



BLACKLINES

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

Volume 27, Issue 02

February 2011

PRESIDENT'S MESSAGE

The Treasure Coast FES Board of Directors is extremely proud of our membership for supporting all of our activities in this busy time of the year for the local Chapters. We had a very successful January meeting. The Bust-a-Cap was a big hit, as well as the local competition of MathCOUNTS. We have one of the strongest groups going to state in a long time. Now comes the E-Week Banquet and the silent auction. If you have items to donate, please contact Chad Rucks, Kathy Edgemon, or Kelly Cranford with your donations. See the advertisement in this newsletter for more details of the banquet.

This event immediately follows the Legislative Days in Tallahassee, where those that can afford to spend the time should go. The event is set for February 15 and 16, 2011. Two (2) important bills are being introduced again – the infamous Liability bill (relieving design professionals from being personally sued) -- Bill 288 (Negrón), which we support, and the CCNA Bill 276 (Bennett) – relating to procurement of professional services (CCNA – oppose). Your involvement is important in ensuring these bills are processed as we need them to be.

The FES Board also meets in Tallahassee, and has many items on their agenda. The PDH hours are back for their action, as well as the Structural Engineer licensure items. In addition, more good news of the legal system securing your wallets for work done, or not done, beyond your control on old projects. More information on this item at the E-Week Banquet, along with an update on the State Board Meeting. I will be in Fernandina Beach the morning of the banquet, presenting a paper at the AIA Florida Board Meeting. I will be back for the dinner, though. The Task Force paper for Building Officials Guide to Architects and Engineering responsibilities is close to being released. That Task Force is now working on a Drawing Checklist (Civil, Structural, Architectural, Mechanical, Electrical, Plumbing, etc.) for what a complete drawing design package should include. Anyone with any checklists or suggestions should please contact me or bring them to the Banquet, and we will incorporate those items into the final document that should be released this summer

Steve Gaydosh, P.E.; Chapter President

Calendar of Events for Upcoming Months



February 18	<p>E-Week Banquet Hutchinson Island Marriott 555 Northeast Ocean Boulevard Stuart, FL, 34996 Cocktail at 6:00 pm, dinner at 7:00 pm (See Page 2 for details)</p>
February 15-16	<p>PE Legislative Days Aloft Downtown Tallahassee 200 North Monroe St, Tallahassee, FL 32301 (See Page 4 for details)</p>
March 18	<p>FES TC Chapter Meeting Brahma Bull Okeechobee 2405 US Highway 441 SE, Okeechobee, FL Cocktail at 6:00 pm, dinner at 7:00 pm</p>

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60th National Engineers Week

Engineers Week Banquet

Where: Hutchinson Island Marriott
555 Northeast Ocean Boulevard
Stuart, FL, 34996

When: Thursday, February 18, 2011
Open Bar @ 6 pm, Dinner/Meeting at 7 pm

Cost: \$40/PERSON

RSVP: Please RSVP Noah Handley - 863-634-6189 or vicepresident@tcfes.org by noon on February 16.

What: Project-Lead-The-Way (PLTW)
- *What, Who, and Where Today and Tomorrow*
By Mr. Mark Heuter, Lincoln Park Academy

Silent auction and raffle are part of the Banquet to support our local MATHCOUNTS program

Wanted

"MATHCOUNTS" Banner is missing, Please contact Kathy Edgemon at 863.462.5260 x3027 or Kelly Cranford at 863.462.5260 x3005 if you have it or have any information about it.



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 Steve Gaydosh, PE at president@tcfes.org.

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

COMMITTEE CHAIRPERSONS

- Annual Meeting Steering – Jen Porter, P.E.
- Awards – Craig Dunkelberger, P.E.
- Charter & Bylaws – Adam Schildmeier, P.E.
- Communications Advisory – Jennifer Grissom, PE
- Conservation & Env. Quality – Richard Creech, P.E.
- Constructed Environment – Allen Bottorff, P.E.
- Energy – Bill Thiess, P.E.
- Ethical Practices – Melissa Corbett, P.E.
- Golf Tournament – Pat Ferland, P.E.
- K-12 Education – Jen Porter, P.E.
- K-12 Education co-chair – Sarah Henke, E.I.
- K-12 Education co-chair – Adam Schildmeier, P.E.
- Leadership Advisory – David Andre, P.E.
- MathCOUNTS – Chad O. Rucks, P.E.
- MathCOUNTS – Kathleen Edgemon, P.E.
- Membership Development – Pat Ferland, P.E.
- Philanthropy – Will Cornelius, P.E.
- Prof. Concerns – Allen Bottorff, P.E.
- Prof. Development – Marcos Montes De Oca, P.E.
- Project LTW Co-Chair— Adam Schildmeier, P.E.
- Project LTW Co-Chair - John Adair, P.E.
- Scholarship Co-Chair – Paul Bangs, P.E.
- Scholarship Co-Chair - Sue Zheng, PE, PhD
- Student Prof. Development – Sean Donahue, P.E.
- Webmaster - Jon Murray/Adam Schildmeier

CHAPTER LIAISON REPRESENTATIVES

- Engineers in Government - Kelly Cranford, P.E.
- Engineers in Construction - Paul Bangs, P.E.
- Engineers in Education - Jen Porter, P.E.
- Engineers in Industry - Marcos Montes De Oca, P.E.

30 Ways One Engineer Can Make a Difference

Cited from www.eweek.org

1. [Contact a teacher](#) or principal to speak at a local elementary, middle or high school and provide [hands-on experiments](#) relevant to engineering and careers.
2. Enter news of your local activities on the www.eweek.org [database](#) and enter your name as a [local contact](#)
3. From Jeremy Hubers: Get involved with a volunteer organization such as Habitat for Humanity and represent your engineering chapter with a volunteering spirit.
4. Visit the online [Sightseer's Guide](#) to family-friendly engineering-related travel attractions and [suggest an interesting landmark](#) or attraction in your community as an addition to the Guide. Suggested sites must be accessible to the general public."
5. Contact the Junior Engineering Technical Society (www.jets.org) to request guidance brochures for various engineering disciplines and explore high school programs.
6. Urge high school and college engineering students to use the current "[New Faces of Engineering](#)" as a resource.
7. Visit www.discoverengineering.org and promote this site to middle school students.
8. Write a letter to your local newspaper editor letting him/her know about the importance of engineering to your community or adapt [a former Chair's editorial](#) to illustrate examples from your community.
9. Plan a special recognition luncheon in your office and invite the CEO or chief technical officer to participate.
10. Visit www.greatachievements.org for useful information about great engineering achievements of the past 100 years.
11. Donate [mystery books with an engineering background](#), [children's books](#), [posters and bookmarks](#) to a local public or school library for an Engineers Week "corner."
12. Visit [Connecting the World to Engineering](#) and urge engineering students and young professionals to use the forum to generate interest in Engineers Week.
13. Visit www.nae.edu/awards to learn about the Charles Stark Draper Prize, the "Nobel Prize" of engineering.
14. Organize an extracurricular program for young students, such as a tour or competition. Build spaghetti bridges, race boats or design and build [Rube Goldberg](#)-like machines.
15. Develop and maintain a directory of engineering societies or company engineers willing to visit schools, and let schools know this list is available.
16. [Organize](#) an Engineers Week Committee with your office or professional society chapter.
17. Organize a walking or bus tour of interesting engineering achievements in the community.
18. Sponsor a workshop to help teachers understand what engineers do.
19. Host a program at a local Boys & Girls Club.
20. Participate in an [engineering fair](#) at a local college. Many engineering schools host such fairs during Engineers Week.
21. Create special exhibits in public spaces at your office. Place Engineers Week [tent cards](#) on tables in the company cafeteria.
22. Volunteer to serve as a judge for a school science or technology fair.
23. Wear an Engineers Week [t-shirt or cap](#).
24. Send an Engineers Week [modern cord winder](#) or water bottle to clients or your children's teachers.
25. Take information from the Engineers Week Internet site on the engineering of [chocolate](#), [potato chips](#) and other [little-known engineering connections](#) and pass it along to your company newsletter, local newspaper or local school.
26. Help with a local [MATHCOUNTS](#) competition that occurs during Engineers Week.
27. Contact a high school guidance counselor. Offer to talk with students and provide [Engineering & You brochures](#) or an [Engineers Week video](#) for the guidance office.
28. Organize an essay contest for a local class.
29. Contact a local [science center](#). Provide bookmarks and posters or offer to run a hands-on demo. Visit the online [Breaking Through: the Creative Engineer](#) for ideas on using local examples to showcase creative engineering.
30. Work with community television to provide [Engineers Week videos](#),

Membership News

Membership applications, tools, and additional information is available at www.fleng.org/membership.cfm or contact the Member Services Department at 850-224-7121

National Engineers Week

February 20-26, 2011

During E-Week many engineering organizations host joint or general meetings. Use this time to mingle with your fellow engineers and emphasize the importance of membership in NSPE/FES. As the only organization working to protect and promote engineering in Florida, it is critical that our members reach out to friends and colleagues to encourage them to join. For a list of talking points or membership materials please contact Anne Cannone, Member Services Coordinator at 850-224-7121 or anne@fleng.org.

Without the support of members, FES would not exist.

And without FES, Engineers in Florida would have no voice in Tallahassee.

FES State and Chapter dues are currently reduced 25% (rates are based on October 1 – September 30 membership year). Forward the online FES Membership application to a friend or colleague today: www.fleng.org/membership-app.cfm.

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Society Program and Events

For more information on the events below or to download complete brochures visit www.fleng.org

2011 Professional Engineer Legislative Days

Hosted by the Florida Engineering Society and the Florida Institute of Consulting Engineers
February 15-16, 2011 | Tallahassee, FL

Legislative Tool Kit

Chapters are encouraged to hold local meetings with their State Legislators.

Members are urged to begin educating and re-establishing relationships in personal meetings. **FES has prepared a tool kit to help in this process:** www.fleng.org/legaff.cfm **Your participation is critical.** It is important that the engineering profession show a strong and united presence to Florida decision-makers.

Hotel Accommodations:

Aloft Downtown Tallahassee .

200 North Monroe St, Tallahassee, FL 32301, 850-513-0313

Group Name: FES PE Legislative Days 2011, Room Rate \$99 + tax

This special rate is available until 01/14/2011 or until the group block is sold-out, which ever comes first.

Remember, to book your room NOW.

Questions? Contact Samantha Hobbs at 850-224-7121 or shobbs@fleng.org

For more information and to view the 2011 proposed schedule visit <http://www.fleng.org/legaff.cfm?picked=72>

2011 Award for Chapter Excellence (ACE)

FES is sponsoring a state level ACE Award competition again this year, which emphasizes individual chapter activities. The FES ACE Award will be presented to the winning chapter at the FES Annual Summer Conference and Exposition in August.

For more information visit www.fleng.org/awards.cfm#aceaward

Florida MATHCOUNTS Chapter Competitions

Dates and Locations have been set! To see when and where your local competition is taking place, visit the FES Calendar found at www.fleng.org. To contact your local Chapter Coordinator about volunteering, visit www.fleng.org/images/files/Committee_Roster.pdf.

As the only organization working to protect and promote Engineering in Florida, it is critical that our members reach out to friends and colleagues to encourage them to join.



Continuing Education

For more information on any of the events listed below or to register online visit www.fleng.org/conftrain.cfm.

Earn Required PDHs with FES Seminars, Webinars, and On-Line Courses

Technical Stormwater Permitting Webinar
2 Technical PDHs
Available Online

Stormwater Permitting Webinar Part II
2 Technical PDHs
Available Online

Basic Lighting Design
4 Technical PDHs
Available DVD

Effective Use of Daylighting
4 Technical PDHs
Available Online, DVD

Engineering Pitfalls in Stormwater Design
2 Technical PDHs
Available Online, DVD

Essential Elements of Building Green
3 Technical PDHs
Available Online, DVD

Gopher Tortoise Permtng Webinar
1 Technical PDH
Available Online

Project Management
4 Technical PDHs
Available Online, DVD

Stormwater System Hydraulic Design
2 Technical PDHs
Available Online, DVD

Wind Load Design
4 Technical PDHs
Available Online, DVD

GIS Applications for Engineering
1 Technical PDH
Available Online

Laws And Rules Florida Laws & Rules
4 Laws & Rules PDHs
Available Online, DVD, Correspondence

One-Stop-PDH-Shops

Tampa, February 18

Earn all your required PDHs in one day at the One-Stop-PDH-Shops throughout Florida

- Morning Sessions: 8:00am – 12:00pm - Florida Laws and Rules (4 PDH Laws and Rules Credit)
- Afternoon Sessions: 1:00pm – 5:00pm - Project Management (4 PDH Technical Engineering Credit)

All Aboard! Passenger Rail Service in Florida - Changing How We Travel

February 23, 2011 | Hilton Orlando/Altamonte Springs | 4 PDHs Area of Practice Calling all engineers, designers and technicians who want to learn about the paradigm shift in transportation in Florida. Geography, demographics, growth management, and environmental preservation - all demand that Florida develop High Speed Rail. The state of Florida is ahead of the curve in pursuit of this goal. This conference will update the transportation engineering community on all aspects of HSR.

This is one seminar you don't want to miss! We will be offering many great sessions. One session being offered is *The Status Report on High Speed Rail* in the state of Florida. This session will be presented by **Nazih Haddad, PE**, Chief Operating Officer of the Florida Rail Enterprise. We will also feature **Karen Hedlund**, Chief Counsel with the Federal Railroad Administration presenting *Federal Support for High Speed Rail in Florida*. So don't miss the train, get on board and register today! For more information and to register online visit www.fleng.org/seminars.cfm?event_id=490.



Professional Development Hours (PDHs)

Date	Event	Location	PDHs	Cost
February 23, 2011	Passenger Rail Service in Florida - Changing How We Travel	Hilton Orlando/Altamonte Springs	4 PDHs Area of Practice	\$299 FES/FICE Members, \$399 All Others
				After February 9, \$50 Late Fee
				<i>For more information visit</i> http://www.fleng.org/seminars.cfm?event_id=490
Available online	Florida Laws and Rules	Online DVD Correspondance	4 PDHs Law and Rules	\$89 FES/FICE Members, \$119 All Others
				No Late Fee
				<i>For more information visit</i> http://www.fleng.org/distancelearning.cfm
February 18, 2011	FICE Advanced Work Zone Traffic Control	Mainsail Suites and Conference Center Tampa, 33634	8 PDHs	\$290 FES/FICE Members, \$390 All Others
				After January 28, \$20 Late Fee
				<i>For more information visit</i> http://www.fleng.org/seminars.cfm?event_id=491

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



Please visit our NEW website!

<http://www.tcfes.org>

Send your comments and suggestions about our website to
secretary@tcfes.org

Questions or Comments?

If you have any questions/comments, or if you would like something included in the monthly publication, please contact Sue Zheng at 772-343-9787 or email at secretary@tcfes.org

2010 — 2011 Treasure Coast Chapter Board Members

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TREASURE COAST CHAPTER

Chartered 1987

FLORIDA ENGINEERING SOCIETY

Affiliated with

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

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

