



# L'ARPENTEUR LOUISIANE

NOVEMBER 2021

VOL. 60 NO. 4

*Happy Holidays*



# L'ARPELITEUR LOUISIANE

NOVEMBER 2021

VOL. 60 NO. 4

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*Special Thanks to our Contributing Writers.*

Articles submitted will be considered for publication and should be emailed to: [lsps@lsps.net](mailto:lsps@lsps.net). Please contact the office with any questions.

*The officers and board of LSPS and editors of this publication do not necessarily endorse opinions expressed by individual writers included herein.*



The *L'Arpeur Louisiane* is published quarterly as a service to the members of the Louisiana Society of Professional Surveyors. As stated in the LSPS Articles of Incorporation, the LSPS is "organized for the following purposes and to carry out the same:

Enhancing the status of the Land Surveying Profession by:

- 1) Maintaining high technical and cultural standards for entrance to the Society.
- 2) Cooperating with educational institutions in the maintenance of high standards of education in Land Surveying.
- 3) Requiring a high standard of ethical practice by members of the Society.
- 4) Aiding in the adoption of high standard of attainment for the granting of the legal right to practice Professional Land Surveying.
- 5) Fostering among students of Land Surveying the study of philosophy and history, tradition and achievement, duties and social functions of the Land Surveying Profession.
- 6) Encouraging the personal and professional development of young Land Surveyors.
- 7) Supporting activities looking to the increased employment of Land Surveyors and seeking new opportunities for service in Land Surveying."

## LSPS ADVERTISING RATES:

SIZE	COST PER ISSUE	PER YEAR
FULL PAGE INSIDE	\$700.00	\$2200.00
FULL PAGE BACK COVER	\$800.00	\$2800.00
½ PAGE	\$400.00	\$1400.00
¼ PAGE	\$200.00	\$600.00

All ads are prepaid. Ad and payment should be sent to LSPS by the 15th of the month prior to publishing. Issues are published in August, November, February and May. Please mail to address listed above.

*Prices apply to camera-ready copy.  
A charge will be added for creation of an ad or art work.*



## ***PRESIDENTIAL PRIVILEGE***



**Don "Ricky" Wood, II**  
*LSPS President*

Dear Membership:

What a year we are having. The Pandemic had almost everything shut down then mandates were lessened so that we could have our in-person convention in Bossier City. Then the Delta Variant started to increase the COVID cases again. Now, certain mask mandates have been lifted, again. One thing is for sure, we will all remember 2020 and 2021 with a certain amount of respect for the enduring nature of Louisiana's Citizens and our members of LSPS.

That being said, some things do not slow down. That would be technology developments and all areas associated with new things. The use of Drones or UAV's (Unmanned Aerial Vehicle) has now uncovered some other needs for the continued development of their uses. Mr. Stan Ard, Survey Manager, LA DOTD, was LSPS's first appointee to the new Drone Advisory Committee established this year by Louisiana Department of Transportation and Development to assist with the further development of Drone use. Stan reported, from their October meeting, there was not too much that would affect surveying at this time. However, the new hot topic of "Drone Highways" was a prominent discussion topic. We as landowners, have not given much thought to the "aerial rights" above all our privately owned lands in Louisiana but others may be seeking out that area for possible commercial use. This aerial space referred to is the area from the surface upward 400 feet. The FAA already controls the space above the said 400 feet. Stan made a motion to get a legal opinion from LA DOTD to see if Drone Highways can be on top of the existing State/Parish Routes. His motion was immediately amended by the LA State Police to get an opinion from the FAA regarding this same issue. For now, we will have to see what the requested opinions reveal. A special group was formed at this meeting to study and report on this subject which Stan volunteered to be on.

There is already a nationwide group, **AUVSI (Association for Unmanned Vehicle Systems International)** setting up committees to get the **Drone Highway** action moving. We can see that this will have a commercial interest for such things as drone delivery, across the state and/or country. It seems like the aerial space of our property could become another servitude or easement just as pipelines, utility servitudes, access of passage, etc. but encumbering the aerial space of our land. Private property ownership rights is where this may affect Surveyors but will definitely impact everyone that owns real property. We would like to thank Stan for his in depth involvement with the Drone Advisory Committee and this specific group to be able to report all that is discovered concerning Drone Highways.

