

## PRESIDENT'S MESSAGE

Dear Treasure Coast Engineers and Colleagues:

Writing my first message, I want to express my deep appreciation for your trust and support, which has provided me with the required strength and confidence to take on this new role as president of the local Treasure Coast FES Chapter. To stay and perform in this role, I am going to ask each of you for even more of your time and support out of your already busy schedules.

In the 97<sup>th</sup> annual FES conference held over this past weekend, I, on behalf of Adam Schildmeier, received the third place ACE award for our 2012 project-lead-the-way program! I also participated in the "K-12 Teacher of the Year in Engineering Award" ceremony that was presented to Mr. Mark Heuter with Lincoln Park Academy for his 13 years of continuous dedication to the project-lead-the-way program.

Congratulations and thanks to all PLTW volunteers!

So, how can we carry on this great tradition and continue to grow and contribute in this fast changing world? Looking forward, I can see so many paths and turns we can take down the road. Can we take them all? With the limited time and energy we have, the answer is No. So how can we use our limited time and resources to be the most productive? Here are my thoughts and plans I shared at the July-18 installation meeting, and I would like to discuss these further in an effort to welcome any comments and suggestions.

Strengthen and nurture the core. I don't need to say too much about how brutal the economy has been for the past five years. We all felt pain, and we all felt the drain. However, we did not use that as an excuse to stop giving time and money supporting our local FES chapter and all the events. Now is time to replenish ourselves, in order to be able to continue to give, with (1) information – I will invite our local government agencies to share about the local projects and/or new changes; and (2) knowledge – more and more local projects are receiving funding from the state and federal governments which have unique sets of rules and procedures. I will invite experts to equip us with the "whats" and "hows".

...Continued on Page 2

## Calendar of Events for Upcoming Months



August 22nd	Social Happy Hour
September	FES Treasure Coast Annual Golf Tournament
Feb 4 –5, 2014	PE Legislative Days Four Points by Sheraton Downtown Tallahassee

### Important Notification Regarding Audit by FBPE

On July 1st, FBPE sent out a letter to a number of Professional Engineers advising that they have been selected to participate in a verification process for the current renewal period.

**Important:** Although the current letter indicates that all certificates must be signed, FES has verified that all Certificates of Completion issued by the Florida Engineering Society will be considered "signed" and a reissue of the certificate is not necessary. FES has been informed this request will not be in subsequent letters.

Requested materials for an audit may be submitted electronically by sending to [nwilkins@fbpe.org](mailto:nwilkins@fbpe.org) or [blynch@fbpe.org](mailto:blynch@fbpe.org). For more information about the verification process, please contact Brian C. Lynch, Manager of Application and Licensure, FBPE, at 850-521-0500 ext. 121 or [blynch@fbpe.org](mailto:blynch@fbpe.org).

## - INSIDE THIS ISSUE -

2	August Meeting Details, FELI CALL
3	POTM and JOTM
4	Member News & PLT Award
5	PDHs, Contact Info & POTM Answer

## August Meeting at a Glance...

- Who:** Your FES Treasure Coast Colleagues  
**What:** Happy Hour Social  
**Where:** TBD—Once location is selected an email will be sent to all members.  
**When:** Thursday, August 22nd (subject to change) 6PM til ?  
**Cost:** **PAY FOR WHAT YOU DRINK**

**RSVP: Not Required**

### President's Message (cont.)

Grow bigger while growing older. Our local chapter has experienced declines in our memberships as well as in our member's participations largely due to the tough economy. What can we do to bring these numbers back up? This requires that all our existing members get our message out to the industry. Share with our non-FES members about the benefits to be a member and the ways they can get involved as a member. If this does not work, we will ask bosses to grab their young engineers by the scruff of their necks and to bring them out to our events and find out what will happen...

These are some of my plans for the upcoming year, which only work when each of you takes an active role. Remember our society is here because of you and to benefit our profession. I invite all to join me for the exciting journey ahead and stay tuned for the upcoming events.

### Now Accepting Applications for FELI Class of 2014

**Application Deadline: September 2, 2013**

Full Application: [FELI Application](#)

Intent to Apply: [FELI Intent](#)

Intend to apply but haven't completed the full application yet? Submit the Intent to Apply form and let us know.

For more information, [click here](#) or call Dee Kring, FES/FICE Director of Continuing Education at 850-224-7121 or [dkring@fleng.org](mailto:dkring@fleng.org).

