

BLACKLINES

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

Volume 18, Issue 8

August, 2004

President's Message

David P. Andre, P.E.

As engineers, we've come a long way. Innovations in technology have allowed us to more accurately design, plan and model. But even these advancements are not guarantees.

We design and build the communities in which we live, but sometimes destructive powers beyond anyone's comprehension strike with devastating force. As the effects of Hurricane Charley are still being realized, the questions are already being posed by the media: "why wasn't Charley's path recognized earlier". Up until late Friday morning, most forecasters predicted the storm to make landfall in the Tampa region. Unfortunately for those in path of the storm, Hurricane Charley would not follow conventional models.

Recent advancements by engineers and scientists in the field of hurricane tracking and predictions have undoubtedly created a much safer state for all. However, the precise path of a storm with what would seem a mind of its own could not be determined by even the brightest minds. Why? Because there are forces and elements within our world that can not always be predicted. Unfortunately, this is of little consolation to those thousands of Floridians affected by Charley's wrath.

After all the dust settles and some sense of normalcy returns, the engineers and scientists will be asked to improve on existing modeling techniques. We've come a long way, but we still have a long way to go.

Calendar of Events for Upcoming Months



August 18-20	Workzone Traffic Control-Tampa
August 19	Chapter Meeting St. Lucie River Update Follow-Up to 2003 E-Week Project
September 2-3	Parks and Recreation Facilities
September 13-15	Workzone Traffic Control-Orlando
September 16	Chapter Meeting Martin/St. Lucie County Administrators FY05 CIP Update
September 21	FICE/FDOT Financial Manager's Workshop
September 27-28	Stormwater Management: Designer's Course
October 13	Project Management Panama City (tentative)
October 14	Laws and Rules Panama City (tentative)
October 21	Chapter Meeting TBA
October (dates to be determined)	Roadway & Street Geometrics Design (for Non-FDOT Consultants) (Tentative)

August Meeting at a Glance...

What: St. Lucie River Update

Where: Club Med – Port St. Lucie

When: Thursday, August 19th
6:45 pm

Cost: \$25.00 (includes beer and wine!)

RSVP: dandre@ardaman.com

August Chapter Meeting

Characterization, Sources, Beneficial Re-uses, and Removal of Marine Muck Sediments in the St. Lucie Estuary

Let's Talk MUCK!!

The FES August Chapter Meeting will be held Thursday, August 19th at Club Med in Port St. Lucie. The doors open at 6:45 pm for a buffet-style dinner. The cost is \$25/person and includes beer and wine.

This month's topic will be "*Characterization, Sources, Beneficial Re-uses, and Removal of Marine Muck Sediments in the St. Lucie Estuary*", presented by FES member, Kevin Henderson, P.E. Many of you may recall that last year's FES E-week project was the design and construction of a sediment trap that was installed in the South Fork of the St. Lucie River by FES members. This interesting and informative presentation includes data gathered during this project.

Please RSVP to David Andre by Wednesday, August 18th at dandre@ardaman.com or by calling (772) 878-0072.

2004-2005 Dues Renewal

It's that time of year again... 2004-2005 FES dues statements will be mailed September 1st and are due October 1st to FES. Membership dues can be paid via credit card, check, or money order. Completed statements can be faxed to FES at 850-222-4349 or mailed to FES, PO Box 750, Tallahassee, FL 32302. New this year, FES dues can be paid on-line. Simply log in to the 'Customer Log In' section of the FES web page, www.fleng.org. Your 'Customer Number' is your FES Number (located on your dues statement) and 'Password' is your last name. If you have any questions regarding your dues, please contact Kate Robinson or Janice Faulk with FES at 850-224-7121.

Florida Engineers Political Action Committee (FEPAC)

Ever wonder what that check-off is on your dues renewal? Are you a member of the Florida Engineers Political Action Committee (FEPAC)?

With excellent, proven track results, FEPAC is a vital part of the legislative process for the Engineering profession. For more information on FEPAC, please call Samantha Hobbs 850.224.7121, email shobbs@fleng.org or visit <http://www.fleng.org/legaff.cfm?picked=22>.

FES... A great opportunity to increase membership

Help FES reach out to 40 new members a month by inviting a co-worker to this month's chapter meeting. This little encouragement could turn into a new member. There are several great reasons to join, including a nice selection of continuing education courses. **Don't forget each new member you sponsor earns you a change to win a trip to the 89th Annual Summer Conference & Exposition at the Marco Island Marriott.** Membership applications are accepted year round via fax 850-224-7121 or mail, FES, 125 S. Gadsden Street, Tallahassee, FL 32301.

Membership applications are available at www.fleng.org, or contact Kate Robinson, Director of Membership Recruitment at 850-224-7121 or krobinson@fleng.org.

