



William R (Rob) Maples, PE

PRESIDENT'S MESSAGE

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

Welcome to the March 2011 ASCE ECB Newsletter. We have had a busy month in February. Orange and Seminole Counties had their science fairs and we provided judges and manned an ASCE table for both events. Thank you to all who participated. These events allow us to introduce our future engineers to our profession. Watch the calendar for upcoming events such as the State Science Fair and the Science Olympiad at UCF for opportunities to volunteer.

Jeff Earhart and his assistants had a very successful 5th Annual ASCE/ECB Field Trip, approximately 50 college students visited engineering sites to get hands on experience with our work. Great work Jeff.

Thanks to all of you that supported the E-week events. Congratulations to all of the award winners. Four of ASCE's nominees took awards at the E-week award banquet.

- Lifetime Achievement in Engineering: **Peter Manz**
- Outstanding Organization of the Year – Public: **Orange County Utilities**
- Outstanding Small Organization of the Year – Private: **Epic Engineering & Consulting Group**
- Engineering Project of the Year – **SR 436/50 Intersection (PBS&J)**

As always I need to point out 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.

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 many of you as we make this year very successful and fulfilling.

William R (Rob) Maples, PE

ASCE East Central Branch Florida Section President

IN THIS ISSUE...

Engineering Management/Transportation Luncheon	2
Education Committee Meeting	2
New Positions/Engineers Needed Section	2
Design & Building Industry Mixer	4
SEI Scholarship	5
EWRI Nutrient Reduction Facility Tour	7
Engineer-Teacher Connection	7
ASCE / ABET Program Evaluators Needed	9
Water Resources Seminar	10
Annual Scholarship Golf Tournament	13
Younger Member Forum	14
UCF Student Chapter	15
PUPR Student Chapter	15
Education Opportunities	18
Our Corporate Sponsors	19
Mark Your Calendars	20
ASCE ECB Branch Leadership	21

ASCE SmartBrief

Engineers puzzled by broken EBF at New Zealand earthquake site

Structural engineers are trying to figure out why one of the eccentric-braced frames at a three-story parking garage in Christchurch, New Zealand, was fractured and another mangled, while EBFs in five other steel structures survived the Feb. 22 earthquake. "[The fracture] appears to have been in the heat-affected zone next to the weld that connects the brace to the beam in the bottom flange of the beam," said Michel Bruneau, a professor in the department of civil, structural and environmental engineering at the State University of New York at Buffalo. Bruneau refuses to speculate on the exact cause. [Engineering News-Record \(3/9\)](#)

ASCE – ENGINEERING MANAGEMENT GROUP & TRANSPORTATION GROUP LUNCHEON

SAVE THE DATE - More information to come!

Special Guest Speaker: STEVE PRECOURT

Date: May 17TH

Location: Orlando Sheraton, Downtown (Across from the Bob Carr Center)

ASCE Education Meeting

What: Education Planning Meeting

When: Tuesday, March 22, 2011 at noon (lunch provided)

Where: Woolpert's address is 3504 Lake Lynda Drive, Suite 400 | Orlando, FL 32817-1484 (near UCF, near corning of University and Rouse)

RSVP: March 21

Meeting Goals

- West Point Bridge Competition - Enlist and Encourage more schools for participate
- Central Florida Field Trip Plan - Review
- Update and work plan and model use videos - Roland, Mike, Bob etc.
- Seminole County Science Fair review / Orange County Science Fair review / State Science Fair March 23 (Need Volunteers)
- LEGO Robot Competitions
- OSC Partnership (Inspire science learning for life) – Classroom Outreach and at OSC.
- 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

Please call or email Jeff Earhart 407-591-501 or jeff.earhart@woolpert.com to RSVP.

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



The following are current job opportunities. Please contact the firms who have available positions directly with any questions.

LOCHRANE Consulting Engineers - Surveyors Highway Engineer – Candidates should possess a BSCE, Florida P.E. and at least 8 years highway design experience. FDOT roadway/drainage design and permitting experience required. Must be a self-starter and capable of working with a team of both project engineers and designers. Effective communication skills and ability to make events happen are essential. Interested candidates should submit a cover letter and resume to hr@lochrane.com. Please note position title in the subject of the e-mail.