Should anyone have any questions or comments regarding this topic or any others, feel free to contact me directly at [ricky@polarisservices.net](mailto:ricky@polarisservices.net) or any of our Board Members or District Chairman.

Be careful and work safe.

Sincerely,  
Don "Ricky" Wood, II



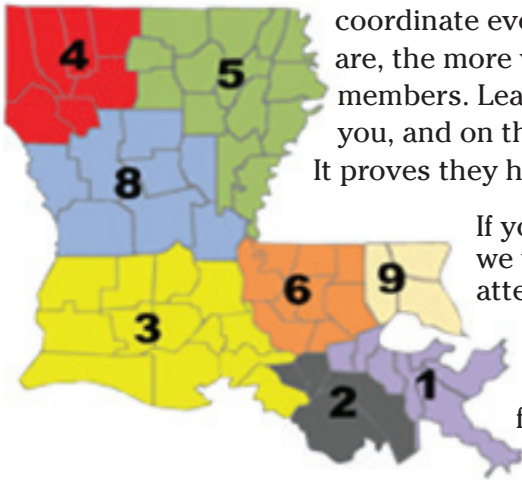
# LSPS DISTRICT INFORMATION

## WHY ATTEND A DISTRICT MEETING?

**Networking** – Who knows more about opportunities in surveying, than those active in it?

**Educational Benefits** - Want to stay of top of our profession? Most meetings offer opportunity for upgrading your experience through top speakers in our field.

**Leadership Opportunities** – It is not enough to just join a district. Take advantage of opportunities to get involved in committee work, serve some time as an officer, and help coordinate events. The more active you are, the more visible you become to other members. Leadership roles reflect well on you, and on the company that employs you. It proves they hired a winner!



If you are not an LSPS member, we would like to invite you to attend a District meeting in your area. Contact the LSPS office at [lsp@lsp.net](mailto:lsp@lsp.net), or the chairman in your area for details about upcoming meetings.

DISTRICT	CONTACT INFO
District 1	John Teegarden <a href="mailto:jteegarden@ascellc.com">jteegarden@ascellc.com</a>
District 2	Andrew Szush <a href="mailto:andrew.szush@tbsmith.com">andrew.szush@tbsmith.com</a>
District 3	Shawn MacMenamin <a href="mailto:smacmenamin22@gmail.com">smacmenamin22@gmail.com</a>
District 4	Jason Westerman <a href="mailto:redchuteland@gmail.com.com">redchuteland@gmail.com.com</a>
District 5	Jon Braswell <a href="mailto:jbraswell@sehuey.com">jbraswell@sehuey.com</a>
District 6	Jean Reulet <a href="mailto:jean.reulet@tbsmith.com">jean.reulet@tbsmith.com</a>
District 8	W. Aaron Wood <a href="mailto:aaron.wood@woodsurveying.com">aaron.wood@woodsurveying.com</a>
District 9	Dennis Gowin <a href="mailto:dgowin@ddgpc.com">dgowin@ddgpc.com</a>

### LSPS Districts

We would like to invite you to attend a District meeting in your area. Contact the LSPS office at [lsp@bellsouth.net](mailto:lsp@bellsouth.net) or the chairman in your area for details about upcoming meetings.



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432-276-3300



# LSPS ANNUAL AWARD NOMINATION+

We are seeking nominations for the LSPS Surveyor Excellence Award, the Life Member Award, and the Young Surveyor Excellence Award. Please review these specific considerations:

### Life Member:

1. Must be LSPS Member of long standing, i.e., 25 years or more.
2. Must have actively contributed to the growth of LSPS during his career (e.g., may served as officer or director of LSPS), but need not be active at the time of nomination.
3. Should enjoy an outstanding reputation for his knowledge, integrity and professional competence, especially among the members of his District.

### Surveyor Excellence Award:

1. Must be registered member of LSPS.
2. Must have taken an active and continuous role in contributing to the growth and advancement of both LSPS and the surveying profession (e.g., may have served as an officer or director of LSPS, may have served as a member of the State Registration Board or as an office or director of national surveying organizations).
3. Nominees should presently be actively involved in the operation of LSPS, as evidenced by attendance at chapter meetings and annual meetings, by serving on LSPS committees, etc.

