



BLACKLINES

*A Monthly Newsletter for Members of the
Treasure Coast Chapter of the Florida Engineering Society*

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September 2015

PRESIDENT'S MESSAGE

Dear Treasure Coast Engineers and Colleagues:

I would first like to thank Dan Zrallack for his exceptional leadership as Chapter President over the past year, and I look forward to his continued involvement in our Chapter for many years to come. It was Dan that urged me to get more involved with FES several years ago; and since that time I have seen our Chapter evolve with the ever-changing environment of the engineering profession throughout the Treasure Coast.

Although I know many of you, I thought I would take this opportunity to provide a little background information about me. I was born and raised in Jupiter, Florida and I am a third generation native Floridian. Like my father, I attended Florida State University (FSU) where I graduated with a BS in Civil Engineering. While at FSU I met my wife Rachel who coincidentally grew up in the same area, had mutual friends and also graduated from the same high school as I did ... but our first introduction was at a fraternity/ sorority social in Tallahassee. We were married in 2006 and welcomed our first child, Olivia, in March 2015. In addition to spending time with wife, daughter and family; I also enjoy playing golf and taking my boat out in the intercostal.

I look forward to working with the members of our FES Chapter to encourage young engineers to participate in our events and get involved with our Chapter. What better way to kick off the new year than the 29th Annual Golf Tournament scheduled for October 29th at the prestigious St. Lucie Trail Golf Club. Our Annual Golf Tournament is one of our most popular events and the proceeds benefit MATHCOUNTS, Scholarship Funds and Project Lead-the-Way; so please encourage friends and colleagues to sign-up to play, sponsor a hole, or sponsor the longest drive/closest to the pin challenges.

Patrick D. Helms, PE-FES Treasure Coast Ch., President

Calendar of Events for Upcoming Months



October 24	29th Annual TCFES Golf Tournament
November 17-18	Professional Engineer Legislative Days
December 1-2	Florida Automated Vehicles FDOT & FICE
January 12, 2016	2016 Regular Legislative Session
August 2-6, 2016	2016 FES/FICE 100th Annual Summer Conference

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ENGINEERS
LEAD THE WAY

October Meeting at a Glance...

Who: Treasure Coast FES
What: Annual Golf Tournament
Guest: N/A
Where: PGA Golf Club
1916 Perfect Drive
Port St. Lucie, FL 34986
When.: Saturday, October 24, 2015
Registration: 7:30am
Shotgun Start: 8:30am
Cost: \$100 per golfer or
\$25 non golfer (banquet only)
RSVP: Heath Stocton vicepresident@tcfes.org
or Pat Ferland pferland@ct-eng.com

2015 FES Publications

FES Journal

The FES Journal is the official monthly magazine of the Florida Engineering Society. Eleven of the 12 issues feature articles on engineering practices, trends and projects; legislative activities; continuing education programs, employment opportunities; and Society events. Featured articles are written by engineers for engineers. The twelfth issue, the December issue, is the annual directory of members and contains complete contact information on each member. The FES Journal is available to FES members as part of their membership dues; non-members may subscribe at an annual fee of \$50. Display and classified advertising is available in the FES Journal. [Click here](#) for more information about advertising options and rates.

The Florida Register

The Florida Register is a comprehensive compilation of public announcements soliciting Requests for Proposals and Requests for Quotes for professional engineering, architectural and planning services from throughout Florida. It also includes international announcements from the U.S. Department of Commerce. Information is culled from major newspapers published in Orlando, Tampa, St. Petersburg, Ft. Myers, Tallahassee, Jacksonville, Daytona Beach, Ft. Lauderdale, Lakeland, Pensacola, Sarasota and West Palm Beach. In addition, we include announcements from the Administrative Weekly, Commerce Business Daily, Demand Star and state government agencies such as FDOT. FICE members receive two copies of the Florida Register as part of their membership package. Additional copies for branch offices may be obtained for \$80 per year for each copy ordered. Non-FICE firms may subscribe to the Florida Register for a fee of \$800 per year. [Click here](#) to view the Florida Register online. (Please note, only FICE member firms can access this online resource.)

COMMITTEE CHAIRS

FES is a member driven organization. Our volunteers steer the Society in the best direction. Ideas and programs are created at the committee level and impact the organization at each level. Becoming part of a FES committee is very simple and rewarding.

