

ENVISION

NEWSLETTER OF THE NORTHEAST FLORIDA CHAPTER OF THE FLORIDA ENGINEERING SOCIETY
JANUARY 1998

HAPPY NEW YEAR!!
COME, JOIN THE REST FOR THE FIRST
FES JOINT LUNCHEON OF 1998

AND BRING A POTENTIAL MEMBER

DATE: Tuesday January 13, 1998

LOCATION: Ramada Inn - Mandarin
I-295 & State Road 13
3130 Hartley Road

TIME: 11:30 AM Registration
12:00 Noon - Luncheon

SPEAKER: Dr. Bruce Steinberg
Jacksonville Orthopaedic Institute

TOPIC: Non-invasive Diagnosis of
Compartment Syndrome *

LUNCH: Fruit Cup
Chicken a L'Orange
Baked Potato
Green Bean Almondine
Chocolate Cake

COST: \$12.00 per person
See following note re guests

HOST: FES

FOR RESERVATIONS please call Brenda
Middlebrook at 880-0960 by Friday January 9, 1998.

* Yes, you read correctly. Dr. Steinberg is a Mechanical Engineer and also a physician at Jacksonville Orthopaedic Institute (the Jacksonville Jaguars' team doctors). Dr. Steinberg will present an engineering slanted slide show on how they diagnose joint and bone problems using non-invasive methods. Now you can find out the details about how the Jaguars' athletes are examined and treated.

NOTE: The chapter wants to encourage new members for FES, so please bring a potential member for lunch. If they decide to Join FES, we will reimburse them for the cost of the lunch.



COMING EVENTS

LUNCHEONS

FES/ASCE/SAME luncheon meetings are held at the Ramada Inn Conference Center in Mandarin. Cost to society members is \$12.00. Registration begins at 11:30 AM with lunch at 12:00 noon. For more detailed information on future meetings, call Brenda Middlebrook at 904-880-0960.

DATE

PROGRAM

February 20	Engineers week Kick-off Luncheon
March 17	TBA
April 21	TBA

OTHER FES FUNCTIONS

Other FES Functions for 1997-1998 have been or are being scheduled as follows. Details about cost, reservations etc. will be in future issues. (list revised from last issue)

January 31, 1998 Habijax Day of Service (see article)

Feb. 22-28, 1998 Engineers Week

March 21, 1998 St. John's River Cleanup Day

May (TBD) 1998 Family Picnic at Jacksonville Suns

June 16, 1998 Officer Installation Dinner

REPORT ON NOVEMBER 18 LUNCHEON

Those in attendance were greeted by Myra Wilburn, President A. S. C. E. who lead the pledge to the flag. The invocation was given by Jim Horton. There were about 60 engineers in attendance. Pertinent announcements were made by each society including introduction of new S. A. M. E. officers. FES announcements included: the December 3 Christmas dinner, the Thanksgiving basket drive and the Habijax project. Andy Cummings also announced the meeting schedule for the Engineers Week committee. They will be held at the Haskell Company and will begin meeting in November. **(Andy is looking for volunteers and would greatly appreciate your offer to help. This would be an opportune time to become involved and get acquainted with engineers in a variety of fields.)** The visiting guest speaker from S. A. M. E. was Steve Doyle, a scientist/biologist engaged in the natural resources program at Fort Stewart.

The main speakers were Keith Daw, Esq. and Philip Elson. They described efforts being made to optimize land use by restoring Brownfields to usable condition and preventing their future proliferation. They explained how Brownfields have come about, what the goals are to achieve correction and the efforts being made to prevent future problems. Much of the urban sprawl taking place is due to developers reluctance to build on property (Brownfields) they believe may prove to be a liability for them because of unknown contamination in those areas.

The River City Brownfields Collation is an ad hoc committee formed to obtain grants to make improvements. The state has passed legislation and provided funds to help support Brownfields development. Some grants have been awarded. The areas of current study were presented but it was stressed that input about other sites is welcome and a willingness to help exists. Some trouble sites can be very small, such as an abandoned laundry.

The ad hoc committee seeks to coordinate the resources necessary to accomplish the goals. Some examples of successful projects are the Alltel stadium, new downtown building sites etc. which had been Brownfields. Incentives have been established to attract developers who might otherwise seek locating elsewhere. In an attempt to develop good public relations, they are working hard to generate community involvement, mutual understanding and input at the grass roots level.

A brief question and answer period followed. This revealed that some new uses may not require pristine conditions. Therefore, some funds can be saved by avoiding overkill. Comment was also made that the Florida program is being built from the grass roots level up rather than by government edict down. This can result in better cooperation for accomplishing the goals in a public/ private sector relationship.

The meeting adjourned at 1:15 PM.

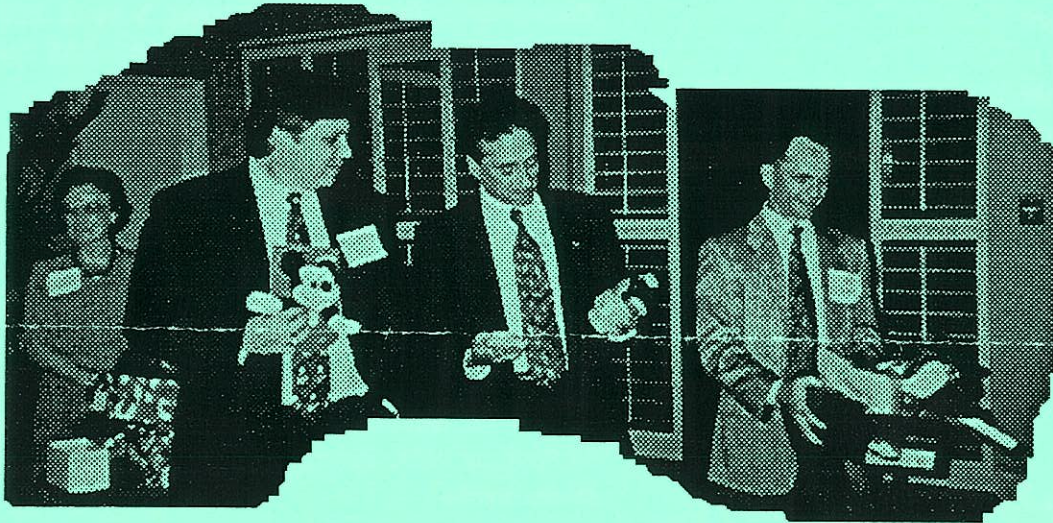
CHAPTER MEMBERS HELP WITH CAREER DAY

Ken Loeftgren, PE, Mike Lithman, PE, and Keith Craig, PE, joined professionals from other fields at Kirby-Smith Middle School on Career Day. They took part in discussing their careers as Professional Engineers with students from the 7th and 8th grades. Our hats off to these gentlemen for contributing their time and talent for the benefit of our youth and to enhance the image of our profession. This is just one example of what each of us can do and what we can accomplish when we are called upon or when we see an opportunity to be of service to others.