4. Nominee should enjoy an outstanding reputation for his knowledge, integrity and professional competency, especially among the members of his district.

### Young Surveyor Excellence Award:

1. Must be registered member of LSPS.
2. Must be under 35 years old.
3. Nominees should presently be actively involved in the operation of LSPS, as evidenced by attendance at chapter meetings and annual meetings, by serving on LSPS committees, etc.
4. Nominee should enjoy an outstanding reputation for his knowledge, integrity and professional competency, especially among the members of his district.

The Board of Directors of LSPS may choose to honor one or more members of the Society at the LSPS annual meeting. Presentation of an annual award is not mandatory. Any of the awards discussed herein may be presented to a single individual, may be awarded to more than one individual or, in some years, may not be awarded at all. A list of past recipients of these awards can be viewed at [www.lsp.net](http://www.lsp.net).

Nominations may be submitted by any member of LSPS but should not be submitted by relatives or business associates.

Please submit your nomination to LSPS no later than January 31, 2022.

## WANT TO GET INVOLVED? YOU CAN HELP

BY VOLUNTEERING TO WORK WITH ONE OF THE FOLLOWING:

*Thanks!*

Legislative Committee

Education Committee

Newsletter Committee

Seminar & Technical Education Committee

Scholarship Committee

Promotion of the Profession Committee

and others.

If you would like more information, please call the LSPS office at 225/925-5800 or email [lsp@lsp.net](mailto:lsp@lsp.net).



# NICHOLLS GEOMATICS PROGRAM UPDATE

By: Dr. Esra Tekdal-Yilmaz

Fall 2021 has been a challenging semester here at Nicholls State dealing with both hurricane Ida and lingering COVID 19 issues. We were very fortunate to know most of our students and their family are safe and back on campus. I would like to share a few good news regarding our program in these difficult times. The Nicholls Geomatics Program was awarded the 2021 NCEES Surveying education award. We were placed in the top three programs in the nation for the third time. We are receiving this award again after a gap of four years. We had a successful NCEES Surveying Education awards ceremony at Nicholls. Donna Sentell and Wilfred Fontenot from LAPELS presented our program with the 2021 NCEES Surveying Education Award.

Dr. Balaji Ramachandran has been appointed by Nicholls President Dr. Clune to serve as the representative on the Louisiana Drone Advisory Committee (DAC). Dr. Ramachandran's effort helped Nicholls achieve the distinction of being the first school in the state to adopt drones for peaceful research application in 2006. He will be bringing his expertise and invaluable experience to the DAC. Dr. Ramachandran is also Co-PI on RESTORE-ACT Center of Excellence grant worth \$495K titled "Ecological and Social Ridge Dynamics in the Barataria-Terrebonne Basins." He will be investigating data fusion techniques involving Hyperspectral and LiDAR data derived from small Unmanned Aerial Systems (sUAS).



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***Dufrene Surveying & Engineering, Inc.***

***Joseph C. Picciola II***

**LOUISIANA SOCIETY OF PROFESSIONAL SURVEYORS EDUCATION FOUNDATION**

9643 Brookline Avenue, Suite 108, Baton Rouge, Louisiana 70809 - (225) 925-5800

**SCHOLARSHIP APPLICATION**

A \$1000 Scholarship is awarded to a High School Senior residing in Louisiana, planning to pursue a career in surveying through the “Geomatics” program offered at Nicholls University. The scholarship is awarded in 4 equal payments over a 4-year period, as long as the recipient remains a full-time student and maintains a 3.0 cumulative grade point average. The Foundation requires that the recipient submit their class schedule at the beginning of each semester and their grades at the end of each semester.

**Return this application along with:**

- School transcript,
- Three character recommendations in the form of letters to LSPS (no relatives) and extracurricular activities to the address above. **DEADLINE March 1, 2022.**

1. **Personal Information**

Name \_\_\_\_\_

Address \_\_\_\_\_ Parish \_\_\_\_\_

\_\_\_\_\_ Phone \_\_\_\_\_

Parent/Guardian \_\_\_\_\_

2. **High School Information**

School Name \_\_\_\_\_ Phone \_\_\_\_\_

School Address \_\_\_\_\_

Principal/Counselor \_\_\_\_\_

**THIS SECTION MUST BE CERTIFIED BY YOUR HIGH SCHOOL COUNSELOR**

**Academic Background**

ACT Composite Score \_\_\_\_\_

High School Grade Point Average \_\_\_\_\_ (seven semesters)