Treasure Coast Chapter Wins Membership Award

Each July 31st, the FES membership department closes their books for the year. At this time they recognize the top membership growth, recruitment, and retention in the small, medium, and large chapter categories. This year's winners are:

Small Category –

Best Overall Membership – Nature Coast Chapter

Best Membership Recruitment – Nature Coast Chapter

Best Membership Retention – Nature Coast Chapter

Medium Category –

Best Overall Membership – Daytona Beach Chapter

Best Membership Recruitment – Treasure Coast Chapter

Best Membership Retention – Daytona Beach Chapter

Large Category –

Best Overall Membership – Tampa Chapter

Best Membership Recruitment – Tampa Chapter

Best Membership Retention – Northeast Florida Chapter

With a new membership year ahead, you have the opportunity to help your chapter receive one of these awards. Membership applications are available at www.fleng.org or by contacting Kate Robinson at krobinson@fleng.org.

Along with your chapter receiving recognition, each new member sponsor receives recognition through the FES & NSPE Incentive Program. Next month, 42 FES members will be receiving their 2004-2005 NSPE National dues for free. Plus 7 of those members will be receiving their FES State dues for free. What a great reward for passing the word about FES along. Look for a new incentive program soon. Information will be posted at the FES web page, www.fleng.org.

What Does FES Do For You?

Latest Industry Trends

- Timely, vital information
- *FES Journal*
- *FES Directory & Guide*
- *Member Times*

Education That Means Business

- Continuing education seminars to help you earn Certificates of Professional Development that document your commitment to professional excellence.

Capital Representation

- Representation before all government agencies.

Recognition From Your Peers

- Affiliation with over 4,000 of your peers in Florida and over 45,000 nationwide through NSPE.
- FES offers opportunities for engineers to be **honored and recognized** by their peers each year.

Giving Back to the Community

- Membership in one of 20 local **chapters**. Networking with other engineers in your community.
- Volunteering and participating in chapter-sponsored community projects.
- Working with elementary, middle, and high school students who are the future of engineering, through such programs as **MATHCOUNTS**.
- Assisting in the awarding of thousands of dollars in **scholarships** to students studying engineering.
- Membership in the practice section of your choice. **Private Practice, Construction, Industry, Education, Government**

Helping to Build Your Career

- Information on the latest industry trends to keep you abreast of rapidly changing issues.
- Seminars, workshops, and forums to enhance your skills.
- Leadership training and opportunities.
- Networking with your fellow engineers. Your key to meeting the top professionals in your community.

Only Through Numbers Do We Have Strength...

Continuing Education Opportunities

The Florida Engineering Society's On-Line Laws and Rules Course

FES Members \$99 / Non-members \$149
4 PDH's in the area of Laws and Rules

This course can be accessed at:

http://www.fleng.org/tests.cfm?c_id=1

Course Overview

This course covers Chapter 471, Florida State Statutes (Engineers Registration Law), and Chapter 61G15, Florida Administrative Code (Rules of the Florida Board of Professional Engineers). By completing this course, you will meet your licensure renewal requirement of four Professional Development Hours in the Laws and Rules.

It is estimated that an individual will spend approximately three hours reading and reviewing the Laws and Rules in preparation for the test and one hour completing the test. Total course time: four hours.

The Florida Engineering Society's Project Management Course

FES Members \$125 / Non-members \$225
4 PDH's of Technical Credit

This course can be accessed at:

http://www.fleng.org/tests.cfm?c_id=2

Course Overview

Project Management involves a broad and diverse range of functional duties and responsibilities that require a comprehensive array of knowledge, skills and competencies. The purpose of this course is to present selected "Best practices" that can be practically applied to foundational PM activities common to virtually all projects. By applying these "best PM practices" you can improve your personal performance and enhance the probability of achieving successful project outcomes.

It is estimated that an individual will spend approximately three hours reading and reviewing the Project Management manual in preparation for the test and one hour completing the test. Total course time: four hours.

Parks and Recreation Facilities Planning, Design, and Construction

Thursday, Sept. 02, 2004 - Friday, Sept. 03, 2004
The Westin Ennis Brook Resort, Palm Harbor

until August 25th:

\$299 FES/FICE Members / \$349 FES/FICE Non-Members
4 PDH's of Technical Credit

For more information or to register for this course, click on this link:

http://www.fleng.org/seminars.cfm?event_id=144

This course is for professional engineers, architects, landscape architects, certified land planners, parks and recreation directors, and government employees involved in the development of recreational facilities. Whether you are an experienced park facilities designer or a novice in this specialty area, this course will provide you with a comprehensive approach to the planning and design of recreational facilities as well as update you on new and exciting trends in the industry.