Marketing Assistant/Coordinator, Part-Time to Full-Time Opportunity – Lochrane Engineering, Inc., a 30 year old engineering and surveying firm, is looking for a strong marketer to support their Marketing Manager in the full array of marketing initiatives for the firm's 3 Divisions: Transportation, Land Development and Survey, to include Federal pursuits. This will start as a part-time 24 hr to possible 32 hr position, but will need to be available to work 40 hours from mid-July through mid-October. Hours after that time will be negotiable with the opportunity to be a full-time position. This opportunity is IMMEDIATE and we are interviewing now and over the first few weeks of March, so get your resumes in ASAP to be considered. Find our more details about the position responsibilities and skills needed at <http://www.lochrane.com/careers/careers/21-support/202-marketingassistant>. To apply, please send resume and cover letter to Christi Posey, CPSM, Marketing Manager at christi.posey@lochrane.com.



Inwood Consulting Engineers, Inc. (Inwood) is currently seeking a water resources project engineer (PE or EI) for its main office

in Oviedo, Florida. Candidates should have 3 to 6 years of practical experience related to watershed, stormwater, drainage retrofits, permitting, and/or surface water quality related projects. The position includes watershed/stormwater modeling, report writing, permitting, design, and field reviews under the direction of senior staff. Candidates should also be proficient in various software packages such as Microsoft Office, ICPR, ArcView, ArcInfo, Microstation, and Geopak. Please send resume to resume@inwoodinc.com.

Windermere Engineering Services, Inc. Firm is a professional engineering corporation performing geotechnical engineering projects. This position requires a licensed Professional Engineer; at least 2 to 5 years' experience in geology/geotechnical engineering is required. Specific experience in forensic (sinkhole) evaluation/geotechnical engineering is preferred. Please contact James E. Rothrock, P.E., at 407-293-7030, or jr@wpes.net

Specific skills:

- Excellent skills in WRITING REPORTS for Forensic Geotechnical Explorations.
- Must be technically superior with excellent written and verbal communication skills.

- Has knowledge of soil classification and laboratory testing of soils.
- Experienced in preparation of boring logs, site plans and repair plans.
- Skilled in development of repair (grouting/underpinning) plans and specifications.
- Knowledgeable in creating spread sheets and graphic presentations.
- Performing engineering analyses.
- Knowledge of field work methods/SOPs.
- Experience with performing and interpreting ground-penetrating radar a plus.



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

DESIGN & BUILDING

Industry Mixer

We are gathering over 30 design and building industry associations' members for an after-hours social designed for networking. Over 600 people are expected to attend this free cooperative event. Please join us.

When: March 24, 2011 from 5:30 – 7:30 p.m.

Where: Ember, 42 W. Central Boulevard • Orlando 32801

**WE THINK
YOU SHOULD
MIX BUSINESS
WITH PLEASURE**



AGC of Greater Florida, Inc. ▲ Air Conditioning Contractors Association of Central Florida ▲ American Institute of Architects-Orlando Chapter ▲ American Society of Civil Engineers ▲ American Society of Heating & Air-Conditioning Engineers ▲ American Society of Professional Estimators ▲ Associated Builders And Contractors ▲ Central Florida Builders Exchange ▲ Central Florida Chapter, National Electrical Contractors Association ▲ Central Florida Energy Efficiency Alliance ▲ Commercial Real Estate Women ▲ Congress for the New Urbanism – Orlando ▲ Construction Specifications Institute ▲ Design-Build Institute of America, Florida Region ▲ Downtown Orlando Partnership ▲ EAF–Employers Association Forum ▲ Florida Association of Electrical Contractors ▲ Florida Chapter American Society Landscape of Architects ▲ Florida Concrete and Products Association ▲ Florida Crane Owners Council ▲ Florida Fire Sprinkler Association ▲ Florida Planning & Zoning Association ▲ Florida Restaurant and Lodging Association ▲ Florida Solar Energy Industries Association ▲ Florida Wall & Ceiling Contractors Association ▲ Home Builders Association of Metro Orlando ▲ Legal Marketing Association ▲ Manufacturers Association of Central Florida ▲ Metro Orlando Economic Development Commission ▲ Mid Florida Utilities and Transportation Contractors Association ▲ NAIOP ▲ National Association of Women Business Owners ▲ National Association of Women in Construction, Greater Orlando Chapter ▲ Orlando Metro Section Florida Chapter of the American Planning Association ▲ Professional Construction Estimators Association of America – Orlando Chapter ▲ Society for Design Administration ▲ Society for Marketing Professional Services ▲ Southeast Glass Association ▲ Themed Entertainment Association ▲ Underground Utility Contractors of Florida ▲ Urban Land Institute Central Florida ▲ US Green Building Council, Central Florida Chapter