## COMMITTEE CHAIRS

FES is a member driven organization. Our volunteers steer the Society in the best direction. Ideas and programs are created at the committee level and impact the organization at each level. Becoming part of a FES committee is very simple and rewarding.

We have several new volunteers, however, we still need a few more. For further details on a specific committee, or if you are interested in volunteering for any of these committees, please contact Dan Zrallack, PE at [vicepresident@tcfes.org](mailto:vicepresident@tcfes.org).

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

### COMMITTEE CHAIRPERSONS

- Annual Meeting Steering – **VACANT**
- Awards – Craig Dunkelberger, P.E.
- Charter & Bylaws – Adam Schildmeier, P.E.
- Communications Advisory – Kelly Cranford, PE
- Conservation & Env. Quality – Richard Creech, P.E.
- Constructed Environment – Richard Creech, P.E.
- Energy – Jo-Ann Clynych
- Ethical Practices – Will Cornelius, P.E. & Allen Bottorff, P.E.
- Golf Tournament – Pat Ferland, P.E.
- K-12 Education – Adam Schildmeier, P.E.
- Leadership Advisory – Steve Gaydosh Jr., P.E.
- MathCOUNTS – Kathleen Edgemon, P.E.
- MathCOUNTS – Chad Rucks, P.E.
- Membership Development – Pat Ferland, P.E.
- Philanthropy – Will Cornelius, P.E.
- Prof. Concerns – Steve Gaydosh Jr., P.E.
- Prof. Development – Marcos Montes De Oca, P.E.
- Project LTW Co-Chair— Adam Schildmeier, P.E.
- Scholarship Co-Chair – Paul Bangs, P.E.
- Scholarship Co-Chair - Sue Zheng, PE, PhD
- Student Prof. Development – **VACANT**
- Webmaster - Adam Schildmeier, P.E.

### CHAPTER LIAISON REPRESENTATIVES

- Engineers in Government - Kelly Cranford, P.E.
- Engineers in Construction - Paul Bangs, P.E.
- Engineers in Education - **VACANT**
- Engineers in Industry - Marcos Montes De Oca, P.E.
- Engineers Retired - **VACANT**

## **MATHCOUNTS PROBLEM OF THE MONTH:**

It's a staple of American school lunches: peanut butter sandwiches (usually with jelly, too). The average American child will eat 1500 peanut butter sandwiches by the time she graduates from high school! (On average, that's one sandwich every four days.) It takes 850 peanuts to make an 18 oz jar of peanut butter, and an average sandwich has two ounces of peanut butter on it.

How many peanuts will be needed to make all of the sandwiches a child will eat by graduation?  
**Can't figure it out?** Find the Answer on Page 5!

## **Engineering Joke of the Month #1**

### **Project Managers**

Three men: a project manager, a software engineer, and a hardware engineer are helping out on a project. About midweek they decide to walk up and down the beach during their lunch hour. Halfway up the beach, they stumbled upon a lamp. As they rub the lamp a genie appears and says "Normally I would grant you three wishes, but since there are three of you, I will grant you each one wish."

The hardware engineer went first. "I would like to spend the rest of my life living in a huge house in St. Thomas with no money worries." The genie granted him his wish and sent him on off to St. Thomas.

The software engineer went next. "I would like to spend the rest of my life living on a huge yacht cruising the Mediterranean with no money worries." The genie granted him his wish and sent him off to the Mediterranean.

Last, but not least, it was the project manager's turn. "And what would your wish be?" asked the genie. "I want them both back after lunch" replied the project manager.

## **Engineering Joke of the Month #2**

### **American Ingenuity**

During the heat of the space race in the 1960's, NASA decided it needed a ball point pen to write in the zero gravity confines of its space capsules.

After considerable research and development, the Astronaut Pen was developed at a cost of \$1 million. The pen worked and also enjoyed some modest success as a novelty item back here on earth.

The Soviet Union, faced with the same problem, used a pencil.

## Project Lead-the-Way Awards



"K-12 Teacher of the Year in Engineering"  
Lincoln Park Academy's Mr. Mark Heuter



ACE Award for Project-Lead-The-Way

## Membership News

### **Just for YOU**

FES is always working to increase benefits offered to members, and to make sure members are aware of their benefits. Below are just three of the benefits available to FES/NSPE members, and we encourage you to visit [www.fleng.org/membership.cfm](http://www.fleng.org/membership.cfm) for more information.

