



PRESIDENT'S MESSAGE

William R (Rob) Maples, PE

Greetings to my fellow engineers and members of ASCE East Central Branch (ECB),

Welcome to the January 2010 ASCE ECB Newsletter. I hope you have all rung in a safe and happy new year.

This past month Kevin Francoforte has joined our board as the Awards chair and has already been busy getting our nominees for the E-week awards. Thanks for your efforts Kevin. We have nominated the following candidates, be sure and participate in the Eweek activities including the banquet to hear the results first hand.

1. Lifetime Achievement Award in Engineering nominee: Tim Madhanagopal, PE, BCEE, F.NSPE
2. Leadership Excellence Award nominees are: Donna Friis, PE
3. Technical Excellence Award nominee: Peter Manz, PE
4. Young Engineer of the Year nominee: Cathy Soistman, PE
5. Outstanding Project of the Year nominee: SR 50/SR 436 Interchange , PBS&J
6. Outstanding Organization (Public Sector) of the Year nominee: Orange County Public Utilities
7. Outstanding Small Organization (Private Sector) of the Year nominee: EPIC Engineering & Consulting Group
8. Outstanding Large Organization (Private Sector) of the Year nominee: HNTB Corporation

Our Technical Committees are continuing to be active and seeking your participation. Remember to make our committee activities count you need to be there. The committees are only successful as long as you get involved. We are actively seeking your involvement in our Central Florida Field Trip committee and the K-12 Outreach Program.

Please feel free to contact me or any of your board members with any ideas to further your society. I look forward to working with you in this new year.

William R (Rob) Maples, PE  
ASCE East Central Branch Florida Section President

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### ASCE SmartBrief

#### Haiti works to improve construction standards

Engineers in Haiti are learning about confined masonry to build stronger and more durable structures along with other simple building techniques to better withstand earthquakes. More durable construction is essential "because it is very, very clear that within the life of a lot of the building stock they are going to build back, it will experience a seismic shaking comparable to what we saw in the city last year," said researcher Simon Day, a tsunami and landslide expert. [National Public Radio \(text and audio\) \(1/14\)](#)



**WATER RESOURCES / EWRI CHAPTER  
TECHNICAL TRAINING**

**0.5 PDH's**

**WHAT'S IN YOUR WATER ?  
EMERGING CONTAMINANTS IN THE ENVIRONMENT**

**With:** Chad D. Drummond, P.E.  
Senior Engineer  
Geosyntec Consultants

**When:** Thursday, January 20<sup>th</sup>  
Registration: 11:45 am  
Presentation: 12:00 pm

**Where:** Sheraton Orlando Downtown  
(formerly Marriott Downtown)  
400 West Livingston Avenue

**Cost:** \$20 per person  
**Only \$10 for government employees**



*"The cost of the training will include a 30 min. training/presentation with lunch provided."*

**Description of Presentation:**

*The ubiquitous presence of pharmaceuticals and personal care products (PPCPs) and endocrine disrupting compounds (EDCs) in waters has been scientifically verified and reported by the media. Data show that these emerging contaminants are present in surface water, groundwater, and drinking water. They enter waters from both point and nonpoint sources and may enter adjoining waters by surface or subsurface pathways. Current engineering practice generally does not directly account for the presence, sources, and migration potential of emerging contaminants.*

*This talk will introduce emerging contaminants, including their presence in the environment as well as surface and subsurface migration phenomena. Results of an engineering field study will also be presented.*

**Reservation(s) by 01/18 (Tues) to [Herman Tirado](#), Jacobs, [herman.tirado@jacobs.com](mailto:herman.tirado@jacobs.com) or (407) 903-5156**

***Please Note:* Due to our financial commitments to the Sheraton Hotel, no shows as well as cancellations after Tuesday the 18<sup>th</sup> of January will be invoiced.**



**If you require a vegetarian menu, arrangements can be made at the time of RSVP to the e-mail provided above.**

PDHs FBPE EXP 0003826

## Looking for just the right professional to fill big shoes? Looking for a new career opportunity? Look to your ASCE East Central Branch Newsletter!

The East Central Branch of ASCE is helping our community's engineers and engineering firms make a connection by offering **FREE** advertising for both parties.

- If you are an engineer seeking a new career opportunity, you may submit a small ad free of charge to be run in the ASCE ECB Newsletter for a period of three months. To be considered, you must be, or have been an active member of ASCE.
- For a firm seeking new team members, we will run a free 1/4 page advertisement for a period of three months as well.



For more information, please contact Nancy Cortes at [cortes@pbworld.com](mailto:cortes@pbworld.com)

The following firms have submitted available job positions. Please contact them directly with any questions.



Geosyntec Consultants, a national leader in water resources and environmental engineering, is growing and seeking a water resources project engineer for its metro-Orlando office located in Lake Mary. Candidates should possess a Florida PE license with at least 4 or more years of practical experience related to watershed, stormwater, drainage, and/or surface water quality related projects. CADD, GIS, and hydrologic modeling skills are a plus.

Geosyntec is an equal opportunity employer with 8 Florida offices and over 40 throughout the US and abroad. Please send resume to Chad Drummond ([cdrummond@geosyntec.com](mailto:cdrummond@geosyntec.com)) or Mark Ellard ([mellard@geosyntec.com](mailto:mellard@geosyntec.com)). [www.geosyntec.com](http://www.geosyntec.com).



Parsons Brinckerhoff is seeking qualified hydrogeologist candidates for our Orlando office. Job responsibilities include project management, technical leadership and supervision of professionals on a diverse project workload. Requirements include

a BS degree (MS preferred) in hydrogeology, groundwater hydrogeology/engineering or similar and a Florida P.G. license (or ability to obtain one within 6 months). A minimum of 15 years work experience is desired, and while a broad range of geographic experience is beneficial, significant experience in Florida is strongly desired. Please submit your resume at <http://search0.smartsearchonline.com/pb/jobs/>, Reference # is 11558



Dyer, Riddle, Mills & Precourt (DRMP, Inc a multi-discipline Civil Engineering and Surveying firm is seeking a Bridge Engineer (PE or EI) with 3 to 6 years experience for a full time position in our Orlando office. The position includes performing calculations for the design of bridges and other miscellaneous structures.

Work requires independent problem solving, decision making, and adaptation of standard engineering procedures under the general direction of senior staff. Responsibilities include organizing and prioritizing project tasks, conveying information clearly and effectively through verbal and written communications, technical design and plans production. May assist Project Engineer with planning, scheduling, and coordinating detailed phases of projects. Minimum Requirements: Bachelor of Science Degree in Civil Engineering with a PE or EI, 3 to 6 years relevant experience, valid driver's license. Salary based on experience. EEO, Drug Free Work place. E-mail resumes to [humanresources@drmp.com](mailto:humanresources@drmp.com)



**STRUCTURAL  
ENGINEERING  
INSTITUTE**

## Meeting Announcement SEI Structural Technical Group

### The Design and Construction of the State Road 46 Bridge Replacement over Lake Jesup Design-Build Project

**SPEAKER:** Mr. Christopher J. Mills, P.E., Florida Structures Department Head for Wilbur Smith Associates.

Mr. Mills will discuss the design and construction of the SR 46 Bridge Replacement over Lake Jesup Design-Build project for District 5. WSA was the lead designer for Johnson Bros-Misener Marine, a Joint-Venture who completed construction of this project in January 2010. Mr. Mills served as the project manager and lead structural for this design-build project. This bridge was # 6 on Road & Bridges Top Ten Bridges for 2009.

This \$38 million design-build project, comprised of approximately 1.5 miles, half of which is the new S.R. 46 Lake Jesup bridge. The project involved replacement of an obsolete 500-foot bridge with a 3,740-foot structure in the environmentally sensitive region where the St. Johns River intersects with Lake Jesup. This project is unique because, in addition to removing the deficient bridge, the existing causeway will be removed as well within the limits of the proposed bridge. This will remove the pollutant load currently draining from the roadway into the lake and will allow for better flow between the river and lake.



This project included many different design aspects including lateral modeling for highly variable soils, temporary bench for bridge construction, 3,000 ft closed drainage system, and the attached of a pressured line along its entire length.