\_\_\_\_\_ **Signature of High School Counselor**



# Louisiana Society of Professional Surveyors

Affiliate of the National Society of Professional Surveyors  
9643 Brookline Avenue, Suite 108, Baton Rouge, Louisiana 70809  
• Phone (225)925-5800 • Fax (225)925-5802  
• Email: [lsps@bellsouth.net](mailto:lsps@bellsouth.net) • Website: [www.lsps.net](http://www.lsps.net)



## EDUCATION FOUNDATION SCHOLARSHIP APPLICATION

Ten \$500 Scholarships will be awarded yearly to College Students residing in Louisiana and pursuing a career in Land Surveying. (This scholarship is not an automatic rollover) Applicants must be working towards the 30 hours required by the LAPELS board for licensure or toward a degree in a LAPELS acceptable Geomatics program. The scholarships will be awarded in one lump sum payment. Preference for scholarships will be given to applicants that have surveying experience.

### Return this application along with:

- School transcript
- Three letters of recommendations. (Professional Land Surveyors or LSPS members preferred. No family).
- Brief summary of work history in the surveying field (a resume is sufficient).
- Proof of school enrollment for following semester/quarter.

### 1. Personal Information

Name \_\_\_\_\_

Address \_\_\_\_\_ Parish \_\_\_\_\_

\_\_\_\_\_ Phone \_\_\_\_\_

Email \_\_\_\_\_

**\*\*Application Deadline is January 1, 2022.**

**APPLICATIONS NOT SUBMITTED BY THE DEADLINE WILL NOT BE CONSIDERED.**

All scholarships will be awarded by February 12, 2022.





# NSRS Modernization News

Issue 26 October 2021

For all issues of **NSRS Modernization News**, visit:  
[geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml](http://geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml)

## New Papers

Two new papers were released last quarter, relevant to NSRS modernization:

[Improvement of the GRAV-D Processing](#) (Willberg, Ahlgren, Zingerle, and Pail), NOAA TR NOS NGS 85: Outlines various improvements to the processing of GRAV-D data that will ultimately be considered in the final processing of all airborne gravity used to create GEOID2020.

[Transforming Modernized NSRS Coordinates and Uncertainties from One Frame to Another](#) (Smith), NOAA TM NOS NGS 89: Documents the equations necessary to transform coordinates between modernized NSRS frames or from an NSRS frame to ITRF2020. This is a companion to [NOAA TM NOS NGS 85](#).

## First Joint USA/Canada/Mexico Geoid

Last quarter, the geoid model [xGEOID20](#) was released. Although [previous xGEOID models \(14 – 19\)](#) were released as NGS-only models, xGEOID20 is the first gravimetric geoid model jointly computed by NGS, the Canadian Geodetic Survey (CGS) of Natural Resource Canada and the National Institute of Statistics and Geography of Mexico (INEGI). It covers all of North America, including Canada, Mexico, the contiguous United States, Alaska, Hawaii, the Caribbean (including U.S. territories Puerto Rico and Virgin Islands), Central America, and Greenland. For more info visit the [NGS website](#) or the [International Service for the Geoid](#). Future xGEOID models, and the final GEOID2022 model are expected to continue this tri-agency collaboration.

## Progress in Ongoing Projects

There are currently **27 ongoing projects** related to NSRS modernization around NGS. Here are some highlights:

### OPUS-Projects 4.0 and OPUS-Projects 5.0 (Project Manager: Dr. Daniel Gillins)

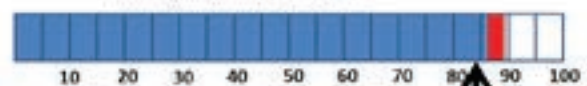
[OPUS-Projects 4.0](#), was released in July, providing new tools to streamline the preparation and submission of static GPS surveys to NGS for review and publication on datasheets. NGS has also released [OPUS-Projects 5.0 for BETA testing](#). Using the [GVX file format](#), users may upload GNSS vectors from real-time kinematic (RTK) or real-time network (RTN) observations for inclusion in the adjustment. Once BETA testing is complete, OP5.0 will replace OP4.0.

### Geoid Monitoring Service (Project Manager: Dr. Kevin Ahlgren)

NGS field crews were recently in Alaska conducting GNSS, deflection of the vertical, and gravity observations in support of the Geoid Monitoring Service (GeMS). These observations will help quantify geoid change in this region since the USC&GS measured leveling lines after the 1964 Alaska earthquake and provide a basis for monitoring future geoid change in Alaska.

GRAV-D progress last quarter: **up 2.8% to 89.6%**  
**AHEAD OF** (new) Schedule!

Recently: Montana, South Dakota



Schedule: 84.0%



# Louisiana Society of Professional Surveyors

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Registration Number: \_\_\_\_\_

Name: \_\_\_\_\_  
LAST FIRST MIDDLE

P.L.S.  P.E.  Other \_\_\_\_\_

Home Address: \_\_\_\_\_  
STREET CITY & STATE ZIP CODE

Home Phone: \_\_\_\_\_

Business Affiliation: \_\_\_\_\_

Position or Title: \_\_\_\_\_

Business Address: \_\_\_\_\_  
STREET CITY & STATE ZIP CODE

Business Phone: \_\_\_\_\_

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

E-MAIL: \_\_\_\_\_ UPON MEMBERSHIP ACCEPTANCE, NAME, EMAIL, WORK AND/OR HOME PHONE NUMBER CAN BE ADDED TO THE WEBSITE DISTRICT CONTACT PAGE: (CIRCLE CHOICE) YES NO

Education: \_\_\_\_\_  
SCHOOL DATE GRADUATED DEGREE

Surveying Experience \_\_\_\_\_  
# YEARS

**LSPS Member SPONSOR:**

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

Telephone: \_\_\_\_\_ Signature \_\_\_\_\_

I hereby apply for admission into the Louisiana Society of Professional Surveyors as a \_\_\_\_\_ Member, and agree to comply with the Charter, By-Laws and the Code of Ethics of the Association. Please assign me to the following district:

- District 1 – New Orleans
- District 2 – Houma
- District 3 – Lafayette/Lake Charles
- District 4 – Shreveport
- District 5 – Monroe
- District 6 – Baton Rouge
- District 8 – Alexandria
- District 9 – Covington
- Out of State

Date: \_\_\_\_\_

APPLICANT'S SIGNATURE

## CLASSES OF MEMBERSHIP

**RESIDENT REGISTERED MEMBER**

Any person whose legal residence is the State of Louisiana and holding a license from the State of Louisiana authorizing such person to engage in the practice of Land Surveying. Resident Registered Members shall be entitled to vote on all matters and hold any Office in the Corporation.

**INITIATION FEE \$10.00 ANNUAL DUES \$180.00**  
*INCLUDES NSPS MEMBERSHIP*

**NON-RESIDENT REGISTERED MEMBER**

Surveyors registered in the State of Louisiana but not a resident of Louisiana. Non-Resident Members shall be entitled to vote but shall not be eligible to hold any Office in the Corporation.

**INITIATION FEE \$10.00 ANNUAL DUES \$140.00**

**STUDENT MEMBER**

Any full-time undergraduate student of a college or vocational school recognized by the Board. Student Members shall not be eligible to vote or hold any Office in the Corporation.

**ANNUAL DUES \$20.00**

**ASSOCIATE MEMBER**

Any person working toward licensure, land survey intern, or surveyor not registered in Louisiana, recognized and so admitted by the Board of Directors. Associate members shall not be eligible to vote or hold any Office in the Corporation.

**INITIATION FEE \$10.00 ANNUAL DUES \$55.00**

**AFFILIATE MEMBER**

Any person not included within the definitions above provided in paragraphs 1, 2, 3 and 4 interested in advancing the cause and aims of the Corporation. Affiliate Members shall not be eligible to vote or hold any Office in the Corporation.

**INITIATION FEE \$10.00 ANNUAL DUES \$35.00**

**SUSTAINING MEMBER**

Any firm or individual desiring to support the aims and objectives of the Association, who may or may not be entitled to one of the foregoing classes of Membership, may become a Sustaining Member upon application and approval by a majority vote of the Board of Directors. Sustaining Members shall not be eligible to vote or hold any Office in the Corporation, however, if a Sustaining Member also holds another class or other classes of membership that Sustaining Member class shall not infringe upon such rights and privileges.

**ANNUAL DUES \$300.00**

Credit card# \_\_\_\_\_

Expiration Date: \_\_\_\_\_

***Please return completed form with Initiation Fee and Annual Dues to LSPS at the address above.***

Rev.07/21



# BENEFITS OF JOINING LSPS

The Louisiana Society of Professional Surveyors is organized to enhance the Surveying Profession. Our goal is to carry out our mission by maintaining high technical and cultural standards in our field, working with educational institutions for the maintenance of high standards of education in Land Surveying, requiring a high standard of ethical practice by our members, and encouraging the personal and professional development of young Land Surveyors.

## BENEFITS OF MEMBERSHIP IN OUR SOCIETY INCLUDE:

- **NETWORKING** – Who knows more about opportunities within a field than those actually involved in it? No one. The roster of our society is a gold mine to get your network rolling.
- **EDUCATIONAL BENEFITS** – Want to stay on top of your profession, learn new techniques and strategies? There are endless opportunities for upgrading your experience through seminars, listening to top speakers in your field, workshops, and just plain old-fashioned sharing of information among your peers.
- **LEADERSHIP OPPORTUNITIES** – It isn't enough to just join a District of the society. Take advantage of the many opportunities to get involved in committee work, serve some time as an officer, or help coordinate events. The more active you are, the more visible you become to the other members. This can only be a plus in your career future.
- **RESUME UPGRADING** – As our profession becomes more complex and difficult to master, the need for continued certification becomes more prevalent.
- **SOCIAL BENEFITS** – Don't overlook the fun factor. Groups of people with common interests are always sources of new friends. You speak the same language, laugh at the same jokes and dream similar dreams. Becoming active opens up many possibilities!

The new age of advanced technology has created the need for land surveyors to guard their profession. Our society works with the Louisiana Professional Engineering & Land Surveying Board (LAPELS) in the process of establishing the current continuing professional development requirements.

### We have been involved with many surveying issues...

- ◆ our society began in 1961 and currently has over **525 members**
- ◆ we are approved by the LAPELS Board as a **seminar sponsor**
- ◆ LSPS is an affiliate of the American Congress on Surveying and Mapping, and the **National Society of Professional Surveyors**
- ◆ we have a standing Legislative Committee to **review legislation** that may affect the surveying profession
- ◆ the LSPS Liaison Committee communicates with the **LAPELS Board** on issues that affect land surveyors
- ◆ we host an Annual Convention - with exhibitors displaying the latest in surveying equipment, and LSPS offering Personal Development Hours to meet licensing requirements
- ◆ the LSPS Executive Board continually working to upgrade member benefits.



## LEGISLATIVE UPDATE

By: Harper Duncan & Associates, LLC

### Louisiana Drone Advisory Committee Update

The Louisiana Drone Advisory Committee held their first meeting on August 24, 2021. In this meeting the committee discussed the committee structure, taskforce groups and key topics that will need to be addressed. The following appointments were made: Chairman Brad Brandt, Vice Chairman George Rey, Secretary Joshua Alford and FAA liaison Scott Gammel. The members were asked to submit key topics that need to be addressed throughout the course of the year. The topics will then be organized into a priority list and divided into taskforce groups. Some areas of interest mentioned in the August meeting included; Lidar, funding, counter-uas, air subcommittee, ground subcommittee, maritime subcommittee and drone highways. There was also concerns about the number of illegal drones. By law, any drone over half a pound should be registered. The committee plans to determine subcommittees and tasks forces through

email before the next meeting. The next meeting is tentatively scheduled for November 16, 2021.

### Legislative Update

The Louisiana Legislature will begin their 2022 Legislative on March 14. This year is a general session, which means the legislature cannot modify taxes. General sessions have a higher number of bills filed than fiscal sessions. Legislators have until Friday, March 4<sup>th</sup> at 5:00 to prefile their bills. We will be putting together LSPS's Legislative Bill List as bills are filed, but most are not posted to the database until the deadline date.

Please feel free to reach out to us with any questions or concerns regarding legislative or regulatory issues. We can be reached at [harperduncanllc@gmail.com](mailto:harperduncanllc@gmail.com) or (225) 287-4020.

# SAVE THE DATE!!!

**WHAT: LSPS 61st Annual Convention**

**WHEN: April 6-8, 2022**

**WHERE: GOLDEN NUGGET LAKE CHARLES  
2550 Golden Nugget Blvd.  
Lake Charles, LA 70601**

Check the LSPS website [www.lsp.net](http://www.lsp.net) for updates.

*Hope to see you there!*





# DONATE

## WE NEED YOUR HELP!

**Your generous contribution is needed to support the following funds:**

1. The **Education Foundation**, granting of scholarships while providing guidance by assisting worthy students to obtain instruction and training in land surveying and higher education.
2. The **Every Member Campaign (EMC)**, which began in 2006, and was created solely for the purpose of supporting the Geomatics Program at Nicholls State University.
3. The **Disaster Fund**, which stands ready to give relief when disaster hits our area.
4. The **Legislative Fund** allowing us to be ready to address legislation affecting our Surveying Profession.

Find the link for **DONATION OPPORTUNITIES** at the top of our home page at [www.lsp.net](http://www.lsp.net)



# WE'D LOVE TO FEATURE YOUR SURVEYING PICTURES IN OUR MAGAZINE!

EMAIL PICTURES TO [LSPS@LSPS.NET](mailto:LSPS@LSPS.NET)  
MAYBE YOU'LL SEE YOUR PICTURES IN OUR NEXT EDITION!

## ENHANCE YOUR CAREER OPPORTUNITIES

### BECOME A CERTIFIED SURVEY TECHNICIAN (CST)

This four-level certification program indicates official recognition by NSPS that a person can perform surveying tasks at a specific technical level. Certification provides employers with a method of determining job assignments and advancement since certification is an indication of one's ability to perform specific job tasks. Increase Your Skills. Enhance Your Career Opportunities. Set a Straight Course to Your Future. Become a Certified Survey Technician (CST)!



**NSPS**  
**CST**  
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[www.T2ue.com](http://www.T2ue.com)



**DON'T FORGET!**  
**LSPS 61st Annual Convention**  
**April 6-8, 2022**  
**Golden Nugget Lake Charles**

# WE APPRECIATE OUR SUSTAINING MEMBER FIRMS

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(225) 295-2995

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Baton Rouge, LA 70809  
225-932-6000

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(985) 649-0075

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New Roads, LA 70760  
(225) 638-5949

**COYLE ENGINEERING COMPANY, INC.**  
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Bossier City, LA 71171  
(318) 746-8987

**DADING MARQUES & ASSOCIATES LLC**  
PO Box 790  
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(504) 834-0200

**DUFRENE SURVEYING & ENGINEERING**  
PO Box 753  
Harvey, LA 70059  
(504) 368-6390

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Mandeville, LA 70471  
(985) 626-7044

**G360, LLC**  
9502 Main Street  
Zachary, LA 70791  
(225) 570-8268

**GEOSHACK**  
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Dallas, TX 75234  
(318) 547-3973

**GILBERT KELLY & COUTURIE, INC.**  
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Metairie, LA 70001  
(504) 836-2121

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200 Ridgelake Dr.  
Metairie, LA 70001  
(504) 834-8392

**MORRIS P. HEBERT, INC.**  
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Monroe, LA 71201  
(318) 325-1791

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Baton Rouge, LA 70810  
(225) 766-4422

**LANDSOURCE INC.**  
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Baton Rouge, LA 70809  
(225) 752-0995

**LAZENBY & ASSOCIATES INC.**  
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West Monroe, LA 71291  
(318) 387-2710

**MADER ENGINEERING INC.**  
1245 South College Road, Bldg. 1  
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CONSULTING, LLC**  
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Alexandria, LA 71307  
(318) 448-0888

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Zachary, LA 70791  
(225) 751-4002

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PO Box 8599  
Alexandria, LA 71306  
(318) 473-2100

**SJB GROUP LLC**  
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Baton Rouge, LA 70821  
(225) 769-3400

**T. BAKER SMITH LLC**  
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Houma, LA 70361-2266  
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**THAT CAD GIRL**  
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Holly Springs, NC 27540  
(919) 417-8351

**CL JACK STELLY & ASSOCIATES, INC.**  
PO Box 53353  
Lafayette, LA 70505  
(337) 237-0746

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