As an FES/NSPE member you are eligible for a \$20,000 scholarship to pursue a Corporate MBA degree with the Florida International University. That is almost half the cost of tuition, and available to you as an FES member.

Your FES/NSPE membership entitles you to a number of discounts on a wide variety of publications, standard contract documents, and other services. Make sure to visit NSPE's Benefits pages at [www.nspe.org/MemberBenefits/benefitpartners.html](http://www.nspe.org/MemberBenefits/benefitpartners.html) for more information and a complete listing of member benefit partners.

As an FES member you can connect with over 470 FES members throughout the state in the 'Members of FES' group on LinkedIn.

Have an idea? If you think of a benefit or service that you would like to see available to FES members, please don't hesitate to contact your Member Services Department at 850-224-7121 or email Anne Wilson, Member Services Coordinator at [awilson@fleng.org](mailto:awilson@fleng.org).

**Forward the online FES Membership application or FES Brochure to a friend or colleague today:**

[www.fleng.org/membership-app.cfm](http://www.fleng.org/membership-app.cfm)

[http://www.fleng.org/images/aboutFES/FES\\_Membership\\_Brochure.pdf](http://www.fleng.org/images/aboutFES/FES_Membership_Brochure.pdf)

# Professional Development Hours (PDHs)

Date	Event	Location	PDHs	Cost
At Your Pleasure	Project Management	Online/DVD	4 PDHs	\$125 FES/FICE Members, \$225 All Others
				For more information visit <a href="http://www.fleng.org/distancelearning.cfm">http://www.fleng.org/distancelearning.cfm</a>
9/11/13-9/12/13	FICE/FDOT Mutual Gains Negotiations	FDOT Broward Operations - Ft. Lauderdale	4 PDHs	\$99 FES/FICE Members, \$199 All Others
				<a href="http://www.fleng.org/seminars.cfm?event_id=588">http://www.fleng.org/seminars.cfm?event_id=588</a>
9/18/13-9/19/13	FICE/FDOT Mutual Gains Negotiations	FDOT District 5 HQ - Deland	4 PDHs	\$99 FES/FICE Members, \$199 All Others
				<a href="http://www.fleng.org/seminars.cfm?event_id=589">http://www.fleng.org/seminars.cfm?event_id=589</a>

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



**Please visit our website!**

<http://www.tcfes.org>

**Send your comments and suggestions about our website to [secretary@tcfes.org](mailto:secretary@tcfes.org)**

## Questions or Comments?

If you have any questions/comments, or if you would like something included in the monthly publication, please contact Heath Stocton at (772) 214-9782 or [secretary@tcfes.org](mailto:secretary@tcfes.org)

### 2013 — 2014 Treasure Coast Chapter Board Members

Sue Zheng, PhD, P.E., President (772) 343-9787 [president@tcfes.org](mailto:president@tcfes.org)  
 Dan Zrallack, P.E., Vice President (772) 878-0072 [vicepresident@tcfes.org](mailto:vicepresident@tcfes.org)  
 Patrick Helms, P.E., Treasurer (561) 718-0899 [treasurer@tcfes.org](mailto:treasurer@tcfes.org)  
 Heath Stocton, P.E., Secretary (772) 214-9782 [secretary@tcfes.org](mailto:secretary@tcfes.org)  
 Larry Smith, P.E., Regional Vice President (561) 616-3911 [regionalvp@tcfes.org](mailto:regionalvp@tcfes.org)  
 Adam Schildmeier, P.E. Past-President (772) 233-1510 [pastpresident@tcfes.org](mailto:pastpresident@tcfes.org)  
 Marcos Montes De Oca, P.E., State Director (863) 634-2131 [statedirector@tcfes.org](mailto:statedirector@tcfes.org)

**TREASURE COAST CHAPTER**  
 Chartered 1987  
**FLORIDA ENGINEERING SOCIETY**  
 Affiliated with



*The total peanut butter on 1500 sandwiches is 1500 x 2 = 3000. At 18 oz each, that's equal to 3000 / 18 = 166.67 jars. Since it takes 850 peanuts to make a jar, 850 x 166.67 = 141,666 peanuts are needed to make all of those sandwiches.*

MATHCOUNTS POTM SOLUTION: