Chapter

Alden Allen, PE  
 Jordan Bergeron, PE  
 Jacques Boudreaux, PE  
 Jose Gurrola-Caballero, PE  
 Corey Nees, PE  
 John Rasi, PE

### Lafayette Chapter

Amanda Bergeron, Student  
 Diego Sanchez, Student

### Lake Charles Chapter

Clint Dyke, PE  
 Konrad Schultz, PE  
 William Stein Jr., PE

### Monroe Chapter

Austin Engen, EI Under 30  
 Peter Ho, Student  
 Walter Smith, PE

### New Orleans Chapter

Thierry Leboulch, PE  
 Michael Leitzinger, PE  
 Alison Michel, PE  
 Digital Engineering & Imaging,  
 Corporate Sustaining  
 Acadian Structural Solutions  
 - Tech Con Systems,  
 Corporate Sustaining

### Non-Resident Chapter

Jentry Dean, PE  
 Asadollah Mardashti, PE  
 Marlin Mullins, PE  
 William Richie, PE

# Alexandria Chapter By: Oliver Neal, PE

We are proud to inform that the Alexandria LES Chapter, as an organization, has had a good year despite challenges. Overall, local LES total membership numbers have remained consistent with previous years. Surprisingly, participation in monthly meetings gained momentum towards the end of 2020 with necessary safety measures in-place and has steadily increased from a year ago. At the end of last summer, we learned that our past meeting venue, a local library, had closed their meeting room for gatherings until further notice. Shortly after, our organization was blessed with an opportunity to utilize the AEX terminal upper meeting room. This location has worked out great as a venue with adequate space, parking, food accommodations, multimedia, etc. In the recent monthly meetings we have had luncheon presentations from Coastal Culverts, Contech and an Ethics presentation from LAPELS. We are still working towards being able to provide virtual participation to members that cannot attend in person monthly meetings. Despite challenges, the Alexandria Chapter expects to grow participation in the upcoming year. Also we are looking forward to sharing and collaboration at JESC and other LES events this summer. It has been a blessing to serve our Chapter as President this past year and glad to have done so after many years as a member.



*Oliver Neal, PE*

# Monroe Chapter By: Hagan Lawrence, PE

The Monroe Chapter had another successful year. We had an average of 24 people attend our in-person lunch meetings. This is the first year we offered a live virtual option for our lunch meetings. We had an average of 5 people attend that each month. So all-in-all, we had approximately 29 members attend each month, which is a number we can be proud of.

The Monroe Chapter awarded two scholarships this year through the Louisiana Engineering Foundation. The recipients were well deserving and were among roughly 800 applicants for LEF Scholarships. We are honored to announce the winners. The scholarship recipients are as follows:

## **Monroe Chapter Scholarship #1 (\$544) - Pierce Miller**

**He is a junior at LA Tech majoring in electrical engineering. His overall GPA is 4.0.**

## **Monroe Chapter Scholarship #2 (\$544) - Armando Borrego**

**He is a junior at LA Tech majoring in mechanical engineering. His overall GPA is 3.63.**

Congratulations to these two students and we hope to have them attend our last meeting in May so that we can honor their accomplishments.

I am proud to say that because of our successful 2019-2021 campaigns, the Monroe Chapter was able to vote and pass a motion to fund each Monroe Scholarship with another \$5,000. This brings each endowed scholarship to a total of \$15,885. This means we will award two \$794 scholarships annually. We plan to continue to grow these endowments and hope that we are making a difference in an engineering student's academic career.

Being a member of LES Monroe Chapter has several benefits, including being able to attend these monthly meetings, two annual conferences, and the limitless networking opportunities at these events. Please consider inviting one of your colleagues to attend a future meeting who may not be a member of the Monroe Chapter. If you are reading this and happen to be in Monroe or the surrounding area, then consider this as your open invitation to come and join us. You can contact me at (318) 387-2710 to get further details about membership and upcoming meetings.

We are looking forward to working hard to ensure that our chapter continues to thrive despite all of the challenges of the past few years. We plan to have an even better 2021-2022.



*Hagan Lawrence, PE*

# Shreveport Chapter By: Taylor Goldman, PE

As this year comes to an end, I would like to thank the Shreveport Chapter officers and members for helping make this unprecedented year a memorable and relatively seamless one. There was a learning curve we had to overcome while trying to provide monthly webinars for our chapter, and despite a few speed bumps, I believe it has been a great success. It has been an honor to serve as the Shreveport Chapter President this year, and I look forward to assisting this chapter however I can in the future.

In the past three months we have learned about utilizing Geopier foundation units for supporting transportation structures in February, were given ethics training by Mr. Jeff Pike, PE in March, and just recently had people from Delta Process Equipment and Industrial Flow Solutions introduce their solution of direct in-line pumping for lift station complications. We look forward to closing out our year of meetings with a presentation from Mr. Scott Ward of Southern Components, Inc. Though the year of webinars has been relatively easy and convenient for most, I believe this chapter is looking forward to getting back to in-person meetings in the coming year, possibly with a webinar elective. I would also like to point out that the Shreveport Chapter's own, Tyler Comeaux, PE, was awarded the F. Hugh Coughlin Young Engineer Award. I believe I speak for our entire chapter, and possibly the entirety of LES, in saying congratulations, and this award is much deserved.

Please feel free to contact me or any of the chapter officers with any questions or concerns regarding our operations, membership and/or future meetings. I would also like to reiterate that I am honored to have served as President of this chapter and look forward to contributing where I can in the future as others take the helm. Thank you all again for this opportunity.



*Taylor Goldman, PE*

# MEET TYLER COMEAUX, PE

Mr. Tyler K. Comeaux, PE earned a bachelor degree in Civil Engineering with a Structural Engineering minor from Louisiana State University. Tyler worked in private consulting for 10 years prior to his employment with the Caddo-Bossier Port Commission. He currently serves the Port as the Director of Special Projects. In this role, Tyler oversees the Port's engineering projects while also assisting in the implementation of the Port's expansion plan. The Port's expansion has been a great success with the purchase of close to 1500 additional acres in the past two (2) years.



Tyler was introduced to the Louisiana Engineering Society (LES) Shreveport Chapter in 2012 which is when he decided to serve as a Shreveport Chapter officer. Since 2012, Tyler has held all chapter officer positions of the Shreveport Chapter in addition to serving as North Louisiana State Director for the 2016-2018 term. He has also served on the LES State Board in all capacities and is excited to help guide the direction of the society for the 2021-2022 calendar year.

Tyler is a native of New Iberia and currently resides in Shreveport with his wife, Katie, and two (2) children, Camille, and Ann Kathryn - with another baby girl, Eloise, on the way (due May 2021). Tyler and his family are active members in St. Joseph's Catholic Church in Shreveport.

## Scholarship Committee Report

by Susan H. Richard, P.E., Committee Chair



Susan Richard, PE

This spring, LES provided five \$500 scholarships to engineering students from Louisiana engineering colleges. The scholarship winners were selected based on their financial need, their academic achievements and their participation in student engineering, civic and community service organizations. Funds for these scholarships came from the dues check off contributions of LES members and individual donations; two were funded through the Louisiana Engineering Foundation scholarship that was established by LES. We commend these individuals for their hard work.

Nineteen applications were received from the deans at all seven of Louisiana's colleges of engineering.

We encourage all members to support engineering scholarship funding by attending the **2nd Annual LA Transportation Partners Golf Tournament at The Bluffs Golf and Sports Resort in St. Francisville, LA** on Friday, June 4, 2021. This event, along with the dues check-off on your dues statement, raises money for scholarships! Your contributions help ensure that engineering education continues to thrive in Louisiana.