CHRISTMAS DINNER SUCCESS

We missed you if you were unable to attend the annual Christmas Dinner held at the Deerwood Country Club.

The distribution of Gag Gifts proved to be the



There were about 45 in attendance including a good representation of engineering students from Jacksonville University. Comments and reports confirmed that everyone had a good time. The dinner was delicious and the camaraderie great.



highlight of the evening providing a quantity of good hearted humor in a friendly environment.

If you were unable to come, please mark your calendar for next year. It was a wonderful time to meet new folks and their spouses - who proved capable of poking respectful fun at "Engineers" and how they do things around the house.

ENGINEERS WEEK AWARD NOMINATIONS REQUESTED

Award nominations are respectfully requested for the following categories:

1. Technician of the Year-1998: NEW THIS YEAR!!

Candidate must have worked in an engineering related field for at least 10 years. Does not have to be a FES member but must have worked with an FES member.

2. Young Engineer of the Year-1998:

Candidate must be 35 or younger on January 1, 1998, must have either a P. E. or E. I., and must be a FES member.

3. Engineer of the Year-1998:

Candidate must be 36 or older on January 1, 1998, must have a P. E., and must be a FES member.

To request a formal awards application for any of the above categories, call Allan Boree at 279-2312. Applications must be received by January 16, 1998.

These awards are an extremely important means of recognizing outstanding achievements by worthy engineers and greatly help further a positive image of the engineering profession.

THE FLORIDA ENGINEERING SOCIETY'S PROFESSIONAL DEVELOPMENT PROGRAM

The following is condensed from information received regarding the FES Professional Development Program and Certificate of Continuing Professional Development. More details and further information can be obtained from Priscilla Trescott, Director of Professional Development, who joined the staff in Tallahassee in October. She is experienced in this subject area and will be devoting a great deal of her

attention to it. Priscilla may be reached by phone at 850-224-7121 or FAX 850-222-4349.

The endeavor is to meet member needs and presenters are experts with first hand experience and knowledge. Courses are offered on an on-going basis to FES members and non-members in the field of engineering. The courses are designed to:

- a. equip participants with appropriate skills and knowledge ---
- b. provide educational opportunities ---
- c. facilitate networking opportunities ---

IMPORTANT!! - Industry experts estimate continuing education for Professional Engineers will be **mandatory** within the next several years. To obtain a certificate, applicants must complete a minimum of 30 Professional Development Hours (PDH) within two calendar years.

By calling the editor of this newsletter, Dan Holmes, at 904-287-9750, you can obtain some information such as an outline on: Eligibility, Definitions, Requirements, Determination of credit, Conversion of Units, forms required and Record Keeping. The term of a certificate is two calendar years (January through December). The application fee is \$10.00 for FES members and \$20.00 for non-FES members.

EDUCATIONAL OPPORTUNITIES

Just yesterday, I received notice of a seminar in Orlando, January 30-31, 1998 at the Radisson Plaza Hotel. This program will enable **you to earn 14 PDHs and 1.4 CEUs** (Continuing Education Units). The topics are: "Creating the Future: Strategy and Tactics", "How to Eliminate Stress Through Desk Management", "Technically Speaking.." (Communications for Engineers in the Workplace), "Business Writing for Professional Engineers", "Management Styles". If you are like me and many engineers, these are subjects that can be of great benefit. Call 850-224-7121 or FAX 850-222-4349 for details. Ask for Priscilla Trescott.

SPONSORS NEEDED FOR STUDENTS

If you would like to help defray the cost for a student or group of students to attend the monthly luncheons, please call the chapter treasurer - John Ellis, II at 904-880-0960 or FAX 904-880-0970. As little as one student for one meeting would be appreciated. Getting engineering students involved with our profession while they are still in college, is a good way for them to develop the interests they will need for their respective practice after entering the business world. Chapter activities provide an excellent opportunity for them to meet and associate with others in the professions they are studying for. Getting to know these bright young people can be an enlightening experience for practicing engineers as well.

FES ACTIVITIES UPDATE

The FES Food Drive a Big Success. The FES Holiday Food Drive, which took place prior to the Thanksgiving Holiday, was a big success. FES member companies donated more than 500 pounds of food. The food was distributed to needy Jacksonville area families by local, private social service organizations. We would like to thank the companies that participated in this worthwhile cause:

- Blue Heron Consulting, Inc.
- Ellis & Associates, Inc.
- ICF Kaiser Engineers, Inc.
- Jefferson Smurfit Corp.
- Law Engineering and Environmental Services
- Pitman, Hartenstein & Associates
- Reynolds, Smith & Hills, Inc.
- Stone, Joca, Mahoney
- Taylor Engineering, Inc.
- Fred Wilson & Associates, Inc.

UPCOMING EVENTS

Please mark your calendar for these upcoming events:

A "Recruit a Potential Member Day"

The January 13, 1998 FES/ASCE/SAME joint luncheon meeting will be sponsored by FES. The theme is "Recruit a Potential Member Day". We encourage all of our members to get involved in recruitment of potential members by inviting a non-FES member to be your guest at the luncheon. All non-FES members attending the meeting as a guest of a member will be treated to lunch - courtesy of the chapter. Membership packets and information will be available for potential members. Please call Gray Edwards at 221-9921 if you have any questions or need help with recruitment ideas.

The Habijax home building effort will begin on Saturday, January 31, 1998. A group of engineers, led by Tim Wattleworth, will spend the day working on the construction of a home. Tim would like to thank all those who have already signed up, and encourage the members of SAME and ASCE to become involved as well. If you would like to help in this worthwhile program, please call Tim at 880-0960.

This program is of great benefit to our community, as it helps get families who have difficulty with a down payment into a home of their own. The buyers of these homes are required to provide hundreds of hours of "sweat equity" to make their dream a reality.

The "St. John's River Cleanup Day" is scheduled for March 21, 1998 and is the day of the St. John's River Celebration. The chapter is looking forward to participating in this activity and is looking for volunteers to help take part. The event has been planned with other river conservation activities and will be a great opportunity to meet some of your engineering community peers, while helping conserve the St. John's River. This project has been planned by Vince Seibold, Chair of the Conservation and Environmental Quality Committee. Call Vince at 904-448-4330 for more information and to sign up.

We hope these activities will increase your desire to get involved with your chapter. Volunteers are needed. We encourage you to become active by contacting the persons noted here or your chapter officers.