Stormwater Management: A Designer's Course

Orlando Marriott-Lake Mary
September 27-28, 2004

until September 17th:

\$345 FES/FICE Members / \$445 FES/FICE Non-Members
12 PDH's of Technical Credit

For more information or to register for this course, click on this link:

http://www.fleng.org/seminars.cfm?event_id=142

A Two-day Technical Course for Designers of Stormwater Management Systems. Whether you are just beginning in this multidisciplinary field or you are an experienced designer, this course will refresh your knowledge of the critical basics and prepare you select and use strategies to design comprehensive stormwater management systems.

THANK YOU TO OUR NEW COMMITTEE VOLUNTEERS



Professional Concerns Committee: Allen Bottorff, P.E. ◦ LBFH, Inc.

Conservation & Environmental Quality (CEQ) Committee:
Rick Creech, P.E. ◦ Creech Engineers, Inc.

Student Advisory Committee: Will Cornelius, E.I. ◦ Ardaman & Associates, Inc.

WE STILL NEED VOLUNTEERS for many State Committees. Below is a list of the committees that are available, with a brief explanation of the duties. For further details on a specific committee, please see the Florida Engineering Society website. If you are interested in volunteering for any of these committees, please contact David Andre at 772-878-0072 or dandre@ardaman.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. Monitor the activities of the Public Service Commission and other state agencies or legislative groups with an energy interest to insure that sound engineering knowledge and practice are employed in protecting the public's interest and in making regulations that will impact on the public. Coordinate with the National Society of Professional Engineers in its energy-related activities and represent the Florida viewpoint in their deliberations when appropriate.

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. Review past and current issues of the JOURNAL of the Florida Engineering Society. Provide comments and suggestions on past and current issues. Recommend topics of interest. Write occasional articles in their areas of interest.

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. Serve in an advisory capacity in interpreting the provisions of the Charter and Bylaws. Review and make recommendations to the Board on all new Chapter Charters and Bylaws and all proposed amendments thereto. Review and make recommendations to the Board with respect to the maintenance of a model Chapter Charter and Bylaws.

Constructed Environment Committee

Study and make recommendations to the Board with respect to matters relating to the constructed environment. In that regard, the committee shall prepare studies and make recommendations to the commission on legislation, administrative rules, or governmental policies on matters relating to the constructed environment that would be appropriate for the Society to adopt and promote. The committee shall establish liaison with the Florida Association of the American Institute of Architects, the Florida Home Builders Association, and other such professional societies, trade associations, or technical societies on issues of common interest. The committee may sponsor educational workshops or seminars for members of the Society, the profession, and the industry to discuss and develop laws, regulations, and procedures which will protect the public interest and allow maximum professional creativity.

Annual Meeting Steering Committee

Review hotel proposals for the annual meeting and recommend a site to the Board of Directors. Approve a theme which is topical and of interest to the entire profession, and which shall convey the major emphasis of the meeting to the membership and the public. Approve a meeting budget. Approve the program format and advise staff on potential speakers.

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. Responsibilities of the commission include periodic review of the efforts of the committees within the Division of Public Affairs and the development of recommendations to the FES Board as to proposed positions on legislative and government relations issues and priorities for accomplishment.



Quote of the Month

Engineers ... are not superhuman. They make mistakes in their assumptions, in their calculations, in their conclusions. That they make mistakes is forgivable; that they catch them is imperative. Thus it is the essence of modern engineering not only to be able to check one's own work but also to have one's work checked and to be able to check the work of others.

- *Henry Petroski*
To Engineer Is Human.



Treasure Coast Chapter Website

<http://old.fleng.org/treasurecoast/index.htm>

Our Chapter's new "Web Master" is Jeremy McBryan, P.E. with PBS&J in West Palm Beach. His help is greatly appreciated. Thank you, Jeremy! Please email any website suggestions to Teri Andre at teri.andre@mscwinc.com.

For Members Only - If you would like a link to your company's web page added to our web site, please e-mail Teri Andre at teri.andre@mscwinc.com or call (772)219-4003.



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 Teri Andre at teri.andre@mscwinc.com.

(Sorry, but this offer does not apply to employment agencies working for a fee.)



Questions or Comments?

Newsletter – If you have any questions/comments, or if you would like something included in the monthly publication - please feel free to contact Teri Andre, P.E. at teri.andre@mscwinc.com, or by telephone at (772) 219-4003.

2004 - 2005 Treasure Coast Chapter Board Members

- David Andre, P.E., President (772) 878-0072 dandre@ardaman.com
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- Chad Rucks, E.I., Treasurer (863) 763-8999 chad-r@lbfh.com
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- John Donahue, P.E., State Director (772) 461-2450 john-d@lbfh.com
- Lisa Wichser, P.E., Regional Vice President (772) 286-3883 lwichser@martin.fl.us
- Melissa Corbett, P.E., Past-President (772) 781-6408 melissac@ewr1.com



TREASURE COAST CHAPTER
Chartered 1987
FLORIDA ENGINEERING SOCIETY
Affiliated with



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