Please bring non-perishable food items for Second Harvest Food Bank

**FREE DRINK TICKET
TO THE FIRST 100
PEOPLE TO BRING AN
ITEM FOR SECOND
HARVEST FOOD BANK**



APPLICATION FORM for ASCE East Central Branch SEI Scholarship

The purpose of this scholarship is to acknowledge and assist a top civil engineering student who is actively involved in ASCE and intends to pursue a career in structural engineering. Applicants will be judged on the following criteria:

GPA	30%
ASCE Activity	20%
Application Presentation	10%
Extracurricular Activities	10%
Letter of Recommendation	10%
Essay (500 words – Maximum)	20%

PERSONAL INFORMATION

Name: (Last) _____ (First) _____ (M.I.) _____

Email Address: _____ ASCE I.D. Number _____

Mailing Address: _____

Telephone number: _____ County of Residence: _____

EDUCATIONAL BACKGROUND

High School: _____ Graduation Date: _____

Name of 1st College Attended: _____ Date of Entrance: _____

Date of attendance at UCF: _____ Major: _____

Transfer Credit Hours: _____ Transfer Hours GPA: _____

UCF Credit Hours: _____ UCF GPA: _____

Total Credit Hours: _____ Overall GPA: _____

Hours Currently Enrolled at UCF: _____

Class Standing: _____ Freshman _____ Sophomore _____ Junior _____ Senior

_____ Master's _____ Ph.D.

Expected Graduation Date: _____

ACADEMIC HONORS

ORGANIZATION MEMBERSHIPS (Do not just list, indicate specify committee involvement)

On-campus:

Off-campus:

ACADEMIC ADVISOR:

Faculty Name: _____ Telephone Number: _____

LETTER OF RECOMMENDATION FROM UCF FACULTY

Faculty Name: _____ Telephone Number: _____

PLEASE INCLUDE THE FOLLOWING ITEMS WITH YOUR COMPLETED APPLICATION FORM

- ◆ Letter of recommendation
- ◆ Copy of Transcripts
- ◆ Add additional sheets, if required.
- ◆ The essay should be typed, single spaced, 12pt minimum, New Times Roman font. The topic is “Why I chose Structural Engineering.”

DEADLINE!!! April 29, 2011

Submit completed application package to:

ASCE SEI Technical Group
PBS&J
482 South Keller Road
Orlando, Florida 32810-6101
Attn: Ken Zagers, P.E.

For questions, please contact Ken Zagers at (407) 806-4336 or email at ktzagers@pbsj.com



**WATER RESOURCES / EWRI CHAPTER
PRESENTS:**

Nutrient Reduction Facility (NuRF) - Tour



With:

Lance M. Lumbard

Water Resources Project Manager

Michael J. Perry

Executive Director

AND

Ronald L. Hart

Water Resources Program Manager

When: Friday, March 18th

Where: Lake County Water Authority - NuRF

Cost: \$20 per person



"The cost of the tour will include round-trip chartered bus transportation and a box lunch."

Agenda

- 11:30am – 12:00pm** **Registration/Check-In**
Orange County Public Works Complex
(Transportation Building)
4200 S. John Young Pkwy.
- 12:00pm – 12:30pm** **Lunch/Pre-tour presentation**
Box Lunch and a general overview of the Facility
- 12:30pm – 1:30pm** **Bus Transportation to NuRF**
- 1:30pm – 3:30pm** **Tour of the NuRF**
- 3:30pm– 4:30pm** **Bus Transportation Back to Orlando**



Comfortable walking shoes recommended as all paths are gravel.

Please Note: Due to our financial commitments for this event, no shows as well as cancellations after Friday the 11th of March will be invoiced.

Reservations by 03/11 (Fri.) (Register Early – Space Limited to 50 Attendees)

RSVP to: **Mike Drozeck, Mike.Drozeck@ocfl.net**

Make checks payable to: **ASCE**

Mail to: **4200 S John Young Pkwy, Orlando, FL 32839-9205**



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

PDHs FBPE EXP 000382

VHB MillerSellen Endows First Scholarship for UCF Master's in Urban & Regional Planning

ORLANDO (February 11, 2011) – VHB MillerSellen announces today that the firm is underwriting the first scholarship endowment for the University of Central Florida (UCF) Urban & Regional Planning Master of Science degree. The announcement was made at a reception highlighting the significance of the program as the first of its kind in the central Florida region.

“Central Florida is the ideal crucible for advancing the best practices for urban and regional planning, and the students in this UCF program will no doubt graduate with exceptional, first-hand experience in the field,” said Jim Sellen, Principal in VHB MillerSellen and an urban planner in Central Florida for more than 30 years. “Our firm is proud to provide support to the top prospective students for this degree year after year.” Central Florida has been among the fastest growing regions in the nation over the past half century and at the center of some of the nation’s most progressing planning initiatives and projects designed to manage growth and natural resources.

Orlando Mayor Buddy Dyer spoke at the reception and has been leading the effort to bring passenger rail to the region and to use transit infrastructure as the framework for the next generation of urban and regional planning. “I applaud VHB/Miller Sellen for their generous commitment to the UCF Masters in Urban and Regional Planning program,” said Orlando Mayor Dyer. “The City of Orlando is a great planning laboratory with opportunities for study and learning everywhere you turn. As Mayor, I understand the critical importance of the planning profession and why planners are so greatly needed, especially in a fast-growing and fast-changing city such as ours. I would also like to congratulate and recognize UCF for expanding the University to include a Master’s Degree in Urban and Regional Planning.”

“Almost every national firm in planning has a presence in Orlando,” Mary Ann Feldheim, chair of the Department of Public Administration said. “The planning community has made a strong commitment to supporting the new program through its willingness to offer internships, mentorships and studio experiences.” Thirty students began their studies last semester, and the program’s enrollment is expected increase to 80 students by fall 2012.

As the Florida operation of VHB (www.vhb.com), a national integrated planning, design and engineering consulting firm, VHB MillerSellen has been at the forefront of many of Florida’s ground-breaking planning initiatives for 30 years

“VHB MillerSellen is happy to invest in UCF and the future planners of tomorrow,” said Michael J. Carragher, VHB Southeast Regional Manager. “We continue to invest in Orlando and the vibrant institutions where we work, knowing that universities are focused on a sustainable future for our communities.”

For additional information, please contact:

Dori Madison, VHB MillerSellen,
407-474-7885, dmadison@vhb.com

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 (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:



E-MAIL

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 for more information.

Save The Date



27th Annual

WATER RESOURCES SEMINAR

APRIL 1ST, 2011

BUENA VISTA PALACE

ORLANDO, FLORIDA

WITH SPECIAL KEYNOTE SPEAKERS FROM ASCE/EWRI NATIONAL ORGANIZATION

EWRI PRESIDENT: *ROLLIN H. HOTCHKISS, PH.D., P.E., D.WRE, F.ASCE*

EWRI DIRECTOR: *BRIAN K. PARSONS, P.E.*



FLORIDA SECTION - EAST CENTRAL BRANCH



27th Annual ASCE Water Resources Seminar

Friday, April 1, 2011
at the Buena Vista Palace in Orlando

Spend a day with us learning about what's happening in water resources, while networking with professionals in your area! Come enjoy presentations by industry experts on subjects such as Numeric Nutrient Criteria, ICPR 2D Modeling, Retrofits, The Emergency Watershed Protection Program and other similar topics important to Florida's water resources community.

Learn about:

- Current industry practices
- Case studies from existing systems
- Surface water modeling tools and projects
- Region's approach to water resources

Who should attend?

- Water resource planners and engineers
- Water quality specialists
- Environmental scientists
- Regulatory personnel
- Local and state government agencies

Presentations to Include:

7:30 - 8:15	REGISTRATION
MORNING SESSION	
8:15 - 8:30	Opening Remarks <i>Jeremy Jardell, ASCE/EWRI Water Resources Seminar Chair</i>
8:30 - 9:05	EWRI Introduction - A New Perspective <i>Rollin Hotchkiss, President & Brian Parsons, Director of EWRI</i>
9:05 - 10:00	ICPR - New Directions <i>Peter Singhofen, P.E., Streamline Technologies</i>
10:00 - 10:30	Break / Exhibitor Showcase
10:30 - 10:45	UCF Update <i>Marwan Simaan, Ph.D., PE, Dean, College of Engineering & Computer Sciences</i>
10:45 - 11:40	Overview of EPA's Promulgated Numeric Nutrient Criteria for Florida's Streams, Lakes and Springs <i>Daryll Joyner, Bureau Chief, Florida Department of Environmental Protection</i>
11:40 - 1:00	Lunch / Exhibitor Showcase
AFTERNOON SESSION	
1:00 - 1:40	Common Pitfalls in BMP Selection and Implementation <i>Harvey Harper, Ph.D., P.E., President, Environmental Research & Design</i>
1:40 - 2:20	Low Impact Development: Lessons Learned <i>Paul Yeargain, P.E., Director of Water Resources and Bethany Eisenberg, Director of Stormwater Services, VHB-MillerSellen</i>
2:20 - 2:50	Break / Exhibitor Showcase
2:50 - 3:30	Miller Lake Watershed Improvements - Innovative Approach <i>David Hamstra, P.E., Principal/Project Manager, Pegasus Engineering</i>
3:30 - 4:10	The Emergency Watershed Protection Program <i>Jesse Wilson, State Conservation Engineer, USDA-NRCS</i>
4:10 - 4:30	Door Prize Drawing / Exhibitor Showcase

Get Involved!
Plan to Attend and Participate!