**DATE:** Tuesday, January 18, 2011

**LOCATION:** Orlando Sheraton Downtown  
400 West Livingston Street  
Orlando, Florida 32801

**TIME:** 11:30am to 12:00pm – Registration  
12:00pm to 1:00pm – Presentation & Lunch

**COST:** \$25.00 Advance Registration  
\$30.00 Walk-ins  
\$6.00 for 1<sup>st</sup> 5 Reserved Full-time Students (Please state this in RSVP)

## Membership Renewal Deadline was Dec. 31; Have You Paid Dues?

As an ASCE member, you're connected to the latest industry trends, linked to the best professional development programs, and engaged with a network of colleagues worldwide. Even more, your continued involvement builds a solid foundation for keeping your career on track and moving toward achieving your professional and personal goals. Avoid an interruption in your benefits -- please renew today! Four renewal options are available: online at [www.asce.org/renewal](http://www.asce.org/renewal) (the quickest and easiest way); by fax at 703-295-6333; by phone at 800-548-2723, Monday-Friday from 9 a.m. to 6 p.m. ET (or for international members, 703-295-6300); and by mail to ASCE Membership, P.O. Box 79084, Baltimore, MD 21279-0084. Ensure a positive return on your investment as a professional civil engineer as a member of ASCE.

Share:



Remember to please check the boxes for East Central Branch. We encourage all members to include the voluntary \$10.00 contribution to ECB to help our scholarship, education, Central Florida Field Trip, and many other worthwhile activities the ECB supports during the year.

*We are in it to make Civil Engineering build a better tomorrow for our Community.*

## UCF-CECS Engineer-Teacher Connection

The College of Engineering and Computer Science at the University of Central Florida (UCF-CECS) has embarked on an initiative to connect STEM (science, technology, engineering and mathematics) educators with technical professionals. The goal is to help educate young students in and outside of the classroom to learn what engineering and other technical fields of study are and what engineers and other technical professionals do. It is called the "Engineer-Teacher Connection". The ETC has been made possible with support from General Electric Foundation and the Florida Space Grant Consortium. The on-line system matches STEM educators' talent and resource needs with the profiles of engineers, scientists and medical technologists from across Florida. It uses a combination of geographic matching and content matching using "big picture" state science standards to connect teachers and engineers. The system will in time connect formal STEM educators with informal STEM educators for purposes of sharing insights and educational materials. The ETC also has the ability to record educators' resource needs as we will be working with program partners to explore ways of finding STEM related supplies and materials.

The CECS Outreach Office that operates the system is seeking our organization's assistance to help recruit one or more engineers or other technical professionals who would be willing to spend one or more hours in a classroom. They may be asked to be a resource speaker, assist students with hands on projects, participate as a science fair judge, mentor a student and/or help a teacher in developing a technical unit of study for their curricula.

If interested, please go to the ETC website at <http://stemaidd.ucf.edu/Home.aspx> and then click on the "Sign Up" link in the upper right hand corner. The system will prompt users through the next couple of steps. This provides a most convenient system to help technical professionals connect with STEM educators and the many young students they teach.

## ASCE / ABET Program Evaluators Needed

ASCE is seeking qualified civil, construction and architectural engineering technology educators and practitioners to serve as ASCE/ ABET Program Evaluators. ABET team members evaluate engineering and engineering technology programs, from their area of engineering expertise, as well as gain an overall perspective of the host institution. Confidential post visit evaluations are prepared and integrated into the final review. All current and prospective civil engineering and civil engineering technology evaluators must attend the new ABET Program Evaluator Training before visiting a program. For additional information on how you can become involved in this rewarding experience, contact Dion Coward at [dcoward@asce.org](mailto:dcoward@asce.org) for more information.



## The West Point Bridge Design Contest

[bridgecontest.usma.edu](http://bridgecontest.usma.edu)

# 2011 Contest

Sponsored by the American Society of Civil Engineers

COMPETITION BEGINS: January 10<sup>th</sup>, 2011

COMPETITION ENDS: April 30<sup>th</sup>, 2011

The Education Committee for the East Central Branch of ASCE is proud to host the West Point Bridge Design Contest for the Central Florida Area. This competition is open to ALL students. Students must register at <http://bridgecontest.usma.edu/> and download the software.

Be sure to input the correct competition code when prompted.