1997-1998 FES NORTHEAST CHAPTER CHAPTER OFFICERS

President	R. Bruce Taylor	W 904-731-7040 F 904-731-9847
President-Elect	Mike Lithman	W 904-880-0960 F 904-880-0970
Secretary	Mike Lithman	H 904-880-0960 F 904-880-0970
Treasurer	John Ellis, II	W 904-880-0960 F 904-880-0970
State Director	Scott Johnson	W 904-636-6736 F 940-636-0075

FES TALLAHASSEE OFFICE 800-277-0086
850-224-7121

1997-1998 COMMITTEES

Activities	Mark Mechling	W 904-880-0960 F 904-880-0970
Awards	Allan Boree	W 904-279-2312 F 904-279-2491
Communications	Dan Holmes	H 904-287-9750 F (Call)
Conservation and Environmental Quality	Vince Seibold	W 904-448-4330 F 904-448-4366
Directory	Don Ditzenberger	H 904-743-6946
EIT/PE Refresher Course	David Peigler	W 904-367-8683 F 904-733-6621
Ethical Practice	Bill Van Riper	W 904-264-1377 F 904-278-8469
Mathcounts	Andy Cummings	W 904-725-7971
Membership	Gray Edwards	W 904-221-9921 F 904-249-1524
Proj't CREATE	James Pearce	W 904-279-7200 F 904-279-7230
Scholarship	John Ellis, II	W 904-880-0960 F 904-880-0970
Student Professional Development	Alan Hartenstein	W 904-724-3546 F 904-724-9463

PRACTICE SECTION LIAISON

Fla. Prof. Engineers in Government	George Knecht	W 904-632-4426 904-632-4457
Fla. Engineers in Construction	Keith Kirwan	W 904-786-1120 F 904-783-2970
Fla. Engineers in Education	Ed Bertnolli	W 904-620-2970 F 904-620-2975
Fla. Engineers in Industry	Gene Tonn	W 904-798-5662 F 904-798-5700
Fla. Institute of Consulting Engineers	Frank Wilson	W 904-398-8636 F 904-398-2968

OTHER COMMITTEE MEMBERS

James Horton	W 904-396-5173 F 904-396-5703
Jeff Arey	W 904-398-4005 F 904-398-4511

STUDENT CHAPTER REPRESENTATIVE

Sally C. Garson	W 904-232-1042 H 904-826-4351 F 904-232-1213
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FES JOURNAL

1998 EDITORIAL CALENDAR*

January	Design/Build
February	Telecommunications/Legal Issues
March	Energy/Effect of Power Deregulation in Florida
April	Environmental/Effect of Global Warming
May	The Best in Engineering Excellence
June	Water/Demand Management/Impact on Keys
July	Transportation
August	Annual Report
September	GES/Applications of Software
October	Engineering Education in Florida
November	The Space Industry in Florida
December	1999 FES Member Directory

*Calendar subject to change
env01-98.wpd

ENVISION

NEWSLETTER OF THE NORTHEAST FLORIDA CHAPTER OF THE FLORIDA ENGINEERING SOCIETY
January 1998 - Engineers Week Preparation Edition

EXTRA!! EXTRA!! ENGINEERS WEEK PREPARATION

FEBRUARY 22 - 28, 1998, IS ENGINEERS WEEK AND OUR OPPORTUNITY TO PUBLICIZE THAT: ENGINEERS ARE PROFESSIONALS, ENGINEERING IS VITAL, ENGINEERING IMPACTS THE LIVES OF EVERYONE AND THAT ENGINEERS CARE ABOUT THE WELFARE AND WELL BEING OF OTHERS.

This issue has information to help make Engineers Week a success:

SEE "ENGINEERS WEEK PROGRAM GUIDE". This is your opportunity to make your interest known. Note that the deadline for space in the JACKSONVILLE BUSINESS JOURNAL is February 4, 1998. The issue date is February 20, 1998. The Journal promotion includes distribution information, how to obtain advertising space, prices etc.

SEE "ENGINEERS WEEK GOLF TOURNAMENT". Note the tournament schedule, sponsorship possibilities and player information. Also note the other meritorious organizations shown.

SEE THE APPEAL FOR CANDIDATES FOR: "Young Engineer of the Year - 1998", "Engineer of the Year - 1998" and "Technician of the Year - 1998". Please use this opportunity to help recognize fellow qualified professionals.

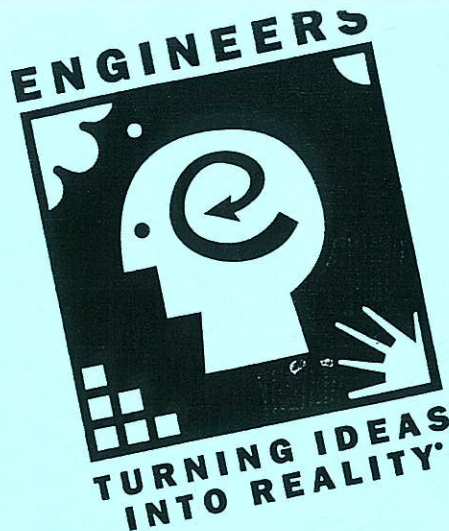
WEBSITE FOR ENGINEERS WEEK

<http://www.eweek.org>

Check it out for more info. There should be articles and items that NSPE is promoting. For those without internet, most libraries have access.

ALSO - SEE "HAB-i-JAX BUILDING EFFORT" for January 31, 1998

ALSO - SEE "ST. JOHN'S RIVER CLEANUP DAY" for March 21, 1998.



ENGINEERS WEEK PROGRAM GUIDE

**ENGINEERS WEEK
FEBRUARY 22-28 1998**

The program guide will highlight Engineers Week, the different engineering societies and what's the latest news in the industry.

Take this opportunity to share your advertising message with 68,000 First Coast businesspeople and the engineering industry.

DISTRIBUTION INCLUDES:

- At the Engineers Week Kick-off Lunch and the additional seminars throughout the week.
- Additional copies to the Engineering Associations for targeted distribution.
- To all Jacksonville Business Journal readers on February 20th.

The kick-off
Lunch is
scheduled for
February 20.

For more
information on
tickets and
seminar, call
Andy Cummings
(904) 249-7995.

BLACK & WHITE AD RATES

Full Page	10"x13-7/8"	\$2065
1/2 Page	10"x6-7/8"	\$1275
1/4 Page	4-15/16"x6-7/8"	\$845
1/8 Page V	2-3/8"x6-7/8"	\$500
1/8 Page H	4-15/16"x3-3/8"	\$500
Business Card	2-3/8"x2"	\$345

COLOR RATES

4 COLOR PROCESS	\$600.00 additional
ONE SPOT COLOR	\$200.00 additional

ISSUE DATE
February 20, 1998

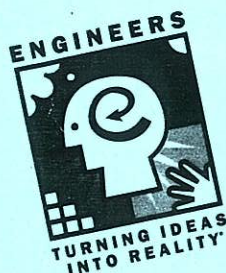
SPACE CLOSE:
February 4, 1998

JACKSONVILLE
BUSINESS JOURNAL
THE FIRST COAST BUSINESS AUTHORITY

- ☐ Yes, I'm interested in advertising please call me.
- ☐ Yes, I'm interested in advertising please use same ad as last year.

NAME _____
COMPANY _____
PHONE _____
FAX _____

For more information please contact
LISA ROWE (904) 396-3502
Return by FAX to Jacksonville Business Journal
FAX (904) 396-5706



National Engineers Week February 22-28, 1998

W.W. Allen
Chairman & CEO
Phillips Petroleum Company
1998 Honorary Chair
National Engineers Week
Robert B. Moiseed, FCSI,
CCS, President
Construction Specifications Institute
1998 Chair
National Engineers Week
**National Engineers Week
Committee**
Construction Specifications
Institute, Chair
American Association of
Engineering Societies
American Ceramic
Society, Inc.
American Consulting
Engineers Council
American Institute of
Chemical Engineers
American Society of
Civil Engineers
American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
American Society of
Mechanical Engineers
Institute of Industrial Engineers
National Society of Black Engineers
National Society of Professional
Engineers, Secretariat
Society of Automotive
Engineers, Inc.
Society of Hispanic
Professional Engineers
Society of Manufacturing Engineers
Society of Petroleum Engineers/
U.S. Council
Society of Women Engineers
The Institute of Electrical
and Electronics Engineers—
U.S. Activities

With support from

National Academy of Engineering
National Institute of
Standards and Technology
National Science Foundation
U.S. Air Force —
Office of the Civil Engineer

1998 Corporate Affiliates

Phillips Petroleum Company, Chair
Bechtel Foundation/S.D. Bechtel, Jr.
Foundation
The Boeing Company
Chevron Corporation
Chrysler Corporation Fund
Eastman Chemical Company
Eastman Kodak Company
General Electric Company
Honeywell Foundation
IBM International Foundation
Lockheed Martin
Motorola
Rockwell
Texaco
3M

1998 ENGINEERS WEEK GOLF TOURNAMENT

WHEN: MONDAY - FEBRUARY 23, 1998

WHERE: DEERCREEK COUNTRY CLUB (soft spikes only)

FORMAT: 2-MAN CAPTAIN'S CHOICE
12:15 PM - SHOTGUN START

LUNCH: BOX LUNCH ON GOLF CART

PRIZES: TOP FINISHERS & ON-COURSE CONTESTS

WHY: TO SUPPORT ENGINEERS WEEK COLLEGE SCHOLARSHIPS THAT
ARE PRESENTED AT THE *ENGINEERS WEEK KICK-OFF LUNCHEON*

LEVEL OF SPONSORSHIP (choose one)

___ GOLD SPONSOR (\$395)	4 Players with Lunch/Drinks and Range Balls On-Course Recognition
___ SILVER SPONSOR (\$275)	2 Players with Lunch/Drinks and Range Balls On-Course Recognition
___ BRONZE SPONSOR (\$95)	1 Player with Lunch/Drinks and Range Balls
___ HOLE SPONSOR (\$100)	On-Course Recognition Only

PLAYER INFORMATION

A1. NAME _____	TEAM A	HANDICAP _____
A2. NAME _____	TEAM A	HANDICAP _____
B1. NAME _____	TEAM B	HANDICAP _____
B2. NAME _____	TEAM B	HANDICAP _____

SPONSOR AUTHORIZATION

Company Name

Sponsor's Authorized Signature

Checks should be made payable to the **Florida Engineering Society** and mailed
with this registration form prior to February 13, 1998 to:

Ken Loeftgren
Law Engineering
3901 Carmichael Avenue
Jacksonville, FL 32207

Phone (904) 396-5173
FAX (904) 399-3176

MEETING NOTICE EXECUTIVE COMMITTEE

"Change of Day"

The next Executive Committee meeting will be **Tuesday, February 3, 1998** at 4:30 P.M. at the offices of Law Engineering and Environmental Services, Inc. which is located at 3901 Carmichael Avenue, Jacksonville, FL 32207. For further information, call R. Bruce Taylor, President at 904-731-7040. You are welcome to attend.

SOLICITATION OF CANDIDATES FOR ENGINEERS WEEK

Awards are scheduled to be given at the Engineers Week Banquet for:

Young Engineer of the Year - 1998

Engineer of the Year - 1998

Technician of the Year - 1998

One nomination from each eligible society will be accepted. Candidates must prepare a Statement of Qualification. In addition, a letter of recommendation from the participating society must accompany each entry. The deadline for entries is Noon, Friday, February 6, 1998. Please help recognize outstanding engineers and technicians by sending your candidate's submittal package to: Suzanne LeViseur, P. E., Awards Chairman, % Blue Heron Consulting, Inc., 362 Osceola Ave., Jacksonville Beach, FL 32250-4056. Phone: 904-246-0081; FAX: 904-246-6288; e-mail: blue-heron@pipeline.com.

**PLEASE SEE SEPARATE PAGE ENTITLED
"CRITERIA FOR STATEMENT OF
QUALIFICATIONS" --**

!!+Please feel free to copy any of the forms on the other pages if needed for the use of others.++!!

ENGINEERS WEEK

Fri, Feb 20	Kick off Lunch
Sat, Feb 21	Mathcounts Competition
Mon, Feb 23	Golf Tournament
Wed, Feb 25	ITE/ASHE Lunch Seminar
Thur, Feb 26	SAME Lunch Seminar
Thur, Feb 26	ACI Dinner Seminar
Fri, Feb 27	IEEE Lunch Seminar
Sat, Feb 28	Banquet - The Hilltop Club Orange Park

TENTATIVE SCHEDULE - Check your February newsletter, which you should receive by the end of the first week in February, for more specific information and please make reservations early.

MATHCOUNTS ALERT

CHECK YOUR FEBRUARY NEWSLETTER FOR THE MATHCOUNTS STATUS. 26 SCHOOLS ARE CURRENTLY REGISTERED. VOLUNTEERS ARE NEEDED FOR SCORING, PROCTORING AND GENERAL SETUP. IF YOU ARE INTERESTED CALL ANDY CUMMINGS AT 904-249-7995 OR TERRY HULL AT 904-731-7040. OUR CHAPTER TAKES A VERY ACTIVE ROLE IN PROMOTING, SUPPORTING AND PARTICIPATING IN THE SUCCESS OF THIS NATIONALLY ACCLAIMED COMPETITION AND ARE PROUD OF THE RECOGNITION WE CAN GIVE TO STUDENTS.