We have several new volunteers, however, we still need a few more. For further details on a specific committee, or if you are interested in volunteering for any of these committees, please contact Heath Stocton, PE at vicepresident@tcfes.org.

In addition, please thank your fellow members who are volunteering their time to make a difference.

COMMITTEE CHAIRPERSONS

- Annual Meeting Steering – Kelly Cranford, PE
- Awards – Craig Dunkelberger, PE
- Charter & Bylaws – Adam Schildmeier, PE
- Communications Advisory – Kelly Cranford, PE & Adam Schildmeier, PE
- Conservation & Env. Quality – Richard Creech, PE.
- Constructed Environment – Richard Creech, PE
- Energy – Jo-Ann Clynch
- Ethical Practices – Will Cornelius, PE & Allen Bottorff, PE
- Golf Tournament – Pat Ferland, PE
- K-12 Education – Adam Schildmeier, PE & Jennifer Gent, PE
- Leadership Advisory – Steve Gaydosh Jr., PE
- MathCOUNTS – Kathleen Edgemon, PE
- MathCOUNTS – Chad Rucks, PE
- Membership Development – Pat Ferland, PE
- Philanthropy – Will Cornelius, PE
- Prof. Concerns – Steve Gaydosh Jr., PE
- Prof. Development – Marcos Montes De Oca, PE
- Project LTW Co-Chair— Adam Schildmeier, PE
- Scholarship Co-Chair – Paul Bangs, PE
- Scholarship Co-Chair - Sue Zheng, PE, PhD
- Student Prof. Development – **VACANT**
- Webmaster - Adam Schildmeier, PE

CHAPTER LIAISON REPRESENTATIVES

- Engineers in Government - Heath Stocton, PE
- Engineers in Construction - Paul Bangs, PE
- Engineers in Education - **VACANT**
- Engineers in Industry - Marcos Montes De Oca, PE
- Engineers Retired - **VACANT**

2015 Treasure Coast FES Officer Installation



From the Left - Dan Zrallack, PE (Past President), Greg Ripple, PE (Secretary), Colt Schwerdt, PE (Treasurer), Heath Stocton, PE (Vice President), and Pat Helms, PE (President)



From the Left - Dan Zrallack, PE (Past President), Greg Ripple, PE (Secretary), Colt Schwerdt, PE (Treasurer), Heath Stocton, PE (Vice President), Pat Helms, PE (President), Larry Smith, PE (State Director/PB Chapter)

MATHCOUNTS PROBLEM OF THE MONTH: ARE YOU READY FOR SOME FOOTBALL?

Last season, the New Orleans Saints' quarterback, Drew Brees, finished the football season with 456 completed passes out of 659 attempted passes. He had a total of 4952 passing yards, throwing 33 touch-down passes and 17 interceptions. What was his average number of passing yards per completed pass last season? Express your answer as a decimal to the nearest tenth.

Can't figure it out? Find the Answer on Page 6!

Engineering Jokes of the Month

4 Golfers on Sunday

Four men are on the golf course one Sunday morning, and as they were about to tee off one of them, a car dealer, says that he had a confession to make. "You know, guys, this golfing on Sunday mornings is costing me an arm and a leg. I had to give my wife a Lexus that is fully loaded in order for me to be able to come golf with you every week."

The second man, a well known realtor, says, "That's nothing, I had to buy my wife that mansion up on the hill and put it in her name only so that I could come."

The third man, a travel agent says, "I can top that, I had to send my wife and daughter to Paris for two weeks for a shopping spree. I have no idea how much that's gonna end-up costing me."

The fourth man, the engineer, doesn't say anything, so they asked him about it. He says "Well... it's no big deal for me at all. I just roll over Sunday morning and say to my wife: 'intercourse or golf course', and here I am, just like that."

BIG CHANGES TO CONTINUING EDUCATION REQUIREMENTS

House Bill 713 was signed into law by Governor Scott in June 2014. Among other rather minor changes, a huge change has been made to our continuing education requirements. The changes are summarized as follows:

Licensed professional engineers were required to obtain eight continuing education course hours every two years in order to renew their licenses. Of the eight hours, four hours are required to be on the laws and rules of professional engineers. The bill requires 18 continuing education course hours in order for licensed professional engineers to renew their licenses. Of the 18 hours, one must relate to the laws and rules of professional engineers, one must relate to professional ethics, and four must relate to the licensee's area of practice. The remaining hours may relate to any topic pertinent to the practice of engineering. Four hours of the continuing education course hours may be obtained by being an officer for a professional or technical engineering society, or serving as a member of the Legislature or as an elected state or local official.

This portion of the bill became effective March 1, 2015.

These continuing education requirements will not become effective until our next renewal cycle. A full copy of HB 713 can be found [here](#).

JOB OPENINGS

If your company is currently looking to expand or has an opening please provide a brief summary and necessary information to our Secretary Greg Ripple at secretary@tcfes.org to have the job opening advertised on your local Treasure Coast Florida Engineering Societies' addition of Blacklines.

MEMBERSHIP NEWS

Just for YOU

FES is always working to increase benefits offered to members, and to make sure members are aware of their benefits. Below are just three of the benefits available to FES/NSPE members, and we encourage you to visit www.fleng.org/membership.cfm for more information.

As an FES/NSPE member you are eligible for a \$20,000 scholarship to pursue a Corporate MBA degree with the Florida International University. That is almost half the cost of tuition, and available to you as an FES member.

Your FES/NSPE membership entitles you to a number of discounts on a wide variety of publications, standard contract documents, and other services. Make sure to visit NSPE's Benefits pages at www.nspe.org/MemberBenefits/benefitpartners.html for more information and a complete listing of member benefit partners.

As an FES member you can connect with over 470 FES members throughout the state in the 'Members of FES' group on LinkedIn.

Have an idea? If you think of a benefit or service that you would like to see available to FES members, please don't hesitate to contact your Member Services Department at 850-224-7121 or email Anne Wilson, Member Services Coordinator at awilson@fleng.org.

Forward the online FES Membership application or FES Brochure to a friend or colleague today:

www.fleng.org/membership-app.cfm

http://www.fleng.org/images/aboutFES/FES_Membership_Brochure.pdf

Professional Development Hours (PDHs)

Date	Event	Location	PDHs	Cost
At Your Leisure	The Project Management Professional	Online/DVD	4 PDHs	\$75 FES/FICE Members, \$99 All Others <i>For more information visit http://www.fleng.org/distancelearning.cfm</i>
Monday, November 16th, 2pm-4pm	Professionalism, Ethics & The Law	Augustus B. Turnbull III Florida State Conference Center Tallahassee, FL 32301	TBD (FES is working on this)	FES/FICE Member \$130 Non-member \$170 Student \$40 Legislative Reception Only \$50 <i>For more information visit http://www.fleng.org/seminars.cfm?event_id=708</i>

<http://www.fleng.org/seminars.cfm>



Please visit our website!

<http://www.tcfes.org>

Send your comments and suggestions about our website or Facebook page to



Questions or Comments?

If you have any questions/comments, or if you would like something included in the monthly publication, please contact Greg Ripple at (772) 794-4027 or secretary@tcfes.org

2014 — 2015 Treasure Coast Chapter Board Members

- Patrick Helms, P.E., President (561) 718-0899 president@tcfes.org
- Heath Stocton, P.E., Vice President (772) 370-8203 vicepresident@tcfes.org
- Colt Schwerdt, P.E., Treasurer (772) 380-3635 treasurer@tcfes.org
- Gregory R. Ripple, P.E., Secretary (772) 794-4027 secretary@tcfes.org
- Marcos Montes De Oca, P.E., Regional Vice President (863) 634-2131 regionalvp@tcfes.org
- Dan Zrallack, P.E., Past-President (772) 878-0072 pastpresident@tcfes.org
- Adam Schildmeier, P.E. State Director (561) 398-6090 statedirector@tcfes.org

TREASURE COAST CHAPTER

Chartered 1987

FLORIDA ENGINEERING SOCIETY

Affiliated with

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

P.O. BOX 8764, PORT ST. LUCIE, FL 34985



To calculate the average number of passing yards per completed pass, we need to divide the total number of passing yards by the number of completed passes. Drew Brees' average per completed pass last season was $4952 \div 456 \approx 10.9$ yards.