Elementary: **CFEC**

Middle & High: **CFHC**

Students are not allowed to create groups larger than 2. Students are allowed to submit as many designs as they desire. The results are displayed at the appropriate link below and are updated every 24hrs.

Elementary: <http://bridgecontest.usma.edu/standings/local/CFEC.htm>

Middle & High: <http://bridgecontest.usma.edu/standings/local/CFHC.htm>

The West Point Bridge software is free to download and use. The West Point Bridge Design contest allows students to quickly create bridges and then to test them. The goal of the contest is to create the cheapest design.

There will be a competition in **May 2011** consisting of the top local teams. The exact date is to be determined. Teams are competing for **cash prizes**. The winning teams from the local competition will be invited to the **State competition on July 14<sup>th</sup>, 2010 in Saint Augustine, FL.**

For more information and the complete rules please visit:

<http://bridgecontest.usma.edu>

For more information contact:

Michael Olka, EIT

Metz & Associates, LLC.

Phone: 407-366-3800

Email: [molka@metzbridges.com](mailto:molka@metzbridges.com)



**This is a description of the National Contest Rounds:**

### Qualifying Round

The Qualifying Round of the contest runs from January 10 to February 25, 2011. To enter:

- Form a team, consisting of either one or two members.
- [Download](#) and install the West Point Bridge Designer 2011 software.
- Use the West Point Bridge Designer 2011 to design a bridge. Save your design as a *bridge design file*.
- [Register](#) for the contest. *Don't forget your team name and password!*
- [Log in](#) to your Team Home Page and upload your bridge design file for judging. You will receive immediate feedback about your current standing in the contest. For more information about how designs are judged, please see the [Official Rules](#).
- Use the West Point Bridge Designer 2011 to improve your design.
- [Log in](#) to this website and submit your improved design. You may submit as many designs as you like; however, only your team's best design will be included in the contest standings.

At the end of the Qualifying Round, the top 40 eligible teams will be invited to compete in the Semi-Final Round.

### Semi-Final Round

The Semi-Final Round will be conducted on March 25, 2011. The 40 semi-finalist teams will participate at sites of their own choosing. Each team will access this web site, receive a new design project for WPBD 2011, and will have three hours to develop a new bridge design and submit it for judging.

At the conclusion of the Semi-Final Round, the top 6 teams will advance to the Final Round.

### Final Round

The Final Round will be conducted on April 28, 2011, at West Point, New York. The contest will cover all reasonable costs associated with travel and lodging for the team members and for one parent or guardian per team.

During the Final Round, each team will be provided with a new design project for the West Point Bridge Designer 2011. Each team will be required to develop and submit a new bridge design within a two-hour period.

The top team at the conclusion of the Final Round will be declared the winner of the contest.

**This is a copy of the schedule for the National Contest.**

The 2011 West Point Bridge Design Contest will follow this schedule:

- **Contest registration** opens at 1:00 p.m. EST on **January 10, 2011**. The West Point Bridge Designer 2011 software will be available for download at this time as well.
- The **Qualifying Round** will be conducted from 1:00 p.m. EST on **January 12, 2011** to 1:00 p.m. EST on **February 25, 2011**.
- The **Semi-Final Round** will be conducted from 1:00 p.m. to 4:00 p.m. EDT on **March 25, 2011**. *To compete in the Semi-Final Round, you must be available at the designated time.*
- The **Final Round** will be conducted on **April 28, 2011**, at West Point, New York. *To compete in the Final Round, you must be able to travel to West Point and to compete at the designated time.*

These dates are subject to change.

More information about [what happens in each round...](#)

## Next ASCE Education Meeting - Thursday February 3 at noon at Woollpert – PLEASE MARK YOUR CALENDARS

**What:** Education Planning Meeting  
**When:** Thursday, February 3, 2011 at noon (lunch provided)  
**Where:** Woollpert's address is 3504 Lake Lynda Drive, Suite 400 | Orlando, FL 32817-1484 (near UCF, near cornering of University and Rouse)