27th Annual ASCE Water Resources Seminar

Friday, April 1, 2011
at the Buena Vista Palace in Orlando

**Cost is \$150 for ASCE members, \$175 for non-members,
Special Rate of \$50 for Government Employees who are ASCE members,
\$75 for Government Employees who are not ASCE members
(See Below for Registration Form and Instructions)
Contact Patty Therrien at ucfengrfla@cfl.rr.com with any questions**

No Refunds after March 11, 2011. Substitutions are allowed
Please return form and payment to:

Patty Therrien, P.E.
317 Largovista Drive
Oakland, FL 34787
Phone: 407.810.5386
Email: ucfengrfla@cfl.rr.com

Attendee's Name: _____ PE No.: _____
 ASCE Member No.: _____
 Organization: _____
 Mailing Address: _____

 Phone, Fax & E-mail: _____

Please make checks payable to: ASCE We are unable to accept credit cards

- Cost is \$150 for ASCE members, \$175 for non-ASCE members
- For the 2011 Seminar, a special rate for Government Agencies of \$50 per Agency Employee who are ASCE Members is in effect. For Agency Employees who are not members of ASCE the rate is \$75.
- If you are currently unemployed please contact Patty Therrien at the number below for a special rate.

Registration begins at 7:30 AM, and the seminar begins at 8:15 AM.

Please visit <http://www.fla-asce-ecb.org/Application%20Pages/Technical%20Committees/Water%20Resources%20Committee.aspx> for more information, including directions to the seminar, speaker times, and PDH/CEU information. If you have any questions, please call Seminar Committee Member Patty Therrien at (407) 810-5386.

Accommodations:

Buena Vista Palace
1900 Buena Vista Drive
Lake Buena Vista, FL 32830
Reservations: (866) 397-6516

- **ROOM RESERVATION DEADLINE IS MARCH 1, 2011.** Please call (866) 397-6516 and request the ASCE Seminar Rate. The ASCE/EWRI Seminar Room Rate is \$149/night.

**ASCE East Central Branch
Annual Scholarship Golf Tournament**

Stoneybrook West Golf Club

Friday May 13, 2011

Noon Registration

1:00 PM Shotgun Start

- UCF • Closest to the Pin Contests
- ERAU • Longest Drive Contests
- PUPR • 4 Person Scramble Format

<i>Sponsor Options</i>	
Gold (4 players + Hole) @ \$500 _____	Silver (2 players + Hole) @ \$300 _____
Individual Player @ \$100 _____	Dinner Only @ \$20 _____
Hole Sponsor @ \$200 _____	Dinner Sponsor @ \$250 _____

- Your check reserves your space to play. Register early to guarantee your participation.
 - Please e-mail registration and logo to june1370@yahoo.com.
 - **Make donation checks payable to: ASCE**
- **Mail donation checks to:** Ken Morgan, 1016 Pebble Beach Cir. West, Winter Springs, Fl, 32708
- **Contact** Ken Morgan, Tournament Chair @ 407-264-3335 for any questions.

Firm / Company _____ *(please e-mail logo)*

Contact _____ Phone _____

Players 1. _____ 2. _____

3. _____ 4. _____

Check here if you would like to fill in vacancies on your team with an ASCE engineering student chapter player



*Come on out and try your luck on Friday the 13th. You're not superstitious are you?
Mulligans will be available for those of you that want to change your luck.*

The golf event is followed by a dinner and awards. All proceeds from the event are used to support scholarships for engineering students at University of Central Florida, Embry Riddle Aeronautical University, and the Orlando Campus of Polytechnic University of Puerto Rico.

YOUNGER MEMBER FORUM – Past Events

Orlando International Airport Baggage Handling System Tour

YMF members went on a behind the scenes tour at the airport on February 22nd. PMA Consultants organized the tour and showed YMF members the Baggage Handling System and what more than three miles of conveyor belt looks like. Everyone had a great time and learned a lot!

Mathcounts

ASCE and ASCE YMF members volunteered at the MATH-COUNTS competition on February 19th. Nearly 400 students representing 39 schools attended this year's competition. Thanks to all volunteers who came out to support a great event! The students enjoyed the competition and are already looking forward to Mathcounts 2012!



YOUNGER MEMBER FORUM – Upcoming Events

Engineer-4-A-Day - Friday, March 11th

This annual event hosts high school juniors and seniors from Central Florida in order to excite and educate the profession of civil engineering in a fun and friendly environment. Students enjoy lectures and design competitions in the morning and then tour local civil engineering firms in the afternoon in order to see what the real workplace is like. We are in need of volunteers for the morning and afternoon sessions. Please contact Richard Villasenor at RVillasenor@millerlegg.com for more information if you are interested in helping in the morning or becoming a host company for the afternoon.

Florida Turnpike Enterprise's Tour – Tuesday, March 29th

Come join us tour the Florida Turnpike Enterprise's (FTE) Traffic Management Center (TMC) and SunWatch Operation Center in Ocoee Florida at 3pm. The TMC controls, monitors, operates and manages traffic along Florida's Turnpike and all system roadways 24 hours a day, seven days a week. The center monitors and responds to the changing traffic conditions along Florida's Turnpike to provide the traveling public with accurate and timely information. The FTE SunWatch Center is state-of-the-art command-and-control maintenance center. SunWatch is specifically designed to manage FTE's toll collection systems, monitoring equipment status and conducting remote response to system problems. Please contact Allison Delizia at Allison.delizia@dot.state.fl.us for more information and to RSVP.

Annual Service Project with Meals on Wheels - Saturday, April 23rd

YMF will be coordinating with Meals on Wheels to help spruce up the home of one of their elderly customers. Renovations will include painting, possible landscaping, and the construction of a handicap accessible ramp. Please reserve the date as we will need many helpful hands. More details to come...

UNIVERSITY OF CENTRAL FLORIDA STUDENT CHAPTER



ASCE-UCF has had a very successful spring semester thus far! As spring break comes closer, our chapter is preparing one before-spring-break general meeting where we will have a speaker from CDM coming out to speak to us. This meeting is going to be a great opportunity to excite our members about the, every so close, South Eastern Student Conference of 2011 that is going to be taking place at Tennessee Tech!



Our chapter sent students on the fifth annual Central Florida Field Trip, where our members enjoyed a full day touring Florida engineering and construction sites. Our members also attended Concrete Exposure day, where they enjoyed seminars and meeting all the professionals that attended.

In our chapter's volunteering life, our members have donated their time and efforts to Ronald McDonald House multiple times this month, where we cooked dinner for the residents of the facility. ASCE-UCF also helped with Habitat for Humanity, helping build houses, and Math Counts, tutoring children in their school courses while inspiring future engineers. Along with these volunteer events, ASCE-UCF helped the Civil Environmental and Construction department with our bi-annual FE review where students go to prepare for their FE exams.

ASCE-UCF is really excited to come back from spring break and get everything together for the Southeastern Student Conference where our chapter will be competing in all the competitions this year and hoping for the best!

POLYTECHNIC UNIVERSITY OF PUERTO RICO STUDENT CHAPTER

The Polytechnic University of Puerto Rico (PUPR) Orlando Campus ASCE Chapter has elected new board members to complete the 2011-2012 term.



Two of the new members were officially introduced to the ASCE ECB professional's branch at the Board of Directors monthly meeting held Tuesday March 1, 2011 at CDM.



Christian Miraval has been elected President-Elect and will assume office starting March 26 2011 and Valerie Lebron has been elected Secretary.

"Our new board members bring diverse backgrounds and expertise to our current board," said Alexander Moncaleano, President, ASCE PUPR Orlando Campus. "The Chapter will benefit greatly from their involvement as we continue to develop meaningful programs, activities and provide support for students and graduates across Orlando Campus."

From Left to right: Jeff Earhart, P.E. Education committee, Roland Raymundo, P.E. Treasurer, Alexander Moncaleano ASCE PUPR President and Board secretary, Rob Maples, P.E. ASCE ECB President, Christian Miraval ASCE PUPR President- Elect, Jennifer Wiewiora, P.E. Younger Members Forum, Andrew Dugan UCF Student Chapter President, Valerie Lebron ASCE PUPR secretary, Ken Morgan, P.E. Golf

Tournament Chair, and Kevin Francoforte, E.I. Awards committee

POLYTECHNIC UNIVERSITY OF PUERTO RICO STUDENT CHAPTER



Central Florida Field Trip 2011

The CFFT included a full-day tour for civil engineering students from four of Central Florida's Engineering Universities – Polytechnic University of Puerto Rico (Orlando Campus), Embry Riddle Aeronautical University, University of Central Florida and Florida Institute of Technology.



Approximately 55 participants visited four local engineering projects

Florida Department of Transportation Traffic Operation Center

The Intelligent Transportation System (ITS) architecture was developed to provide key traffic monitoring and motorist information systems for I-4, the Florida Turnpike and existing ITS infrastructure (legacy systems) and other interstate facilities in District 5.



SR 429 and SR 414 intersection

This new intersection provides the next connector leg for the extension of SR 429 that intersects SR 441 West of Apopka. This project will also accommodate future growth in west Orange County as well as provide improved access to I-4 and the attractions

POLYTECHNIC UNIVERSITY OF PUERTO RICO STUDENT CHAPTER

Amway Center

The Amway Center recently opened on October 1, 2010 on 400 West Church Street in downtown Orlando, Florida at a total construction cost of \$480 million is one of the most technologically advanced venues in the world and provides a seating capacity of 18,500 for NBA games.

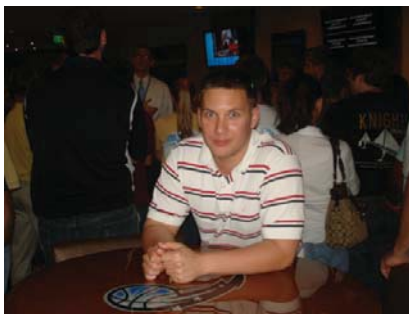
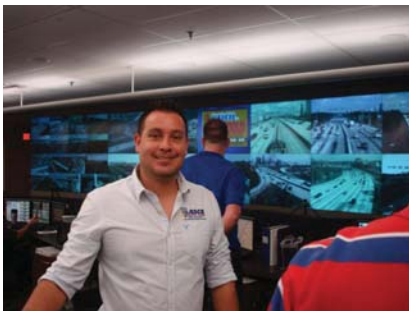
Amway Center has an assortment of mid-level luxury seats and club seating, located below the upper bowl



Orange County Utilities Southern Regional Water Supply Facility

30 MGD max day capacity ozone treatment facility, operations and equipment buildings, two 5 MG ground storage tanks. Cost: \$32,000,000. Special thanks to Brad W. Vanlandingham, P.E. for the tour to this facility

PUPR participants



Thank you to ASCE ECB for continuing to provide such a wonderful learning experience.

EDUCATION OPPORTUNITIES

ORLANDO CONFERENCES

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.

Construction Plans, Specifications and Ethics for Civil Engineers May 16-17, 2011

This seminar will present the variety of dewatering and groundwater control methods available. Topics will include the conditions where different dewatering methods are effective, site subsurface investigations for dewatering projects, including pumping tests; analysis and design of dewatering systems using analytical methods; potential side effects from dewatering; practical applications of dewatering for construction and remediation of contaminated sites, as well as various cut-off methods for providing groundwater exclusion. Both theory and practice will be discussed, with actual case histories.

Pumping Systems Design for Civil Engineers May 19-20, 2011

This seminar presents the basics of pumping system design and specification for civil engineers. It emphasizes the application of pumping systems in municipal water and wastewater systems. Topics covered include: pump and system hydraulics; centrifugal pump selection; interpretation of manufacturer's pump head-capacity curves; types of pumping stations; series and parallel operation; variable speed systems; friction losses in sludge pumping; wet well design; specifying of pumps; shop drawing review considerations; and some common pump operating problems.

Financial Management for the Professional Engineer June 16-17, 2011

One of the most common concerns of managers and leaders of architectural, engineering and planning firms is understanding and managing the financial health of their practice. Learning to evaluate financial performance through interpretation of income statements, balance sheets, cash flow statements, and project reports is critical to their personal success as well as the success of the business. However, managers have limited access to training programs which can provide the skills to be effective financial managers. This seminar teaches the design professional how to read and interpret the income statement, including gross revenue, net revenue, direct and reimbursable expenses, indirect expenses, net profit before taxes, depreciation, gross profit and net profit after taxes. It examines the primary benchmarks of performance: multiplier, utilization rate, direct personal expense ratio, and overhead. In addition, the seminar examines the balance sheet components of assets (current, fixed and other), liabilities (current and long-term loans), and stakeholder equity. Important benchmarks such as current ratio, quick ratio, receivable turn, aging receivables, and debt to equity ratio are also explored.

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Reach hundreds of Central Florida businesses and individuals each month by advertising in the East Central Branch ASCE monthly newsletter.

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Attorneys at Law

STEPHEN W. PICKERT, J.D.
BOARD CERTIFIED IN
CONSTRUCTION LAW BY THE
FLORIDA BAR

800 SOUTH ORLANDO AVE.
MAITLAND, FLORIDA 32751
TELEPHONE (407) 622-5250
TELEFAX (407) 622-5440

CONTACT:
GILMER M. "MIKE" HEITMAN,
IV, J.D., P.E.

spickert@moopm.com
mheitman@moopm.com
www.moopm.com



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MARK YOUR CALENDARS – MARCH 2011

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	1	2	3	4	5
6	7	8	9	10	11 Engineer 4 A Day	12
13	14	15	16	17	18 EWRI Nutrient Reduction Facility Tour	19
20	21	22 Education Planning Meeting	23	24 Design and Building Industry Mixer	25	26
27	28	29 Florida Turnpike Tour	30	31	1 Annual Water Resources Seminar	2

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.

ASCE East Central Branch

c/o Nancy Cortes
Parsons Brinckerhoff
100 East Pine Street, Suite 500
Orlando, Florida 32801

ASCE Florida Section

1625 Summit Lake Drive,
Suite 300
Tallahassee, Florida 32317
Phone 850.224.6500
Fax 407.315.0084

ASCE World Headquarters

1801 Alexander Bell Drive
Reston, Virginia 20191-4400
Toll Free 800.548.2723
International 703.295.6300
Fax 703.295.6222
Faxback 703.295.6444

ASCE EAST CENTRAL BRANCH LEADERSHIP

Board Officers

Rob Maples (CDM)	President	407.660.6417	prasad@epicgroupllc.com
Dr. Prasad Chittaluru (EPIC)	Past President	407.415.6522	mapleswr@cdm.com
Sarah Greene (Horizon)	President Elect	407.644.7754	slgreene@horizoncivil.com
Chris Rader (Orange County)	Vice President	407.254.9727	chris.rader@members.asce.org
Roland Raymundo (Seminole County)	Treasurer	407.665.5715	rroyundo.seminolecountyfl.gov
Alexander Moncaleano (Orange County)	Secretary	407.235.0091	alex.moncaleano@ocfl.net
Nancy Cortes (PB)	Newsletter Editor	407.587.7803	cortes@pbworld.com
Peter Moore	FL Section President		

Branch Committee Chairs

Dr. Prasad Chittaluru (EPIC)	Media Relations	407.415.6522	prasad@epicgroupllc.com
Rob Maples (CDM)	Branch Activities	407.660.6417	mapleswr@cdm.com
Jeff Earhart (Woolpert)	Education	407.677.1012	jeff.earhart@woolpert.com
Trillian Baldassari (Ardaman)	Special Projects	407.855.3860	tbaldassari@ardaman.com
Ken Morgan (FDOT)	Membership	407.264.3335	ken.morgan@dot.state.fl.us
Jeremy Huckeba (PBS&J)	Webmaster	407.647.7275	jshuckeba@pbsj.com
Kevin Francoforte (CDM)	Awards	407.660.6463	francofortekm@cdm.com
Ken Morgan (FDOT)	Golf Tournament	407.264.3335	ken.morgan@dot.state.fl.us

Technical Committee Chairs

Truong Trinh (EAC)	Engineering Management	407.254.4153	ttrinh@eacconsult.com
Sunil Sundaram (ECS Florida)	Geotechnical	407.859.8378	ssundaram@ecslimited.com
Luis F. Bedoya (BBM)	Structural	407.645.3423	lbedoya@bbmstructural.com
Roland Raymundo (Seminole County)	Water Resources	407.665.5715	rroyundo.seminolecountyfl.gov
John Hornbeck (RS&H)	Transportation	407.893.5843	John.Hornbeck@rsandh.com
Shawn Hindle (HWA)	Osceola Forum	407.847.9433	shindle@hansonwalter.com
Jennifer Wiewiora (DRMP)	Younger Members Forum	407.896.0594	jwiewiora@drmp.com

Student Chapters

Andrew Dugan	UCF Student President	941.268.3274	andydugan1@gmail.com
Alex Hinkle	UCF Student Past-President	941.400.6371	AWHinkle@gmail.com
Dr. