

FOUNDED 1916



Florida  
Engineering  
Society

# BLACKLINES

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

**Volume 22, Issue 4**

**May/June, 2007**

## *A Word from the FES Treasure Coast President...*

DEVELOPMENT / MORATORIUMS / NEW BMP'S / FAC / BOCC / PUBLIC COMMENT / R  
WE SOL? What do they mean? What are they saying?

Although I feel that I am a rookie in the engineering world, each of these words or acronyms get the juices flowing. Please understand this message is not meant to incite riots among engineers, but merely to open discussion on projects for more rational conversations with parties involved through FES. How do we as engineers mathematically understand these items and policies and how do we address all project concerns, or can we? There are differences in perspectives? Do you work for private industry or public / governmental agencies and where do these views converge or in some cases diverge?

So where does that leave FES and why even touch on this, and why ask so many questions? FES has been that medium of answers for years. FES not only has been involved in rule making, but their implementation. Remember, we're all in this together and we all have bosses and clients to make happy, and if you don't, your life is too easy. Sometimes it's nice for an article to inspire by asking questions. Thank you again for your time and yes there will be a pop quiz at the golf tournament.

Marcos Montes De Oca, P.E.  
Treasure Coast FES President

### **Mark Your Calendars**

*June 16:*

**FES Treasure Coast Annual Golf Tournament  
Eagle Marsh Golf Course, Jensen Beach, FL**

*July 20:*

**FES Palm Beach Chapter Annual Shrimp Boil  
Jupiter Civic Center, Carlin Park, Jupiter, FL**

*August 1:*

**Professionalism, Ethics, and the Law  
Marco Island Marriott, Marco Island, FL**

*August 1-4:*

**FES/FICE 91<sup>st</sup> Annual Summer Conference and  
Exposition**

**Marco Island Marriott, Marco Island, FL**

*August 2:*

**FES Board of Directors Meeting  
Marco Island Marriott, Marco Island, FL**

*August 2:*

**FICE Board of Directors Meet-  
ing, Marco Island Marriott ,  
Marco Island, FL**



## *July Meeting at a Glance...*

**Who:** *Incoming Chapter President and the FES President*

**What:** FES Treasure Coast Chapter Officer Installations

**When:** July, 2007, 6:00 pm Cocktail Hour, 7:00 pm Dinner

**Treasure Coast Chapter FES Wants to Thank Heidi Henderson for three years of service as a chapter officer. All of us wish her the best in her future endeavors.**

## *Lockheed Martin National **MATHCOUNTS** Competition Results*

Although the Florida team was not among the finalists at the Lockheed Martin MATHCOUNTS National Competition, we are still very proud of their achievement. The official team members representing Florida were: Liam Bressler, Community School of Naples, Naples; Anthony Grebe, Pine View Middle School, Sarasota; Preet Patel, Bay Point Middle School, St. Petersburg; Andrew Harn, Southwest Middle School, Palm Bay; and Coach Michael Pentz, Greenwood Lakes Middle School, Deltona.

The top teams were: Texas, Indiana and New Jersey. The National Champion was Kevin Chen of Texas and the Runner-Up was Ben Kraft of Pennsylvania. The winning question was: On an exam, a student answered 15 of the first 20 questions correctly. Of the remaining questions, he answered  $\frac{1}{3}$  correctly. If the student answered 50% of all questions correctly, how many questions were on the exam? *Answer: 50*

[Read the Release and View the Top Team/Individual Results](#)

*The mission of MATHCOUNTS is to increase enthusiasm for and enhance achievement in middle school mathematics throughout the United States. With the generous support of all MATHCOUNTS sponsors and volunteers, and leadership of the National Society of Professional Engineers at the local and state levels, MATHCOUNTS is providing today's students with the foundation for success in science, technology, engineering or mathematics careers.*

The logo for MATHCOUNTS, featuring the word "MATHCOUNTS" in a bold, sans-serif font. The letters "MATH" are red, and "COUNTS" is white. A registered trademark symbol (®) is located at the end of the word.

# FES Treasure Coast



## 21st Annual Golf Tournament

June 16, 2007

Eagle Marsh Golf Course

Jensen Beach, Florida

Tee Time: 8:00 am

Registration: 7:00am

It has finally arrived!

You too can be cool and have fun with your fellow engineers and associates in a day of chasing the little white ball around Eagle Marsh Golf Course.

The event occurs along the time-space continuum during June 16<sup>th</sup> with a tee off at 8 am.

The format is a scramble and, as usual, refreshments on the course are free!

Lunch is included with the entry fee and plenty of prizes will be included in the raffle, which benefits MathCounts, the Ray White Memorial Scholarship Fund and Project Lead The Way.

Volunteers are needed for the Event Committee and for the day of the Event.

See the attached flyer for sign up information or

call *Pat Ferland; 878-1700, cell 201-0869.*

The logo for MathCounts, featuring the word 'MATHCOUNTS' in a bold, red, sans-serif font with a white outline, set against a black background.



## *Do your peers know where to find you?*

FES will be sending out member record update sheets to all members in mid-June. Please be on the look-out for these forms, review them carefully, make any corrections, and fax or mail them back to FES Headquarters. This information will help keep our database current and ensure that your listing is the *2008 FES Directory* is correct.

*Membership information is available at [www.fleng.org](http://www.fleng.org) or contact the Member Services Department at 850-224-7121.*

# Congratulation so the New FES Treasure Coast Chapter Officers!

**President**

**Will Cornelius, E.I.**

**Vice President**

**Jon Murray, E.I.**

**Treasurer**

**Allen Bottorf, P.E.**

**Secretary**

**Sean Donahue, P.E.**





Florida Engineering Society  
**ANNUAL SHRIMP BOIL**

Presented by the Palm Beach Chapter

2 0 0 7

**WHO:** Engineers, Families and Friends

**WHAT:** FES Annual Shrimp Boil

**WHEN:** July 20<sup>th</sup>

**TIME:** 6pm – until

**WHERE:** Jupiter Civic Center at Carlin Park

**COST:** \$25 adults and \$10 children under 12

**MENU:** SHRIMP.... SHRIMP...AND MORE SHRIMP

CORN AND POTATOES

HOT DOGS AND CHIPS FOR THE KIDS

DRINKS (SODAS, WATER, GATORADE AND MUCH MORE)



Entertainment by:  
TBA

*Please provide us with a total number of people attending by **July 1<sup>st</sup>**.*

*Contact Terrence at [tbailey@sfninc.com](mailto:tbailey@sfninc.com) or 561-655-1151.*



**JOIN US FOR ANOTHER YEAR OF FUN ON THE BEACH!**

# *2007 Legislative Session Recap*

The 2007 Florida Legislative Session ended just after 4:00 pm on Friday, May 4th. There was no resolution on the biggest issue of the day, Property Taxes, but there were plenty of victories for FES/FICE to celebrate.

## **Infrastructure Funding**

FES/FICE successfully lobbied to eliminate the \$100 million raid on the Transportation Trust Fund, which would have resulted in over an \$800 million dent in the FDOT's five year work plan. The Senate plan to pour another \$500 million into Transportation projects did not pass, but there is hope this can be accomplished during the June Special Session. The Legislature also appropriated \$200 million to clean up the Florida Everglades and Lake Okeechobee as well as \$300 million for the Florida Forever program.

## **Oppose the Fabre Fix on Apportionment of Damages**

HB 733 and SB 1558 would have allowed trial lawyers to determine who they want to sue, instead of current law that requires all possible defendants to be brought in to accurately determine fault. This would have allowed them to "cherry pick" the deep pocket plaintiffs and undo the good last year, when the doctrine of joint and several liability was abolished. The bills both passed one committee each, but ultimately DID NOT PASS.

## **Defense of the Consultant's Competitive Negotiation Act (CCNA)**

Your FES/FICE lobbying team was successful in pulling language off of a bill that would have allowed firms that are under a continuing contract to bid against each other. This would have undone major changes that our association fought to have put in the statute two years ago. FES/FICE also defeated an amendment that would have raised the thresholds of when CCNA is required to be used.

## **Defense of Chapter 471**

FES/FICE was able to have legislation changed that would have allowed a great many types of business organizations to do engineering on complex structures without licensing. An amendment was placed on HB 271 early in the session that: "A business organization meeting the definition of a design-build firm under s. 287.055 is not required to obtain a certification of authorization under this section in order to negotiate, enter into, or perform a public or private design-build contract." This language was removed from the bill at the next committee stop.

[The full watch list and status of current bills can be found by clicking here.](#)

# CONTINUING EDUCATION NEWS



## ***FICE/FDOT Advanced Work Zone Traffic Control***

**July 18-20, 2007**

Embassy Suites Hotel Orlando North – Altamonte Springs

1-800-362-2779

**20 PDHs** of technical engineering credit

Do you have one year of experience in work zone traffic control or one year being responsible for work zone traffic control plan development? If so, this course is for you.

### **You will learn how to:**

- Adapt typical control plan layouts to specific site conditions
- Design and manage traffic control plans (TCPs) of varying complexity
- Identify relevant fundamental and human factor principles that impact TCP design
- Apply workable concepts and techniques in the design, installation, and maintenance of TCPs
- Appropriately utilize work zone traffic control devices

**Registration Fees:** (3 continental breakfasts and 2 lunches provided)

\$525 FES/FICE Members or FDOT Employees

\$625 Non-Members/Non FDOT Employees

To register on-line, please visit: [http://www.fleng.org/seminars.cfm?event\\_id=290](http://www.fleng.org/seminars.cfm?event_id=290)

Questions, please call Julie Draper, Meeting Coordinator at 850-224-7121.

# CONTINUING EDUCATION NEWS

## *Site Development Permitting in Sarasota County*

June 29, 2007

Hyatt Sarasota

6 PDHs of technical engineering credit

FES' popular seminar site development permitting series now focuses on Sarasota County. In addition to detailed permitting information from Sarasota County permitting officials, you'll hear from officials who represent the cities of Venice and North Port, the Town of Longboat Key, FDOT, and SWFWMD.

Gain useful information while earning your required technical engineering PDHs for the renewal of your PE license.

\$249 FES/FICE Members

\$349 Non-members

## *Civil PE Review Course ...with a Guarantee*

August 24-26, 2007

September 21-23, 2007

Embassy Suites Hotel Orlando-North Altamonte Springs

Take the two-weekend-long course offered by FES, meet the course completion requirements, and you have our guarantee. If you don't pass the exam, you may repeat the course for up to one year after your initial enrollment at no additional charge. What are the course completion requirements? You must attend 80% of the course, complete 80% of the assignments, and take the sample exam.

Our instructors combine knowledge of engineering principles, professional experience, and problem-solving abilities with practical insights into the exams. Homework assignments, practice exams, and instructor handouts will develop and reinforce critical test-taking skills. Through a partnership with Professional Publications, Inc. FES can offer a discount on PPI study materials.

Brochure, on-line registration, and text books are available on our Web site [www.fleng.org/conftrain.cfm](http://www.fleng.org/conftrain.cfm)

**Until** August 4<sup>th</sup>

\$695 FES/FICE members

\$795 non-members

**After** August 4<sup>th</sup>

\$795 FES/FICE members

\$895 non-members





# CLASSIFIEDS



## Project Engineers & Project Managers

**LBFH, Inc.** leverages the skills and experience of all employees and offers an environment that fosters individual growth and rewards performance. You'll be working for an award-winning company with an impressive track record. This is an amazing opportunity to join LBFH, Inc. and gain experience as a Project Engineer, Team Leader or Project Manager.

### Qualifications:

- Minimum of 6+ years progressive civil engineering experience in Land Development, Water Resources or Water and Wastewater.
- BS or Master's degree in engineering from an A.B.E.T accredited college or university.
- Professional Engineering License required (preferably registered in Florida).
- 3+ years experience supervising/managing a team of engineers and techs (for Team Lead and Project Manager positions).

Demonstrated successful performance in dealing with all levels and internal and external business clients.

LBFH, Inc. provides Civil Engineering, Survey/Mapping & GIS services to private and government clients. Our corporate office is located in Palm City, Florida with branch offices in West Palm Beach, Ft. Pierce, Okeechobee, Ft. Myers and Or-



### Responsibilities include:

Design, permitting and production of civil engineering plans and construction documents as well as close coordination with client representatives.

Supervision of CAD technicians and EIT's

### Position Requirements:

Excellent communication and organizational skills. PE is not required but candidates must be eligible for Florida registration.

### Benefits:

Group health and dental insurance. Company-paid life insurance, short and long term disability insurance plan.

401(k) retirement plan with employer match.

Salary commensurate with experience.

Tuition Reimbursement Program.

Continuous professional learning environment.

Join our award-winning team and great work environment with career advancement opportunities.

### Resumes:

Please email to [hr@creechinc.com](mailto:hr@creechinc.com) or Fax: (772) 283-8104. For a confidential interview, please contact Mary Correia at (772) 283-1413. Please visit our website at [www.creechinc.com](http://www.creechinc.com) for more positions available



# CLASSIFIEDS



Our dynamic team is seeking exceptionally talented candidates for the following positions in our St. Lucie office:

**ENGINEER III**

Civil engineer with FL PE needed w/ land development design exp to manage projects and build client base in St Lucie. Familiarity w/ local agencies desired.

**ENGINEER I**

1+ years experience with land dev & government design projects. AutoCAD a must.

**TRAFFIC ENGINEER I**

0-2 yrs transportation engineering exp w/ signal design , traffic impact studies, parking utilization etc. AutoCAD and/or Microstation desirable.

**Miller Legg**, is celebrating 40 years of providing outstanding professional services in Florida and our dynamic company is always looking for energetic professionals to join our Team.

Visit [www.millerlegg.com](http://www.millerlegg.com) to learn more about our St. Lucie, Orlando, Pembroke Pines, Ft. Lauderdale & West Palm Beach offices.

Please forward your résumé to:

**Miller Legg**

Attn: Human Resources  
749 SE Port St. Lucie Blvd.  
Port St. Lucie, 34984

**Email:** HR@millerlegg.com

**Fax:** 407-629-7883



Leading National Consulting Firm expanding land development operations in West Palm Beach, Port St. Lucie, and Vero. Positions available:

- Entry Level Engineering Graduates
- Project Engineers and Designers
- Project Managers

Fax Résumé to Arcadis:  
West Palm Beach – (561) 684-1812  
Port St. Lucie & Vero – (772) 878-1802  
EOE Employer



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**We believe.**  
A pencil in the right person's hand  
can make the world a better place to live.

www.MSCWinc.com  
Orlando Headquarters  
877 672 9788

At MSCW we are a team of talented individuals with diverse skills. We are a group of professionals with unique visions but common goals. And we are looking for other individuals to join our team – people with vision, people with passion, people who want to help us change the world we live in.

We are currently seeking to fill multiple openings in our Stuart office, including the positions of staff and project engineers, project managers and all levels of planner/designers. MSCW offers a generous compensation and benefits package, including health, dental, vision, life and disability coverage, 401(k) retirement benefits and ample paid time off.

To learn more about current openings at MSCW – formerly Miller Sellen Conner & Walsh – visit our new website at [www.MSCWinc.com](http://www.MSCWinc.com).

Civil Engineer needed with experience in design and preparation of land development projects and surface water management design and permitting. BSCE with PE or ability to obtain within 1 year preferred. Salary commensurate with experience and qualifications.

This position is with a growing Engineering Firm with offices in Fort Pierce and Okeechobee, FL.

Interested parties, please forward resumes to:

Shanda Walker  
210 NW Park Street, Suite 204  
Okeechobee, FL 34974  
Phone: 863-467-0076  
Fax: 863-467-0091



# CLASSIFIEDS



## Engineering & Water Resources, Inc.

7881 SW Ellipse Way, Stuart, Florida 34997 • 772-781-6408 • Fax: 772-781-6409 •  
[www.ewr1.com](http://www.ewr1.com)

Engineering & Water Resources, Inc. (EWR) currently has the following openings:

Professional Engineer with strong land development design and permitting background

Graduate Engineer with a BS or Master's degree in engineering from an A.B.E.T accredited college or university, preferably with an E.I. classification

Agricultural Engineer with experience in agricultural nutrient management plans and storm water management systems.

EWR is a young, aggressive and growing multidisciplinary consulting firm (visit our web site at [ewr1.com](http://ewr1.com)). We provide an excellent benefit program, including full family medical paid by the company, life insurance, cafeteria plan, 401K, paid time off, and competitive compensation. Send your resume to Melissa Corbett, P.E. at [melissac@ewr1.com](mailto:melissac@ewr1.com) or fax to 772-781-6409.



## Be A Part Of It!

Martin County not only recognizes their employees, but also rewards them for their efforts. We offer an excellent benefit package, competitive wages and the chance to do great work with great people!

### Project Engineer

Martin County Board of County Commissioners is seeking a energetic and devoted professional to perform managerial and administrative duties assisting the Department Director or designee with various complex engineering projects. The perfect candidate should be have considerable independent judgment and initiative in carrying out the daily operations of this section. For a detailed job description and application, please visit our website at [www.martin.fl.us](http://www.martin.fl.us) and click on the job opportunities page.

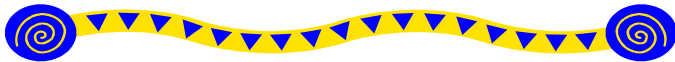
Martin County Board of County Commissioners  
2401 SE Monterey Road  
Stuart, FL 34996  
772-221-2363



## Classifieds



Did you know that the Treasure Coast Chapter will publish POSITIONS WANTED and HELP WANTED notices for its members at no cost?! Please email your advertisements to Jon Murray, E.I. at [Jon-M@LBFH.com](mailto:Jon-M@LBFH.com)

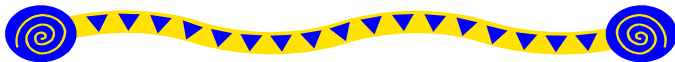


## Quote of the Month

“A great bridge is a great monument which should serve to make known the splendour and genius of a nation; one should not occupy oneself with efforts to perfect it architecturally, for taste is always susceptible to change, but to conserve always in its form and decoration the character of solidity which is proper.”

**Jean Peronnet**

*French Civil Engineer known for his stone arch bridges, especially the Ponte de la Concorde, Paris, France*



## Membership News

*Are you getting back for giving back to FES?*

This year reward yourself with FREE incentive prizes from FES. Each time you give back to FES through a new member sponsorship, you will receive a prize. Prizes vary from FES Bucks (to use like cash at FES events), to free membership dues at the state and national level, to a top prize of a two night stay at the Marco Island Marriott. A complete list of membership incentive prizes is available at [www.fleng.org](http://www.fleng.org) along with the FES membership application. For additional information about sponsoring new members, contact Kate Robinson Ray, Director of Membership Recruitment at 850-224-7121 or [KRay@fleng.org](mailto:KRay@fleng.org).

## Questions or Comments?

If you have any questions/comments, or if you would like something included in the monthly publication, please feel free to contact Jon Murray, E.I. at [Jon-M@LBFH.com](mailto:Jon-M@LBFH.com) or by telephone at (772) 286-3883

**For Members Only** - If you would like a link to your company's web page added to our web site, please e-mail Jon Murray, E.I. at [Jon-M@LBFH.com](mailto:Jon-M@LBFH.com) or call (772) 286-3883.

### **2006 - 2007 Treasure Coast Chapter Board Members**

Marcos Montes De Oca, P.E., President (863) 763-8999 [Marcos-M@LBFH.com](mailto:Marcos-M@LBFH.com)  
Heidi Henderson, E.I., Vice President (772) 283-1413 [HHenderson@Creechinc.com](mailto:HHenderson@Creechinc.com)  
Will Cornelius, E.I., Treasurer (772) 878-0072 [WCornelius@Ardaman.com](mailto:WCornelius@Ardaman.com)  
Jonathan Murray, E.I., Secretary (772) 286-3883 [Jon-M@LBFH.com](mailto:Jon-M@LBFH.com)  
John Donahue, P.E., Regional Vice President (772) 461-2450 [John-D@LBFH.com](mailto:John-D@LBFH.com)  
Chad Rucks, P.E., Past-President (863) 763-8999 [Chad-R@LBFH.com](mailto:Chad-R@LBFH.com)  
Patrick J. Ferland, P.E., State Director (772) 878-1700 [Pferland@arcadis-us.com](mailto:Pferland@arcadis-us.com)

#### **TREASURE COAST CHAPTER**

Chartered 1987

#### **FLORIDA ENGINEERING SOCIETY**

Affiliated with

**NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS**

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