**THE SCHOLARSHIP WINNERS WERE:**

**JASE MAYORGA**  
*UL Lafayette*  
*LEF Endowment*

**MAX BROUSSARD**  
*La Tech*  
*LEF Endowment*

**AMMAR NASER**  
*UNO*

**DONDY DORLUS**  
*Southern*

**HONGJIE ZHU**  
*LSU*

# 25<sup>th</sup> Joint Engineering Societies Conference

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**Advanced Drainage Systems, Inc.**

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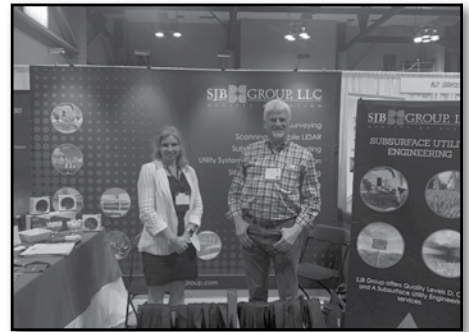
### Exhibitors

Advanced Drainage Systems, Inc.  
Ameripride Products and Consulting, LLC  
APS Engineering and Testing  
Ardaman & Associates, Inc.  
Asset Protection Solutions  
BAR Environmental, Inc.  
BLD Services, LLC  
Cantsink  
CCI Piping Systems  
Coastal Process Systems  
Compliance EnviroSystems, LLC  
Contractor's Source, Inc.  
CROM  
D&W Systems

Delta Process Equipment  
Ductile Iron Pipe Research Association  
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Wholesale Pump & Supply

# JESC Conference Highlights



# A. J. Szabo Award of Merit



*Christopher K. Richard, P.E.  
LEF President 2008-2014*

The A. J. Szabo Award of Merit is awarded for outstanding effort toward the advancement of the Louisiana Engineering Foundation. The award is named to honor A. J. Szabo, PE, a founder and first Vice President of LEF. He went on to serve as President from 1985 - 1987.

The first recipient of the A.J. Szabo Award of Merit is Christopher K. Richard, P.E.

Christopher K. Richard, P.E. of Domingue, Szabo and Associates, Inc., Lafayette, Louisiana, led the Louisiana Engineering Foundation through its most successful fundraising effort, culminating with the retirement of Louisiana Engineering and Surveying Center's mortgage in full.

As President of the Foundation, Chris proposed an innovative fund-raising program that had two purposes: retiring the debt on the Louisiana Engineering and Surveying Center and establishment of the Foundations first Endowed Scholarships. The program entailed a simple and elegant way for contributors to establish endowed scholarships, the funding of which was utilized to retire the debt on the building. Thanks to the generous contributions received, the five-year program reached its goal in only four years. In those four years, the money raised retired the \$485,000 mortgage while at the same time established the Foundations first 24 Endowed Scholarships.

From that point forward, the rent proceeds have been used to fund the endowment and scholarships, which was the original goal of the Engineering Center's construction. Since that time, the program has continued to grow. There are currently 32 endowed scholarships totaling over \$560,000. To ensure the continued growth, Chris set up the Foundation's Financial Committee and developed an Investment Policy to guide the endowments investments into the future. In 2020, there were over 900 applications from across the state for the various scholarships made available through this program.

Chris has served continuously on the Foundation Board since 2001. While serving on the LEF Board, Chris also served on the Board of the Louisiana Engineering Society's Board of Direction. Chris served on the LES Board from 1998-2020, holding various positions on the Board including President, NSPE Representative and State PEPP Chair. Chris also served as NSPE National PEPP Chair. Chris has served on and chaired numerous LES State Committees over the years.

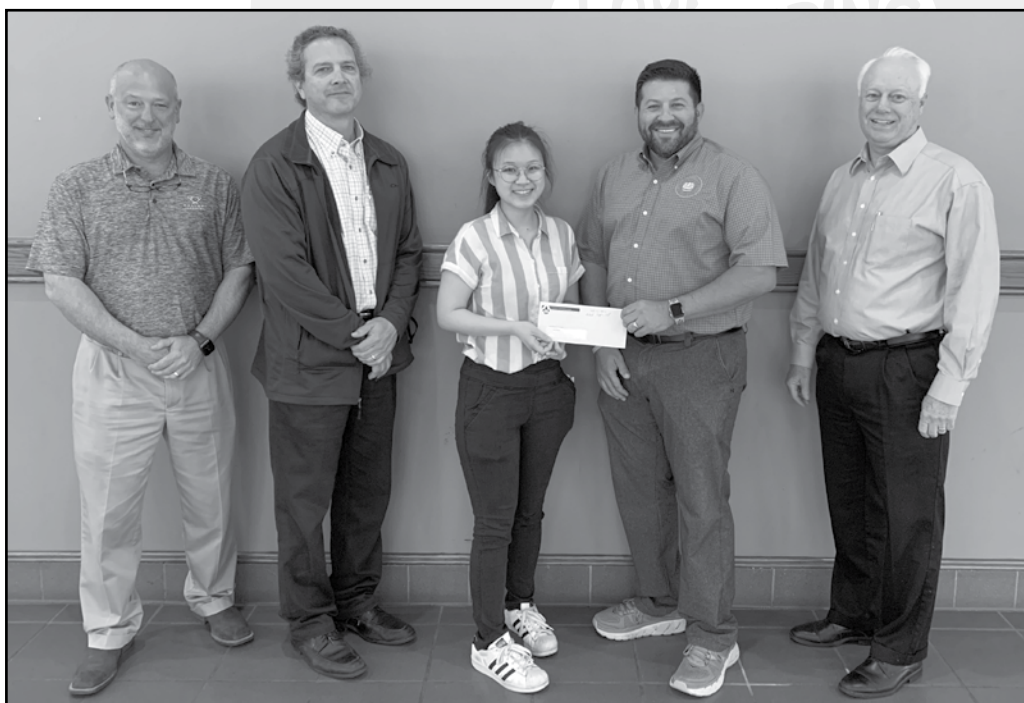
Through his years of service to LES and LEF, Chris has been awarded the F. Hugh Coughlin Young Engineer Award in 1998, The Waldemar Nelson Presidents Award in 2004 and 2011, Named and NSPE Fellow in 2012 and awarded the Dudley Hixson - Bobby Price National Professional Achievement Award in 2013.

Chris Richard gave freely of his time and talent to reach this goal and epitomizes the virtues of leadership and tenacity.

# J. M. Drake Endowed Scholarship

Clare Chong is this year's recipient of the J.M. Drake Endowed Scholarship. Clare is a Junior in Chemical Engineering at the University of Lafayette.

Pictured with Clare are members of the LEF Scholarship Committee; Jason Thornhill, Chris Richard and Alan Krouse. Also pictured is Byron Racca, LEF President.



## 2<sup>ND</sup> ANNUAL LA TRANSPORTATION PARTNERS GOLF TOURNAMENT



SCAN ME

THE BLUFFS GOLF AND SPORTS RESORT  
 14233 SUNRISE WAY, ST. FRANCISVILLE, LA 70775  
 JUNE 4, 2021

Sponsored by the Louisiana Engineering Foundation (LEF)  
 All proceeds to benefit the LEF Scholarship Fund  
 LEF Tax ID 72-0868899

**FORMAT:** Eighteen-hole tournament (individual stroke play) with a morning round (8:00 a.m.- 1:00 p.m.) shot-gun start. Flights will be determined by blind draw from tournament scores. Players limited to first 120 paid entries.

**ENTRY FEE:** One hundred dollars (\$100.00) per player, includes tournament green fee, shared cart, refreshments on course and lunch. Entry fee must be received with entry form or online registration no later than 4:00 PM on Friday, May 15, 2021.

**HOW TO ENTER:**

ONLINE WEBSITE: <https://lef.les-state.org/>

MAIL: Make checks payable to LEF. Entry forms and monies should be mailed to:

Louisiana Engineering Foundation  
 9643 Brookline Ave, Suite 116  
 Baton Rouge, LA 70809  
 C/O Brenda Gajan

**NOTE: NO MONIES WILL BE REFUNDED AFTER THE CUT OFF DATE (May 15).**

**SPONSORSHIP LEVELS:**

**EAGLE - \$1,500.00:** Eagle level sponsorships will receive complementary entry fee for four players, website and hole sign recognition.

**BIRDIE - \$1,000.00:** Birdie level sponsorships will receive complementary entry fee for two players, website and hole sign recognition.

**PAR - \$500.00:** Par level sponsorships will receive complementary entry fee for one player, website and hole sign recognition.

**ON-COURSE TENT - \$1,500.00:** Six locations for company tent sponsorship are available as follows:

Bloody Mary (Holes No. 2 & 13)	Mimosa (Holes No. 7 & 16)
50/50 Contest (Hole No. 7)	Photo Shot (Hole 17)

Ditty Bag and/or door prize donations w/ company logos are welcome: towels, golf balls, tees, etc.

If you are interested in being a tent sponsor or providing larger sponsorship support, please contact Brenda or Mark for details and availability.

Louisiana Engineering Foundation	Brenda Gajan	<a href="mailto:brenda@les-state.org">brenda@les-state.org</a>	225-924-2021
Tournament Contact:	Mark Morvant	<a href="mailto:markjmorvantpe@gmail.com">markjmorvantpe@gmail.com</a>	225-324-1109



# LES June Meeting



Make plans now to join us at the LES June meeting to be held on June 3, 2021 in conjunction with the 2<sup>nd</sup> Annual LA Transportation Partners Golf Tournament at The Bluffs Golf & Sports Resort in St. Francisville, LA. All Engineers from all disciplines are welcome to attend and will earn up to 5 professional development hours! Also, join us for an Ice Breaker & Dinner Event Thursday evening featuring keynote speaker, Dr. Shawn Wilson, DOTD Secretary!



**LES June Meeting**  
In Conjunction With  
**2nd Annual LA Transportation Partners Golf Tournament**  
**The Bluffs Golf & Sports Resort**  
14233 Sunrise Way, St. Francisville, LA 70775



Thursday, June 3, 2021

9:00-9:30 AM — LEF Board Meeting

9:30-11:30 AM — LES Board Meeting

11:30—Noon—Break with Exhibitors

Noon—12:55 PM— **Lunch-N-Learn—Louisiana Coastal Projects, Programs, and Initiatives—Rudy Simoneaux, III, PE**

Break with Exhibitors

1:00-1:50 PM—**Air-Vac Vacuum Sewer Technology—Gary Lewis**

Break with Exhibitors

2:00-2:50 PM—PDH Opportunity —TBD

Break with Exhibitors

3:00—3:50 PM—**Drainage Systems & Resilient Infrastructure Review—Don Conrad**

Break with Exhibitors

4:00—4:50 PM—**2021 Legislative Session—Ryan & Randy Haynie**

Break with Exhibitors

5:30-8:00 PM — “Ice Breaker” and Dinner Event with key note speaker, Dr. Shawn Wilson , DOTD Secretary

Friday, June 4, 2021 LA Transportation Partners Golf Tournament

7:00-8:00 AM—Catered breakfast

8:30-1:00 PM—Guest Event—Tour of St. Francisville—includes a guided tour of the Myrtles Plantation, lunch at the Magnolia Café and shopping in the St. Francisville Historic District. Admission to the Myrtles Plantation (\$10.00) and lunch will be individually paid for at the sites.

8:00-1:00 PM - Golf Tournament

1:00 PM - Awards Luncheon

Afternoon Flight if necessary

**MATHCOUNTS****STATE MATHCOUNTS COMPETITION**

By: Becky Johnson, PE

The 2020-2021 MathCounts competition had many challenges this past year. The competition series moved to an on-line competition. Some unique changes for this competition year included:

Up to 15 individuals could compete from a school.

The Chapter competition was held in two parts. The first part took place on February 5th. The top scoring student from each school and the top 20% of individuals from each Chapter advanced to round two of the Chapter competition, the Chapter Invitational.

The Chapter Invitational took place on February 25th. The top students from the Chapter Invitational moved to the State competition.

The State Competition took place on March 25th.

The top individuals from each state will receive an all-expense -paid trip to the Raytheon Technologies MathCounts National Competition from May 8th to May 11th.

There were 16 schools that participated in the state competition, represented by 36 students.

**The schools participating in the state competition included:****Alexandria Chapter**

Natchitoches Magnet

**Baton Rouge Chapter**BASIS Baton Rouge Materra  
Glasgow Middle  
Catholic High  
Episcopal  
LSU Lab School  
St. Thomas More  
St Jude the Apostle**Lafayette Chapter**Episcopal of Acadiana  
Paul Breaux Middle  
Our Lady of Fatima**New Orleans Chapter**Nighthawk Academy  
Haynes Academy for Advance Studies  
Lake Castle Private**Monroe Chapter**

A.E. Phillips Lab School

**Shreveport Chapter**

Caddo Middle Magnet

**The top 4 students that will represent Louisiana in the National Competition are:**Alex Pan, *Glasgow Middle School*Varun R. Gala, *Glasgow Middle School*Kevin Y. Zheng, *Catholic High School*Ishan Kunada, *Paul Breaux Middle School*

*We wish these competitors the best of luck in this unusual competition year.*

**CONGRATULATIONS TO ALL OF THE PARTICIPANTS AND TO ALL OF OUR WINNERS.**

**MATHCOUNTS could not be put on without the dedicated help of many volunteers and support from the community.**

**A big thank you to the following volunteers and sponsors:**

**Our Major Sponsors:**

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**Other Sponsors and Supporters:**

Aillet, Fenner, Jolly &amp; McClelland

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SJB Group

Alan Krouse

LES New Orleans Chapter

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LES Alexandria Chapter

LES Shreveport Chapter



# 2020 Engineering Excellence Award Winners

# ACEC

AMERICAN COUNCIL OF ENGINEERING COMPANIES



welcomed firms, partners, and the owners who worked hand in hand to deliver on these award-worthy projects.

We honored 14 projects performed across the country. From New Orleans to Natchitoches and South Arkansas to Seattle. Whether civil or MEP. Public or private. These projects represented engineering at its best. They represented uniqueness and innovation, value to the engineering profession and enhanced public awareness. They adhered to social, economic, and sustainable development and fulfilled their client's needs. Simply put, they are tangible examples of the essential role engineering plays in the everyday lives of Louisiana citizens. For additional information on these award winning projects visit <https://www.acec.org/acec-of-louisiana/awards/eea-awards/> to view the 2020 EEA Magazine.

Although delayed, ACEC refused to let 2020 rob us of the opportunity to recognize and honor the firms, clients and projects that were judged to be worthy of an Engineering Excellence Award. On March 26, 2021 we celebrated engineering at the 2020 Engineering Excellence Awards gala held in Baton Rouge. We

## CONGRATULATIONS TO OUR GRAND AND HONOR AWARD WINNERS



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Associated Design Group, Inc.



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Hunt, Guillot & Associates



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Digital Engineering & Imaging, Inc.



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# Capitol View: from Haynie and Associates

[www.haynieandassociates.com](http://www.haynieandassociates.com)

The Louisiana Legislature has returned to Baton Rouge for the 2021 Fiscal Legislative session which began April 12th and runs through June 9th. All anticipate this session to be very active and often contentious. The Legislature is set to take up some major issues including tax reform, centralized sales tax, sports betting, and insurance items resulting from the major storms in SW Louisiana among others. I don't see any engineering fights this session but like all of us are hoping infrastructure dollars will come down from the Federal Government.

The bill filing deadline in Louisiana for general bills has passed, and to date, the House has filed 697 bills and the Senate 243 bills, a relatively low count, but a potent array of subject matters that will keep the legislature working through the next 8 weeks.

The State's budget will also be a focus as both the House Appropriations and Senate Finance committee will continue to discuss the proposed state budget and the impact of additional federal dollars coming down. While the economy and tax collections in Louisiana are still lagging because of COVID 19 interruptions, the federal stimulus dollars that continue to come to the State has made the upcoming budget process more about how to spend the dollars instead of where to cut. How to appropriately and best spend the federal dollars (one-time dollars) while not growing the state's future year budgets will be a central debate.

Legislative committee agendas will be sent to you directly both with weekly reports and as they are released when items of interest are scheduled but you can always reach out or follow along yourself at the state's easy-to-use legislative website [www.legis.la.gov](http://www.legis.la.gov).

I encourage our LES members and local chapters to reach out to their House and Senate members over the rest of 2021 and introduce yourself and let them know that you appreciate their public service and will be in touch on any issues of concern or may ask for their support of the engineering profession.



*Ryan Haynie and Randy Haynie*

# Eco-friendly Water Pressure Station Design Mitigates During Hurricane Laura!

**August 27, Hurricane Laura** makes landfall with near peak intensity in Cameron Parish, LA. It is the tenth-strongest U.S. hurricane rated by windspeed on record and brought a nearly 10' storm surge. Holly Beach was extensively damaged by the nearly 150mph winds. The town of Hackberry was severely damaged by storm surge flooding. Post hurricane reports 80 water utilities inoperable leaving about 200k people without water. After repeated distribution pump damage due to hurricanes, Cameron Parish Waterworks #10 engineers chose to mitigate with a booster station designed to perform efficiently while protecting pumps during storms. The Tube Pump System (TPS) was installed into 4 pressure stations at the Holly Beach/ Hackberry areas as part of hazard mitigation plans. Post hurricane equipment reports by CPWW10 showed absolutely no distribution pump damage. TPS pumps were able to be brought back online immediately with generators and without prestart procedures. The FEMA funded project proved to be a mitigation success!



T-handle - allows closure of valve at rear of tube allowing pump service without draining the water tank  
Elevated Control Platform - built above recorded flood levels

**The Tube Pump System (TPS)** is designed to house its high performance multi-staged pumps inside the ground storage tank of a pressure station. TPS insulates the pumps from threats outside the tank be it weather or manmade, such as vandalism or acts of terror. By eliminating the pump house, it also allows for smaller station designs. That coupled with its water cooled and lubricated pumps, makes TPS extremely eco-friendly. Bottled water distribution can be drastically reduced when a utility can continue service after major storm events. Thus, lessening the negative impact on the environment citing that plastic is directly contributing to climate change.

Maintenance free pumps offer reliable service even during pandemic situations that may cause staffing issues. Technicians unavailable due to illness is not an issue for utilities with TPS. Being maintenance free and having a 25-year history of extremely low calls for pump service, makes TPS exceptionally resilient. TPS is a greener application while providing solutions to a water utility's vulnerabilities to disruptions of distribution due to malevolent acts as defined in EPA's RRA 2021. The uncertainty of the future with greater numbers of storms predicted and continued pandemics, means placing a priority to design resilient infrastructure to perform during both situations. Engineers can design the best water pressure station to mitigate, solve RRA issues, and perform efficiently using equipment like Tube Pump Systems. Cameron Parish Waterworks #10 is glad their engineers chose TPS for its station design.

Written By: Stacie Ford For more information about TPS go to [ameriprideproducts.com](https://ameriprideproducts.com)

*"We would have come back to weeks of rebuilding with the old system. Parts would have been probably weeks or months away and no one wants or has the time to drive down here to the coast of Cameron Parish. If they do come, the travel fees are expensive. "*

*"Everything about this pumping system brings positive applications to our water system, especially in our harsh environment. Thank you for an excellent design, performance, and worry-free maintenance product. Hurricanes Laura and Delta had no harsh effects on any of our 9 tube pumps at the 4 pump sites. Great product! Great service!"*

*FEMA should make these pumps mandatory for any water system in a harsh environment like ours."*

*CPWW10 Operator Jeff Landry*

# “Footsteps in History”

*Reprinted from Louisiana Engineer magazine, August 1974*

Spanning Lake Ponchartrain at its widest point and over its deepest water, a steel and concrete structure curves out of sight over the horizon. The Ponchartrain Causeway, a 23.8 mile engineering marvel and the longest highway bridge ever built, seems to stretch to the end of the world. Unique construction makes it one of Louisiana's great landmarks.

Since 1830, when Bernard Xavier de Marigny de Mandeville founded his estate on the lake's far shore, New Orleanians had dreamed of a bridge to his northern piney woods. Because the ground is higher there, the temperature is always 10 degrees cooler, and for over 100 years New Orleans families ferried across each summer to escape the sweltering heat of the city.

Cool Ponchartrain breezes and the sweet scent of pine needles weren't the only attractions of the north shore. Hemmed in on one side by the lake and on another by the Mississippi River, New Orleans had little room for expansion. A bridge across Ponchartrain had long been recognized as a way to bring new areas of undeveloped land within easy driving distance, giving the Crescent City a direction in which to grow.

With this incentive, why did it take so long for the Causeway idea to become a reality? The answer was simple – cost. A bridge of such great length had never been attempted because conventional building methods were impossibly expensive. In fact, the enterprise seemed so great in magnitude that most New Orleanians called it “just a dream.” But some of them took the proposal seriously. A Causeway Commission was appointed, and they in turn contracted the engineering firm of Palmer and Baker, Inc. to study the problem.

The engineers searched for a way to build the bridge at a reasonable cost. Finally, they conceived a design that would permit the contractor to use mass production methods. The bridge would be constructed in sections on shore, ferried across the water and placed in position.

First, huge dredges dug a long canal through a 40-acre cypress swamp near the bridge site. Spewing excavated dirt as they worked, the dredges raised the level of the land nearly seven feet to offer a sturdy foundation for a plant to manufacture the road sections. On the water, floating pile drivers began smashing concrete pilings down into Lake Ponchartrain's soft bottom. Later, giant crane barges followed, lifting the 185-ton concrete sections into place – 2240 of them, one by one.

On August 4, 1956, less than 15 months after the first pile was driven, the last section of roadway was moved into position. Experts had criticized the mass production design, claiming the method would take too long. But the \$46 million span was completed four months ahead of schedule, and before it was finished, thousands of engineers had come to marvel at the great feat of engineering skill.

Man's ingenuity had overcome the obstacles that nature had placed before him. Determination and unbreakable confidence had produced a world-famous landmark, and made a 125-year-old dream come true.

# 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, 2021, and one ending December 31, 2021.

The LES Nominating Committee nominates Ali M. Mustapha, P.E. for July 1st position and Jim Ferguson, P.E. 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 employer 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 30th. 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, 2021 – June 30, 2022)**

- Ali M. Mustapha, P.E.
- \_\_\_\_\_  
For Write-in Candidate

### **POSITION TWO (Term January 1, 2022 – December 31, 2022)**

- Jim Ferguson, P.E.
- \_\_\_\_\_  
For Write-in Candidate



# Louisiana



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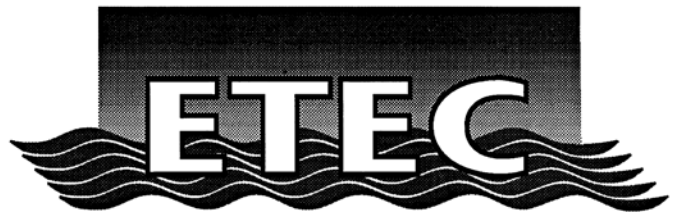
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- Planning
- Construction Services