THE "ST. JOHN'S RIVER CLEANUP DAY"

FESTIVITIES will conclude with a party/picnic to help celebrate the efforts made to keep the St. John's River beautiful and something to be proud of. We hope you can provide at least some volunteer hours for this worthwhile project. For further information or to sign up for as many hours as you can, please call Vince Seibold, Chair of the Conservation and Environmental Quality Committee, at 904-448-4330. Our chapter is taking part in cooperation with other organizations in combination with other conservation activities. This is also an opportunity to meet some of your engineering community peers, while having a good time helping conserve the St. John's River.

CRITERIA FOR STATEMENT OF QUALIFICATIONS
(Young Engineer of the Year, Engineer of the Year & Technician of the Year)
Awards to be presented at the Engineer's Week Banquet, February 28, 1998

Please follow the basic outline listed below in preparing your qualification submittal. Include a letter of recommendation from an officer of the society submitting the candidate for the award. A resume, which includes the information requested below, will be acceptable. The Young Engineer of the Year must be 35 or younger on January 1, 1998 and have a P.E. or E.I. The Engineer of the Year must have a P.E. and be at least 36 years of age on January 1, 1998. The Technician of the year must have worked in an engineering related field for a minimum of ten years.

Part 1 – Basic Data

- A. General Information
Name, address, current employer, business and home phone
- B. Personal Information
Birth date and place, family status, spouse's name, children's name(s) and age(s), hobbies, and other personal information.
- C. Registrations
Type and states

Part 2 – Educational

Basic and advanced degrees, honorary degrees, and scholastic awards.
(Give dates and schools)

Part 3 – Employment Data

- A. Current Employer – Name, address, title, date, number of employees supervised, and brief description of duties and responsibilities.
- B. Previous employment – list each. Same as "A" above

Part 4 – Professional/Technical Service

- A. Local chapter
 - 1. Current office held (if applicable)
 - 2. Offices held
 - 3. Committee assignments
 - 4. Awards
- B. State level (Same as "A" above)
- C. National level (Same as "A" above)

Part 5 – Public Service Data

Military service, political offices, regulatory boards, advisory boards, civic, community, and church activities.

Part 6 – Letter of recommendation from the participating Society.

Mail the above submittal package to:

Suzanne LeViseur, P.E.
Awards Chairman
c/o Blue Heron Consulting, Inc.
362 Osceola Ave
Jacksonville Beach, FL 32250-4056
Phone: (904) 246-0081

GRAB A



AND



AND

JOIN US

AS



florida
engineering
society

northeast florida chapter

AND

HabitatJax™

TEAM UP TO HELP BUILD A HOME

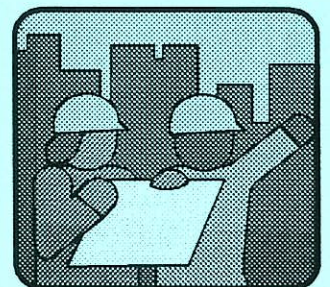
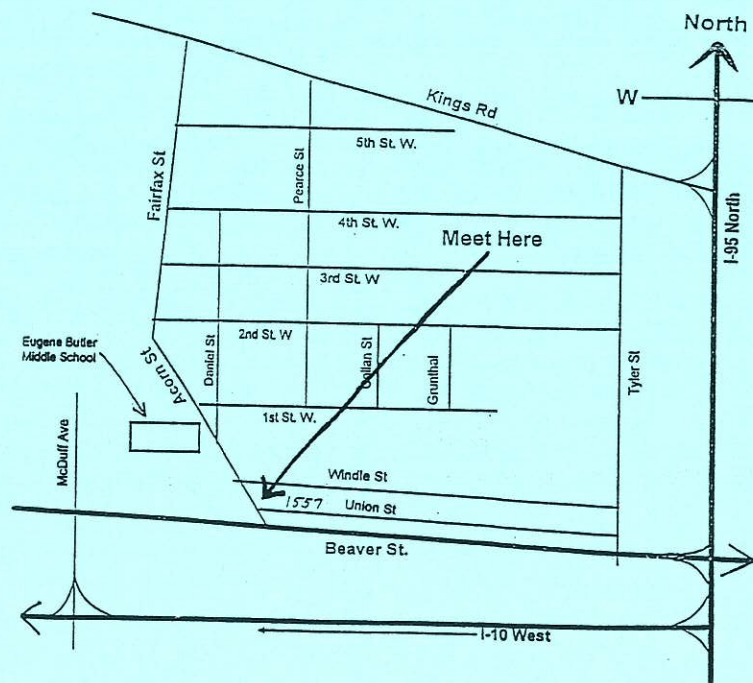
On January 31, the Northeast Chapter of the Florida Engineering Society will come together to help a deserving Jacksonville family build a home of their own. All you need to join us is a willing spirit and a desire to help. We look forward to seeing you there.

WHEN: January 31, 1998

7:30 a.m. to 11:30 a.m. (Lunch together optional)

WHERE: Union and Acorn Street (a block north of Beaver Street)

FOR INFO or RSVP: Call Tim Wattleworth 880-0960



ENVISION

NEWSLETTER OF THE NORTHEAST FLORIDA CHAPTER OF THE FLORIDA ENGINEERING SOCIETY
February 1998

ENGINEERS WEEK

PLEASE MAKE PLANS AND RESERVATIONS EARLY

Friday February 20 - 11:30 AM

Kick-off Luncheon - 12:00 noon

American Society of Civil Engineers

Place: River City Brewing Company Restaurant
835 Museum Circle

Program: 12:45 PM to 1:15 PM

Mayors Proclamation

Speaker: Dr. Warren Viessman, Jr.

Associate Dean of Academic Programs -

University of Florida College of Engineering

Cost: \$16.00 /person - payable to ASCE

Reservations: by noon, Tuesday, Feb. 17

Contact: Phyllis Hagan 904-396-5173

Saturday Feb. 21 - 9:00 AM to 3:00 PM

MATHCOUNTS Competition

Florida Engineering Society

Episcopal High School - 4455 Atlantic Blvd.

Test of 7th and 8th grade Math aptitude

Lunch provided

Volunteers needed. Call Terry Hull 904-731-7040

Monday February 23 - 12:15 PM

Golf Tournament - Shotgun start

Place: Deercreek Country Club

Format: 2-man Captain's Choice

Lunch: Box Lunch on Golf Cart

Prizes: Top Finishes & On-Course Contests

Cost: Gold \$395 4 Players & Course Recognition

Silver \$275 2 Players & Course Recognition

Bronze \$95 1 Player

Hole Sponsor \$100 On-Course recognition

Reservations: by noon Friday, February 13, 1998

Contact: Ken Loeftgren 904-396-5173

FAX 904-399-3176

(SEE FORMS ON FOLLOWING PAGES)

Tuesday February 24

Luncheon - Noon - 1:15 PM

American Society of Mechanical Engineers

Place: River City Brewing Company
835 Museum Circle

Speaker: Walt Bussell

Director Jacksonville Electric Authority

Topic: Repowering Northside Power Plant

Cost: \$16.00. Reserve by noon Feb. 18.

Contact: Marv Sindel 904-757-2620

or Charlie Booth 904-350-7044

Tuesday February 24

Refresher Course for Professional Registration

RE: Mechanical & Civil Engineers Exam

Time: 5:00 PM to 6:30 PM

Place: Post, Buckley, Schuh & Jernigan

7785 Baymeadows Way, Suite 104

Course starts March 3, 1998

at Englewood High School

Contact: David Peigler 904-367-8683

Wednesday February 25

Luncheon - American Society of Heating,

Refrigerating and Air Conditioning Engineers

Time: 11:15 AM - 1:00 PM

Place: River City Brewing Company Restaurant
835 Museum Circle

Speaker: Michael Ashworth

Community Program Administrator

State Energy Conservation Program,

Florida Energy Office

Topic: Performance Contracting

Cost: \$16.00/person payable to ASHRAE

Reservations: by noon, February 23

Contact: Bryan Finch 904-464-0195 ext. 1217

Wednesday February 25 - continued

Luncheon - ITE/ASHE/SMPS

Luncheon: Noon - 2:00 PM
Place: Holiday Inn - 9150 Baymeadows Road
Speakers: Tom Berry - FDOT & Bob Hill - RS&H
Topic: Transportation in NE Florida
& Traffic Aspects of Cecil Field Redevelopment
Cost: \$13.00/person, payable to ASHE
Contact: Leila Swallow 904-279-2151 by noon,
Mon., Feb. 16 or a message at 904-279-2163

Thursday February 26

Luncheon - S.A.M.E.

Time: 11:30 AM - 1:00 PM
Place: Holiday Inn - 9150 Baymeadows Road
Speaker: LTC Fowler
Topic: Dam Construction in Puerto Rico
Cost: \$12.00/person
Contact: Ms. Trish Yancey 904-232-1195

Dinner - American Concrete Institute

Time: 5:30 PM
Dinner and program: 6:30 - 9:00 PM
Location: Baymeadows Golf & Country Club
Topic: Fuller Warren Update
Speaker: Florida Department of Transportation
Cost: \$20.00/person payable to ACI
Reservations: by Monday noon, February 24
Contact: Stephanie Stephenson 904-396-5173

Friday February 27

Tour - Institute of Electrical and Electronic Engineers

Time: 9:30 AM
Lunch: Noon to 1:00 PM
Place: Naval Air Station
Speaker: ONSI Corporation
Topic: Fuel Cell Installation at Naval Hospital
Cost: \$9.00/person payable to IEEE
Contact: Jackie or Pat 904-398-8636 by noon,
Friday February 20

ENGINEERS WEEK WEBSITE

<http://www.eweeek.org>

CHECK IT OUT

Saturday February 28

ENGINEERS WEEK BANQUET

Registration/Social Hour: 6:30 PM - 7:30 PM

Dinner: 7:30 PM - 8:30 PM
Program: 8:30 PM - 9:30 PM
Location: Hilltop Country Club - 2030 Wells Road
Orange Park
Cost: \$28.00/person or \$200.00 for table of eight
Payable to Florida Engineering Society
Reservations:
Contact: Sheryl Freeman
Phone/FAX 904-280-1577

(See separate sheet for registration form in this newsletter)

NOTICE: For further information on specific events, please contact an officer of the respective society.

OTHER COMING EVENTS

JOINT LUNCHEONS: FES/ASCE/SAME

<u>DATE</u>	<u>PROGRAM</u>
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March 17	TBA
April 21	Mr. Ken Morefield, P.E., FDOT District Secretary - District Two

FES/ASCE/SAME luncheon meetings are held at the Ramada Inn Conference Center in Mandarin. Cost to society members is \$12.00. Registration begins at 11:30 AM with lunch at 12:00 noon. For reservations or more detailed information on future meetings, call Brenda Middlebrook at 904-880-0960.

OTHER FES FUNCTIONS

March 21, 1998	St. John's River Cleanup Day
May (TBD) 1998	Family Picnic - Jacks'ville Suns
June 16, 1998	Officer Installation Dinner

Details about cost, reservations etc. are shown with an article or will be in future issues. (list revised from last month)

FES EXECUTIVE COMMITTEE MEETING(S)

As indicated in the Engineers Week Extra, the February Executive Committee meeting was changed to Tuesday, February 3, 1998 at 4:30 P. M. It will be held at the offices of Law Engineering and Environmental Services, Inc. which is located at 3901 Carmichael Avenue, Jacksonville, FL 32207. (Continued)

FES Executive Comm. meetings cont.:

The current schedule for the March Executive Committee meeting is Wednesday, March 4, 1998 at the same time and location as above. For further information, call president R. Bruce Taylor at 904-731-7040. All members are welcome to attend.

REPORT ON

JANUARY 13, 1998 LUNCHEON

R. Bruce Taylor, P.E., PH.D., President of the FES chapter, opened the meeting with the pledge to the flag followed by the invocation led by John Ellis. Guests were recognized and representatives of the participating societies made pertinent business and activity announcements. FES chapter president elect, Mike Lithman, introduced the speaker, Dr. Steinberg, MD, a Mechanical Engineer and also a physician at Jacksonville Orthopaedic Institute (the Jacksonville Jaguars' team doctors). Dr. Steinberg received his Mechanical Engineering degree from the University of Pennsylvania and his medical degree from Harvard Medical School. His topic was "Diagnosis of Compartment Syndrome". Referenced documentation was "Evaluation of Limb Compartments With Suspected Increased Interstitial Pressure". He explained and demonstrated a "--Noninvasive Method for Determining Quantitative Hardness".

The problem addressed excessive internal pressure (swelling) that can build up around a wound (the compartment), as might occur from a severe trauma (broken limb). Determining a dangerous level of swelling (pressure) is extremely important since the blood supply can be cut off, killing muscle tissue within 3 to 6 hours, - a non-reversible condition. Present methods of determining a dangerous level of pressure are invasive or require the skills of a specialist, such as an Orthopedic surgeon. Since the required invasive equipment is normally not on hand, nor knowledgeable specialists usually on duty in emergency rooms, the severity of the swelling may not be immediately known. Without proper attention, permanent damage can result if not treated promptly. The device, which is still experimental, can indicate conditions (by modulus of elasticity) warranting immediate attention. This can be done by gently pressing the device around an affected area. Routine emergency room medical professionals will be able to use the equipment to make an evaluation, even if the patient is unconscious. When finally approved and on the market, the device is expected to cost about \$5,000. The

presentation was followed by a number of questions and answers as well as personal demonstrations for those interested. The topic offered an excellent example of the engineering and medical communities pooling their efforts to benefit mankind.

MATHCOUNTS

The competition is almost here! 7th and 8th grade students from over 26 schools are preparing to do their best. The FES Mathcounts committee members, led by Andy Cummings and Terry Hull, are also preparing. We need volunteers! The event rewards both student participants and the FES volunteers. Our competition will be held on Saturday, February 21, 1998 between 9:00 AM and 3:00 P.M. at Episcopal High School. Call Andy at 904-249-7995 or Terry at 904-731-7040 to volunteer.

HONORS, ANNOUNCEMENTS AND NOTICES

HONORS - Fred Wilson and Associates, Inc. has been honored with the 1997 "Small Business Contractor of the Year" Award by NASA's Kennedy Space Center. Congratulations to these fine folks who are a vital part of our Jacksonville chapter.

ANNOUNCING - Greenhorne and O'Mara, Inc. has opened a new office in Jacksonville with Dan Pavela, P. E., as Area Manager. Welcome Greenhorn and O'Mara and welcome Dan Pavela.

NOTICE - 1998 FDOT/FICE Consultant's Conference, February 24, 1998 - Turnbull Center, Tallahassee. Chairing the program will be Ernie Cox, P. E., Chairman of the FICE Transportation Committee. Included on the program will be presentations by Secretary of Transportation, Tom Barry, P. E.; Rep. Jim Fuller, Chairman of the Florida House of Representatives Transportation Committee; Frank Carlile, P. E., Assistant Secretary for Policy, FDOT; Ben Watts, P. E., Former Secretary, FDOT; Christine W. Speer, Assistant Secretary for Finance and Administration, FDOT; Nelson Hill, Director of Information Systems, FDOT; Bill Deyo, P. E., and Dan Foss, Panelists; and Steve McGucken, P. E., FDOT/FICE Liaison Committee. Look for additional information on this annual event in other publications or call the FES 1-800 number in Tallahassee.



National Engineers Week February 22-28, 1998

W.W. Allen
Chairman & CEO
Phillips Petroleum Company
1998 Honorary Chair
National Engineers Week
Robert B. Molseed, FCSI,
CCS, President
Construction Specifications Institute
1998 Chair
National Engineers Week
**National Engineers Week
Committee**

Construction Specifications
Institute, Chair
American Association of
Engineering Societies
American Ceramic
Society, Inc.
American Consulting
Engineers Council
American Institute of
Chemical Engineers
American Society of
Civil Engineers
American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
American Society of
Mechanical Engineers
Institute of Industrial Engineers
National Society of Black Engineers
National Society of Professional
Engineers, Secretariat
Society of Automotive
Engineers, Inc.
Society of Hispanic
Professional Engineers
Society of Manufacturing Engineers
Society of Petroleum Engineers/
U.S. Council
Society of Women Engineers
The Institute of Electrical
and Electronics Engineers—
U.S. Activities

With support from

National Academy of Engineering
National Institute of
Standards and Technology
National Science Foundation
U.S. Air Force —
Office of the Civil Engineer

1998 Corporate Affiliates

Phillips Petroleum Company, Chair
Bechtel Foundation/S.D. Bechtel, Jr.
Foundation
The Boeing Company
Chevron Corporation
Chrysler Corporation Fund
Eastman Chemical Company
Eastman Kodak Company
General Electric Company
Honeywell Foundation
IBM International Foundation
Lockheed Martin
Motorola
Rockwell
Texaco
3M

1998 ENGINEERS WEEK GOLF TOURNAMENT

WHEN: MONDAY - FEBRUARY 23, 1998

WHERE: DEERCREEK COUNTRY CLUB (soft spikes only)

FORMAT: 2-MAN CAPTAIN'S CHOICE
12:15 PM - SHOTGUN START

LUNCH: BOX LUNCH ON GOLF CART

PRIZES: TOP FINISHERS & ON-COURSE CONTESTS

WHY: TO SUPPORT ENGINEERS WEEK COLLEGE SCHOLARSHIPS THAT
ARE PRESENTED AT THE *ENGINEERS WEEK KICK-OFF LUNCHEON*

LEVEL OF SPONSORSHIP (choose one)

<input type="checkbox"/> GOLD SPONSOR (\$395)	4 Players with Lunch/Drinks and Range Balls On-Course Recognition
<input type="checkbox"/> SILVER SPONSOR (\$275)	2 Players with Lunch/Drinks and Range Balls On-Course Recognition
<input type="checkbox"/> BRONZE SPONSOR (\$95)	1 Player with Lunch/Drinks and Range Balls
<input type="checkbox"/> HOLE SPONSOR (\$100)	On-Course Recognition Only

PLAYER INFORMATION

A1. NAME _____	TEAM A	HANDICAP _____
A2. NAME _____	TEAM A	HANDICAP _____
B1. NAME _____	TEAM B	HANDICAP _____
B2. NAME _____	TEAM B	HANDICAP _____

SPONSOR AUTHORIZATION

Company Name

Sponsor's Authorized Signature

Checks should be made payable to the **Florida Engineering Society** and mailed
with this registration form prior to February 13, 1998 to:

Ken Loeffgren
Law Engineering
3901 Carmichael Avenue
Jacksonville, FL 32207

Phone (904) 396-5173
FAX (904) 399-3176

ENGINEERING REFRESHER COURSE

PART II - SPRING 1998

Part I of the Engineering Refresher Course, the Engineer-in-Training Refresher, is offered in the fall. It covers fundamental theory and is designed to aid with Part I of the State Board Exam. Part II, the Professional Engineering Refresher, covers Principles and Practices of Engineering, and is designed to aid with Part II of the State Board Exam.

Part II of the 1998 Annual Professional Engineers Refresher Course is scheduled to began in March. Separate Civil and Mechanical refresher courses are being offered. The spring State Board Examinations are scheduled for April 24 and 25, 1998. You must have already completed your application process to sit for the April exam. The fall exams are scheduled for October 30 and 31, 1998. For application forms and additional information on requirements for professional registration, contact the Florida Department of Business and Professional Regulation, Board of Professional Engineers at (904) 488-9912.

An Electrical Engineering Refresher Course, sponsored by IEEE, may also be offered. Contact Fred Wilson and Associates, Inc. at (904) 398-8636 for additional information,

Classes for the Civil Engineering and Mechanical Engineering Refresher Courses will be held on Tuesday and Thursday nights from 6:30 P.M. to 9:30 P.M. beginning March 31, 1988. Other nights and times may be utilized where more classes or more class hours per week are required. Classes will be held at Englewood High School, 4412 Barnes Road, Jacksonville, Florida (north and east of I-95 and University Blvd).

Registration for the Civil and Mechanical Engineering Refreshers will be held from 5:00 P.M. to 6:30 P.M. on Tuesday, February 24, 1998 at the offices of Post, Buckley, Schuh & Jernigan, Inc., 7785 Baymeadows Way, Suite 104, Jacksonville, Florida, 32256. Please complete the application form on the reverse side of this page and bring it to the registration session.

The tuition fee for either the Civil or Mechanical Engineering Refresher Course is \$200.00. Reference Manuals and Solutions Manuals for the Civil P. E. and Mechanical P. E. Refreshers will be available for purchase at the time of registration. All checks are to be made payable to the **Florida Engineering Society**. Purchase orders from local employers will be accepted. Anyone registering after February 24, 1998 may be charged an additional \$15.00 late fee.

Contact David Peigler at (904) 367-8683 if you would like to order books, make alternate arrangements for registration or if you have questions concerning E.I.T. or P.E. Refresher Courses.

**APPLICATION FORM
PROFESSIONAL ENGINEERS
REFRESHER COURSE - PART II
SPRING 1998**

1. NAME: _____ SOC. SEC. NO. _____

2. HOME ADDRESS: _____
_____ ZIP _____

3. HOME PHONE NO.: _____

4. COMPANY NAME: _____

5. WORK ADDRESS: _____
_____ ZIP _____

6. WORK PHONE NO.: _____ FAX NO. _____

7. FEES (PLEASE CHECK)

CIVIL ENGINEER REFRESHER	\$200.00	_____
MECHANICAL ENGINEER REFRESHER	200.00	_____
LATE FEE (IF APPLICABLE)	15.00	_____

SUBTOTAL FEES \$ _____

CIVIL REFERENCE MANUAL	\$54.95	_____
CIVIL SOLUTIONS MANUAL	21.95	_____
MECHANICAL REFERENCE MANUAL	74.95	_____
MECHANICAL SOLUTIONS MANUAL	24.95	_____

SUBTOTAL BOOKS \$ _____

TOTAL DUE \$ _____

8. DO YOU WANT A CERTIFICATE OF COMPLETION? YES _____ NO _____

REGISTERED BY _____ DATE _____

=====

FOR TREASURER:

Amount paid by check \$ _____

Amount paid by cash \$ _____

Amount paid by purchase order \$ _____

TOTAL AMOUNT PAID \$ _____

ENGINEERS WEEK BANQUET REGISTRATION

DATE: Saturday, February 28, 1998

LOCATION: The Hilltop Club, 2030 Wells Road - Orange Park

SCHEDULE: Cocktails & Registration 6:30 PM - 7:30 PM
 Dinner 7:30 PM - 8:30 PM
 Program 8:30 PM - 9:30 PM
COST: \$28 per person or \$200 per table of eight

Company Name: _____

Attendees are listed below:

1 _____	9 _____
2 _____	10 _____
3 _____	11 _____
4 _____	12 _____
5 _____	13 _____
6 _____	14 _____
7 _____	15 _____
8 _____	16 _____

**Make checks payable to the FLORIDA ENGINEERING SOCIETY.
Payments can be made at the banquet or mailed to:**

**Cheryl Freeman
Engineers Week Banquet
226-5 Solana Road, Ste. 114
Ponte Vedra Beach, FL 32082**

Phone: 904-280-1577 OR

Please FAX this registration form to Cheryl at 904-280-1577.

THANK YOU FOR YOUR SUPPORT!

ETHICS

Following are recommended core values developed based on research completed in 1996 for the development of an applied ethics in professional practice program to assist in evolving solutions to ethical dilemmas encountered in professional practice.

1. INTEGRITY - exercising good judgment in professional practice and adherence to ethical principles
2. HONESTY - including: truthfulness, fairness and sincerity
3. FIDELITY - including: faithfulness to clients; allegiance to the public trust; loyalty to employer, firm or agency; loyalty to the profession; for the theist, faithfulness to God
4. CHARITY - including: kindness, caring, good will, tolerance, compassion/mercy, and adherence to the Golden Rule
5. RESPONSIBILITY - including: liability / dependability, accountability and trustworthiness
6. SELF-DISCIPLINE - including: acting with self restraint and not indulging in excessive behavior

FES ACTIVITIES UPDATE

The "St. John's River Cleanup Day" is March 21, 1998 and our chapter will take part in conjunction with other conservation activities during the St. John's River Celebration. This event provides a great opportunity for us to meet and work with engineering peers and others from our community while helping conserve the St. John's River. As many volunteers as possible are needed. You are encouraged to call Vince Seibold at 904-448-4330 for more information and to sign up. If you can't be with us the whole time, even a few hours would be appreciated.

MILESTONE REMINDER

Chapter members are reminded to supply recommendations for the Northeast Chapter "James F. Shiver, Jr., P. E. Award for Outstanding Service to the Engineering Profession". Recommendations should be made to the Awards Committee Chairman by April 1, 1998.

FLORIDA ENGINEERING SOCIETY'S PROFESSIONAL DEVELOPMENT PROGRAM

IMPORTANT!! - Industry experts estimate continuing education for Professional Engineers will be mandatory within the next several years. To obtain a Certificate of Continuing Professional Development, applicants must complete a minimum of 30 Professional Development Hours (PDH) within two calendar years.

More details and further information can be obtained from Priscilla Trescott, Director of Professional Development, by calling 850-224-7121 or FAX'ing 850-222-4349. The term of a certificate is two calendar years (January through December). The application fee is \$10.00 for FES members and \$20.00 for non-FES members.

SPONSORS FOR STUDENTS

The chapter welcomes those willing to help university students attend luncheons by underwriting the cost for them to attend. Please call the chapter treasurer, John Ellis, II at 904-880-0960 or FAX 904-880-0970 if you would like to help.

1997-1998 FES NORTHEAST CHAPTER CHAPTER OFFICERS

President	R. Bruce Taylor	W 904-731-7040 F 904-731-9847
President-Elect	Mike Lithman	W 904-880-0960 F 904-880-0970
Secretary	Suzanne LeViseur	H 904-246-0081 F 904-246-6288
Treasurer	John Ellis, II	W 904-880-0960 F 904-880-0970
State Director	Scott Johnson	W 904-721-1888 F 940-721-8464

FES TALLAHASSEE OFFICE 800-277-0086
850-224-7121

Chapter newsletter
Dan Holmes H 904-287-9750
F (Call)