RSVP By: February 1

### Meeting Goals

1. West Point Bridge Competition - Enlist and Encourage more schools for participate
2. Central Florida Field Trip Plan - Scheduled for Feb 25
3. Update and work plan and model use videos - Roland, Mike, Bob etc.
4. Seminole County Science Fair update / Orange County Science Fair update / OSC Science Challenge
5. LEGO Robot Competitions
6. OSC Partnership (Inspire science learning for life) – Classroom Outreach and at OSC.
7. ASCE & FES Collaboration

If you are unable to attend in person, you can also conference call in

Ready-Access Number: 866-365-4406  
 7-Digit Access Code: 5411382

## **ASCE's 141st Annual Civil Engineering Conference Annual Call for Presentations!**

The planning for ASCE's 141st Annual Civil Engineering Conference to be held in Memphis, Tennessee, October 20-22, 2011 is under way. We are in the midst of the pre-planning stages for the educational sessions and we need your assistance. Working with the conference theme, "Sustainable Infrastructure – Civil Engineering Solutions", the Conference Program Committee, chaired by Erin Fletcher, P.E., is soliciting proposals for conference educational program.

Shortly before the Thanksgiving Holiday, the 2011 Annual Planning Committee sent out the Annual Call for Presentations. We hope you will take the time to support this initiative. The deadline for receipt of proposals is Tuesday, January 25, 2011. Completed proposal forms can be sent to [annualcall@asce.org](mailto:annualcall@asce.org). We look forward to your participation in this important endeavor.

The presentations/sessions are 90-minutes and may either be lecture, panel or group discussion style sessions to be held either on Thursday, Friday or Saturday. As always, we seek interesting and engaging topics and discussions based on the conference theme. The ASCE Annual Conference provides an opportunity for discussion, interaction, and education on topics that cross the breadth of civil engineering sub-disciplines. Appropriate topics can include those related to business and the responsibilities of being members of a learned profession. However, as engineers, the audience is keenly interested in presentations and sessions with technical underpinnings and clear applicability to topical subjects such as adaptation to climate change, improving resiliency within built works, etc.

Consequently, the Conference Program Committee seeks to develop a "well rounded" program of sessions that educate and reinforce topics relevant to being a learned professional along with technical discussions that appeal to the science and engineering perspectives of the participants. The annual conference does not attempt to compete with technical specialty conferences, but there are a range of topics that introduce new scientific approaches, intersections between technology or science with policy, or technical topics that span a breadth of disciplines where the Annual Conference can effectively contribute to the education and productivity of the ASCE membership and the civil engineering profession.

Talking head presentations followed by Q&A can be informative and engaging, but only if we choose the right speakers. In addition to the conference theme, we have assembled a list of supporting topics the conference committee feels are timely and appropriate for this event. This topic list and a brief description are included in the attached Call. I ask you to consider these topics as you query your colleagues when you disseminate this invitation and encourage the submission of presentation proposals. The attached Call for Presentations and Session Ideas includes the Proposal Form for your convenience.

On behalf of the 2011 Annual Planning Committee, I thank you in advance your support of this initiative, and your continued support of the civil engineering profession and ASCE. Only through you can ASCE achieve the educational quality and member-value we strive for in our conferences.

Best wishes,

Garland Rose, P.E., F.ASCE  
Chair, 2011 ASCE Annual Planning Committee

Erin Fletcher, P.E., M.ASCE  
Program Chair, 2011 ASCE Annual Program Committee

Amanda S. Rushing, CMP, Aff.M.ASCE  
Director, Conferences & Meeting Services  
Staff Liaison, 2011 ASCE Annual Planning Committee

# *Save The Date*



**WATER RESOURCES TECHNICAL GROUP**



## *27<sup>th</sup> Annual*

**WATER RESOURCES SEMINAR**

**APRIL 1<sup>ST</sup>, 2011**

**BUENA VISTA PALACE**

**ORLANDO, FLORIDA**



**ENVIRONMENTAL &  
WATER RESOURCES  
INSTITUTE**

**FLORIDA SECTION - EAST CENTRAL BRANCH**

# HOW TO DEAL WITH THE STRESSES AND ANXIETIES OF BEING A CIVIL ENGINEER

By Stanley Popovich

Stress and anxiety are very common when you are a civil engineer. As a result, here is a list of techniques that a civil engineer can use to help manage their daily stresses and anxieties.

Sometimes, we get stressed when everything happens all at once. When this happens, a person should take a deep breath and try to find something to do for a few minutes to get their mind off of the problem. A person could take a walk, listen to some music, read the newspaper or do an activity that will give them a fresh perspective on things.

When facing a current or upcoming task at your engineering job that overwhelms you with a lot of anxiety, divide the task into a series of smaller steps and then complete each of the smaller tasks one at a time. Completing these smaller tasks will make the stress more manageable and increases your chances of success.

Challenge your negative thinking with positive statements and realistic thinking. When encountering thoughts that make you fearful or depressed, challenge those thoughts by asking yourself questions that will maintain objectivity and common sense. For example, you are afraid that if you do not get that job promotion then you will be stuck at your job forever. This depresses you, however your thinking in this situation is unrealistic. The fact of the matter is that there are all kinds of jobs available and just because you don't get this job promotion doesn't mean that you will never get one.

Remember that no one can predict the future with one hundred percent certainty. Even if the thing that you feared does happen there are circumstances and factors that you can't predict which can be used to your advantage. For instance, you are at your place of work and you miss the deadline for a project you have been working on for the last few months. Everything you feared is coming true. Suddenly, your boss comes to your office and tells you that the deadline is extended and that he forgot to tell you the day before. This unknown factor changes everything.

In dealing with your anxieties at your engineering job, learn to take it one day at a time. While the consequences of a particular fear may seem real, there are usually other factors that cannot be anticipated and can affect the results of any situation. Get all of the facts of the situation and use them to your advantage. The more control you have over your stresses and anxieties, the better off you will be in the long run.

Take advantage of the help that is available around you. If possible, talk to a professional who can help you manage your fears and anxieties. They will be able to provide you with additional advice and insights on how to deal with your current problem. By talking to a professional, a person will be helping themselves in the long run because they will become better able to deal with their problems in the future. Managing your fears and anxieties takes practice. The more you practice, the better you will become.

## YOUNGER MEMBER FORUM - Past Events



**Technical Seminar:** ASCE YMF hosted a technical luncheon with guest speaker Adrian Share of HNTB in early December. The Florida High Speed Rail Early Works Project discussion attracted nearly 200 people!

ASCE YMF hosted a panel on November 9th at UCF to educate students about local companies and engineering opportunities. This event was well attended and both panelists and students thought the event was very rewarding.

**Ice Skating:** YMF members met at UCF for some ice skating, ice sliding, and carnival rides at the Light Up UCF event. Everyone had a great time!



**Bowling Happy Hour:** To celebrate the conclusion of a fun and competitive bowling season, ASCE YMF hosted a happy hour at the AMF Bowling Alley. All attendees were asked to bring food items to benefit the UCF Knight Pantry, an organization that helps UCF students in need obtain nutritional food items.



## YOUNGER MEMBER FORUM Upcoming Events

### **Co-Ed Flag Football - STARTS Monday, January 17th**

Flag Football is here and we are in need of players. ASCE YMF will be forming a co-ed team (8 people on the field with 5 guys and 3 girls) through Orlando Sport and Social to play Monday nights at the Orlando Sports Campus in Downtown Orlando. Check out the cool flyer for more information. ASCE YMF will be covering the registration costs. Please forward to your friends and if you are interested in playing, let Todd know by emailing him at [todd1867@hotmail.com](mailto:todd1867@hotmail.com).

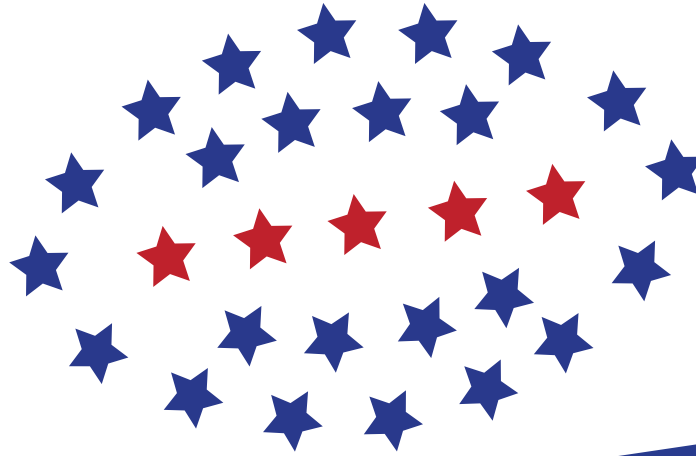
### **Habitat for Humanity** Saturday January 22, 2011

Want a chance to put those design skills and construction minds to work? Join us in constructing a local Habitat for Humanity house on January 22nd from 8am to 2pm. The event is being coordinated in conjunction with UCF and the project is located at the Habitat's Stag Horn Villas. Please contact Bryan Paul with any questions at [BryanGM-Paul@gmail.com](mailto:BryanGM-Paul@gmail.com).

