



National Engineers Week / February 19-25, 2006

PRESIDENT'S MESSAGE

Chad O. Rucks, P.E.

Are you a member of the Florida Engineering Foundation? The FEF was founded in 1986, and is responsible for the funding of the Florida Engineering Society's state scholarships. The funds for this year is approximately \$25,000, to which will be given to students who have a desire to pursue a career in any field of engineering. The intent of the scholarship is to promote the education of engineering to high school and college student in our state. All the funding for these scholarships are funded by tax deductible contributions from FES members, private companies and the general public.

Our chapter also issues local scholarships to student within Martin, St Lucie, Okeechobee, and Highlands County. The majority of the funds for these scholarships are generated from our Annual Golf Tournament in June and our Bust-A-Cap in January. I hope that you can join us for these events this year to help raise money for our local high school student. The Bust-A-Cap is set for January 28th and will consist of day of shooting sporting clays and an old fashioned bar-b-que. This is definitely an enjoyable event for everyone and please feel free to invite member from outside the club.

Calendar of Events for Upcoming Months



January 28	Treasure Coast Chapter 3 rd Annual Bust-A-Cap
February 10	Florida Building Code Seminar (Tampa)
February 11	Martin County Regional Science and Engineering Fair
February 14 - 16	Advanced Maintenance of Traffic (MOT) Training (Ft. Lauderdale)
February 16	FICE/FDOT Drainage Standard Indexes
February 18	Treasure Coast Chapter MATHCOUNTS Competition
February 24	Treasure Coast E-Week Banquet

February Meeting at a Glance...

What: E-Week Dinner and Awards Banquet

Where: Ballantrae Golf and Yacht Club

When: February 24th

Cocktail Hour 6:00 pm

Buffet Dinner 7:00 pm

Cost: \$40.00/person

RSVP: Chad-R@lbfh.com

FEBRUARY MEETING SUMMARY

This year's E-Week celebration will include our annual E-Week Dinner and Awards Banquet. The E-Week Banquet will be held on Friday, February 24th at Ballantrae Golf and Yacht Club beginning with a 6:00 pm cocktail hour and 7:00pm buffet dinner. Dress is business formal. The cost is \$40/person. Please RSVP to Chad Rucks at Chad-R@lbfh.com or by calling (863) 763-8999 no later than February 17th.



TREASURE COAST CHAPTER COMMITTEE OPPORTUNITIES

We still need volunteers for many State Committees. Below is a list of the committees that are available, For details on a specific committee and an explanation of responsibilities, please see the FES website (<http://www.fleng.org/aboutfes.cfm>). If you are interested in volunteering for any of these committees, please contact Chad Rucks at 863-763-8999 or Chad-R@LBFH.com.

Energy Committee

Study and make recommendations to the Commission on Legislative and Government Relations of the Florida Engineering Society with respect to energy matters affecting the public and the profession. Prepare studies and make recommendations to the Commission on energy policies or positions that would be appropriate for the Society to adopt and promote.

Communications Advisory Committee

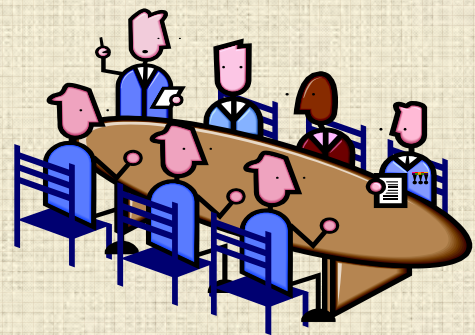
The objectives of this committee shall be to focus on opportunities for FES to improve its internal and external public relations efforts through effective use of communications.

Charter and Bylaws Committee

Maintain a continuing study of the Society's Charter and Bylaws and make recommendations to the Board for revisions. Review proposed amendments to the Charter and Bylaws and make recommendations to the Board on the manner in which they shall be incorporated in the wordage of the Charter and Bylaws.

Commission on Legislative & Government

The purpose of the commission is to provide the Florida Engineering Society with maximum participation in and proper coordination of its legislative and government relations program.



50 Ways One Engineer Can Make a Difference

One person can make a difference in the engineering profession and in National Engineers Week. Here are 50 ways to try.

1. The 100th anniversary of powered, piloted flight was celebrated in 2003. Check out the history of aviation and share the excitement of a [flight simulation of the original Wright Flyer](#).
 2. Check the National Engineers Week Internet site - www.eweek.org - weekly to find out what's new and what activities have been added to the "Featured Local Activity."
 3. Introduce a Girl to Engineering! Use the free EWEEK "[Introduce a Girl to Engineering Day](#)" kit or place a public service announcement in your local movie theater.
 4. Volunteer to help a local middle school participating in the National Engineers Week Future City Competition™. Or, you can help sponsor a prize or judge a local contest. You may even win a trip to Washington, D.C.! Visit www.futurecity.org
 5. [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.
 6. Visit Internet sites of your [professional and technical organizations](#) to see what they are doing for Engineers Week. If they don't show anything, help create ideas and suggest they link to www.eweek.org!
 7. Enter news of your local activities on the www.eweek.org [database](#) and enter your name as a [local contact](#)
 8. From Jeremy Hubers: Get involved with a volunteer organization such as Habitat for Humanity and represent your engineering chapter with a volunteering spirit.
 9. 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."
 10. Contact the Junior Engineering Technical Society (www.jets.org) to request guidance brochures for various engineering disciplines and explore high school programs.
 11. Open your college engineering lab for public tours.
 12. Help kids ages 6-12 [ZOOM Into Engineering](#) with a [toolkit](#) developed by WGBH television specifically for National Engineers Week volunteers
 13. Present a demonstration for high school science and math clubs.
 14. Urge high school and college engineering students to use the current "[New Faces of Engineering](#)" as a resource.
 15. Contact your employer's internal communications staff and let them know when Engineers Week will occur. Present ideas for ways to celebrate the company's achievements.
 16. Visit www.discoverengineering.org and promote this site to middle school students.
 17. Contact a middle or high school and offer to have a student shadow you on the job.
 18. 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.
 19. Plan a special recognition luncheon in your office and invite the CEO or chief technical officer to participate.
 20. Order [Engineers Week materials](#) that can help with your programs.
 21. Visit www.greatachievements.org for useful information about great engineering achievements of the past 100 years.
 22. 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."
 23. Visit Connecting the World to Engineering and urge engineering students and young professionals to use the [forum](#) to generate interest in Engineers Week.
 24. Visit www.nae.edu/awards to learn about the Charles Stark Draper Prize, the "Nobel Prize" of engineering.
 25. 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.
 26. Contact a local speakers bureau (try the Chamber of Commerce) and offer to speak before local civic and business groups.
 27. Develop and maintain a directory of engineering societies or company engineers willing to visit schools, and let schools know this list is available.
 28. [Organize](#) an Engineers Week Committee with your office or professional society chapter.
 29. Organize a walking or bus tour of interesting engineering achievements in the community.
 30. Sponsor a workshop to help teachers understand what engineers do.
 31. Host a program at a local Boys & Girls Club.
 32. Participate in an [engineering fair](#) at a local college. Many engineering schools host such fairs during Engineers Week.
 33. Enter a [contest](#) here.
 34. Suggest a contest to eweeek@nspe.org.
 35. Create special exhibits in public spaces at your office. Place Engineers Week [tent cards](#) on tables in the company cafeteria.
 36. Offer to create an Engineers Week Internet site for a local committee.
 37. Order Engineers Week [notecards](#) for informal correspondence.
 38. Volunteer to serve as a judge for a school science or technology fair.
 39. Wear an Engineers Week [t-shirt or cap](#).
 40. Send an Engineers Week [modem cord winder](#) or water bottle to clients or your children's teachers.
 41. 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.
 42. [Suggest improvements](#) to this web site.
 43. Help with a local [MATHCOUNTS](#) competition that occurs during Engineers Week.
 44. 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.
 45. Organize an essay contest for a local class.
 46. 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.
 47. Work with community television to provide [Engineers Week videos](#), [engineering movies](#) and public service announcements.
 48. Order a National Engineers Week banner from a local sign store and display it at your workplace entrance.
- Here's number 49 from EWEEK Headquarters!
49. [Contact](#) National Engineers Week headquarters to see if there is an Engineers Week organization in your area.

Number 50 comes from engineer Ron Clark, who plans to offer the Engineering merit badge to the local Boy Scout troop, visit the local school's solar powered vehicle, and offer a tour of a power plant.

MATHCOUNTS®

MATHCOUNTS® is a national math enrichment, coaching and competition program that promotes middle school mathematics achievement through grassroots involvement in every U.S. state and territory. With over 22 years experience, MATHCOUNTS is one of the most successful education partnerships involving volunteers, educators, industry sponsors, and students.

After several months of coaching, participating schools select students to compete individually or as part of a team in one of more than 500 written and oral competitions held nationwide and in U.S. schools overseas. Winners at the local level proceed to state competitions, where the top 4 Mathelets® and top coach earn the right to represent their state or territory at the national level. At all levels, MATHCOUNTS challenges students' math skills, develops their self-confidence and rewards them for their achievements.

The Treasure Coast Chapter competition will be held on Saturday, February 18, 2005 at the Indian River Community College campus in Fort Pierce. ****VOLUNTEERS ARE NEEDED FOR THE DAY OF THE COMPETITION.**** Volunteer duties include check-in, test grading, and proctoring. This is a fun way to get involved and assist with one of our chapter's most important annual events. Times vary depending on volunteer duties; however, typically volunteers arrive around 7 am and finish around 2 pm.

Please contact Allen Bottorff at ebottorff@ircc.edu or Jesse Markle at Jesse-M@lbfh.com to volunteer or for more information.

CONTINUING EDUCATION NEWS

Florida Building Code

Advanced Study of Structural Wind Loading Criteria, Wind Load Design Options

February 10, 2006 - Tampa

Who should attend?

Structural engineers and other design professionals governed by the Florida Building Code.

Why?

- Identify appropriate design tools given a set of site and design considerations.
- Understand how the basic design pressures are determined using an example of the analytical design procedures provided in Method 2 of ASCE 7-98 and FBCs1606.2
- Use the simplified provisions contained in Chapter 16 given a set of site and design conditions.
- Understand the variations in the design (performance and prescriptive) pressures given the use of appropriate design tools.

Registration Deadline - January 30, 2006

Cost:

FES/FICE Members - \$249.00 (\$299.00 after January 30)

Non-Members - \$349.00 (\$399.00 after January 30)



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 Orlando. We offer competitive salaries and an excellent benefits package including health insurance, 401(k), Paid Time Off and flexible schedules. Please submit resumes with salary expectations to careers@lbfh.com or visit our website at www.lbfh.com for more information.



Civil Engineers

Creech Engineers, Inc. has an immediate opening for Civil Engineers with 5+ years experience in our Land Development group located in our Jensen Beach and Jupiter, Florida offices.

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 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 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 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:

- Survey Party Chiefs
- Survey Instrument
- Survey and Engineering CADD Technicians
- Entry Level Engineering Graduates
- Project Engineers and Designers
- Project Managers

Fax Résumé to Arcadis:

West Palm Beach – (561) 684-1812

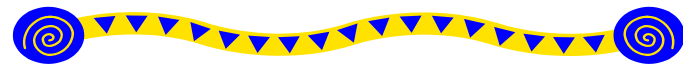
Port St. Lucie & Vero – (772) 878-1802

EOE Employer

Membership News

Are you getting back for giving back to FES?

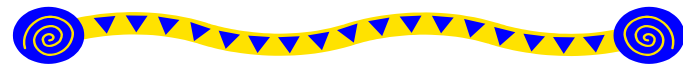
This year reward yourself with FREE incentive prizes from FES. Each time you give back to FES through a new member sponsorship, you will receive a prize. Prizes vary from FES Bucks (to use like cash at FES events), to free membership dues at the state and national level, to a top prize of a two night stay at the Marco Island Marriott. A complete list of membership incentive prizes is available at www.fleng.org 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.



Quote of the Month

"Mach 2 travel feels no different." a passenger commented on an early Concorde flight. "Yes," Sir George replied. "That was the difficult bit."

- Sir George Edwards, co-director of Concorde development

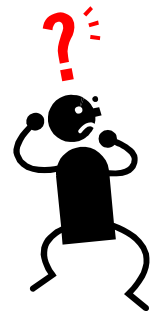


For Members Only - If you would like a link to your company's web page added to our web site, please e-mail Will Cornelius, E.I. at WCornelius@Ardaman.com or call (772) 878-0072.

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 Will Cornelius, E.I. at WCornelius@Ardaman.com



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 Will Cornelius, E.I. at WCornelius@Ardaman.com, or by telephone at (772) 878-0072

2005 - 2006 Treasure Coast Chapter Board Members

Chad Rucks, P.E., President (863) 763-8999 Chad-R@LBFH.com
Marcos Montes De Oca, E.I., Vice President (863) 763-8999 Marcos-M@LBFH.com
Heidi Henderson, E.I., Treasurer (772) 283-1413 HHenderson@Creechinc.com
Will Cornelius, E.I., Secretary (772) 878-0072 WCornelius@Ardaman.com
John Donahue, P.E., Regional Vice President (772) 461-2450 John-D@LBFH.com
David Andre, P.E., Past-President (772) 807-9191 DAndre@aaceinc.com
Patrick J. Ferland, P.E., State Director (772) 878-1700 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