### **Mark Your Calendars...**

**MATHCOUNTS** will be held on **Saturday, February 19th 2011**. YMF will again be sending volunteers to help with this event. Keep an eye out for more details about the event and how to sign up to volunteer.

**IT'S  
TIME  
FOR**



# **FOOTBALL**

**MONDAYS**

**GAME TIMES: 6:30, 7:30, OR 8:30**  
**SEASON BEGINS JANUARY 17, 2011**  
**ORLANDO SPORTS CAMPUS**  
**DOWNTOWN ORLANDO**

Seven games of regular season play followed by single elimination playoffs for qualifying teams.

Equipment and one OSSC T-shirt is provided for each person on the roster.

Eight players on the field (5 men & 3 women). Rules can be read here:

[http://www.orlandosportandsocialclub.com/leagues/rules.php?league\\_rule\\_id=23](http://www.orlandosportandsocialclub.com/leagues/rules.php?league_rule_id=23)

ASCE YMF is not responsible for any stubbed toes, game losses or hungover Tuesdays following game nights.

Please play football responsibly.



Join YMF and the UCF student chapter for a fun day at Habitat for Humanity.



Where: Habitat's Stag Horn Villas  
When: Jan. 22, 8 A.M. to 2 P.M.  
Contact: Bryan Paul at  
[BryanGMPaul@gmail.com](mailto:BryanGMPaul@gmail.com)



# ASCE

*American Society of Civil Engineers*

The 4<sup>th</sup> Annual Central Florida Field Trip was a HUGE Success!  
Please Help Sponsor the 5<sup>th</sup> Annual Central Florida Field Trip

The American Society of Civil Engineers (ASCE) is hosting their 5<sup>th</sup> **Annual Central Florida Field Trip!** The field trip is tentatively scheduled for Friday February 25, 2011. Civil engineering students from four of Central Florida's Engineering Universities will visit exciting state-of-the-art engineering projects and existing facilities. This is the event that many of the graduating members of our local universities will attend.

ASCE offers excellent exposure to sponsoring firms through **verbal recognition** during lunch or the mixer, or **ad space** in the Field Trip Program. All sponsors are recognized with a **posting in our monthly newsletter**. Your company logo will be included in flyers sent to potential attendees if received by **February 18, 2010**. In addition, lunch and mixer sponsors are invited to send a representative to the meal that they sponsor. Your generosity will gain the attention of both the local students and the East Central Branch ASCE members.

Sponsorship Opportunities Include:

½ Page Color Ad in Program	\$250
¼ Page Color Ad in Program	\$125
Mixer Sponsor	\$200
Lunch Sponsor	\$150
Hard Hat Logos <sup>1</sup>	\$75

Your organization can help make our 5<sup>th</sup> **Annual Central Florida Field Trip** a success. We anticipate approximately 50 students will participate in this event. Success at this event means benefits for the Universities and the local engineering community!

If you are interested in sponsorship please make your check out to **ASCE** and your sponsorship can be mailed to Jeff Earhart. If you have any questions, please contact Jeff and he will be happy to answer them. Please respond by **February 18, 2011**.

This year, four universities will benefit from the sponsorships:

- Embry-Riddle Aeronautical University
- Florida Institute of Technology
- Polytechnic University of Puerto Rico, Orlando Campus
- University of Central Florida

<sup>1</sup> Logo stickers must be provided by sponsor.

Mail checks made out to ASCE to:

Jeff Earhart  
c/o Woolpert  
3504 Lake Lynda Drive, Suite 400  
Orlando, FL 32817-1484  
(407) 591-5040  
jeff.earhart@woolpert.com



5<sup>th</sup> Annual Central Florida Field Trip  
Sponsorship Form  
American Society of Civil Engineers

### Sponsor Information

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

### Sponsorship Opportunities:

½ Page Color Ad in Program	\$250	\$ _____
¼ Page Color Ad in Program	\$125	\$ _____
Mixer Sponsor	\$200	\$ _____
Lunch Sponsor	\$150	\$ _____
Hard Hat Logos <sup>1</sup>	\$75	\$ _____
<b>Total</b>		\$ _____

Your company logo and/or ad should be emailed to Jeff Earhart at [jeff.earhart@woolpert.com](mailto:jeff.earhart@woolpert.com). Your company logo will be included in event flyers and post event articles.

Please mail this form and your check made payable to **ASCE** by **February 18, 2011** to:

Jeff Earhart  
c/o Woolpert  
3504 Lake Lynda Drive, Suite 400  
Orlando, FL 32817-1484  
(407) 591-5040  
[jeff.earhart@woolpert.com](mailto:jeff.earhart@woolpert.com)

**Thank you for your interest and support in this great event!**

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## EDUCATION OPPORTUNITIES

### ORLANDO CONFERENCES

#### **Load Rating of Highway Bridges** Feb 3 - 4, 2011

The purpose of this course is to concentrate on the fundamentals of load rating highway bridges using the latest AASHTO Manual for Bridge Evaluation (2008). The LRFR and LFR approaches are broken down into their basic components and detailed explanations are provided on procedures specific to each methodology. Examples will be used to illustrate the LRFR and LFR rating procedures.

#### **Instrumentation & Monitoring Bootcamp: Planning, Execution & Measurement Uncertainty for Structural & Geotechnical Construction Projects** Feb 10 - 11, 2011

The use of field instrumentation to monitor the on-site behavior of structures is becoming part of many construction projects. Nevertheless, few American universities offer a course on instrumentation as part of their civil engineering curriculum; therefore, many engineers learn instrumentation through the school of hard knocks. This seminar will fill a void in the education of many civil engineers. Held in conjunction with ASCE Geo Institute.

#### **Structural Condition Assessment of Existing Structures** February 24-25, 2011

Learn the latest techniques and procedures for assessing the physical condition of buildings. Includes assessment approach, structural material and system assessment, non-destructive examination, report writing and case studies. Day one covers concrete and masonry. Day two covers wood and steel. Instructors - Brian K. Brashaw, Zhiyong Cai, Ph.D., P.E., Gregory Fehr, P.E., Larry D. Olson, P.E., M.ASCE, Robert J. Ross, Ph.D., and Xiping Wang, Ph.D. Earn 1.4 Continuing Education Units (1.4 CEUs)

#### **Storm Sewer System Design Using SWMM** March 3-4, 2011

Instructor - Mark Peterson, P.E., M.ASCE. Storm sewer design requires an understanding of urban hydrology, surface flow hydraulics, inlet hydraulics and pipe flow hydraulics, and often an understanding of the computer software that is used for analysis. This seminar will provide instruction on how to go through the entire process of designing a storm sewer system. The course is based on the current version of the EPA Storm Water Management Model (SWMM). It includes other important analyses that are not part of SWMM.

#### **Bridge Rehabilitation** March 24-24, 2011

Instructor - Jim Zhao P.E., M.ASCE. With rapid aging of the nation's infrastructure, state and local governments are spending more and more money on bridge rehabilitation. Currently, most states spend more money on bridge replacement and rehabilitation than building new bridges. This trend will certainly continue. This two-day seminar covers subjects such as: structure condition evaluation, bridge load rating and rehabilitation analysis, state-of-the-art rehabilitation techniques, alternative analysis models, new material applications, construction methods and constructability analysis, and project lifecycle cost analysis.

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	1	2	3	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17 YMF Co-Ed Flag Football Starts!	18 SEI Luncheon	19	20 Water Resources/ EWRI Technical Luncheon	21	22 YMF Habitat for Humanity
23	24	25	26	27	28	29
30	31					

ASCE's mission is to provide essential value to our members, their careers, our partners and the public by developing leadership, advancing technology, advocating lifelong learning and promoting the profession.

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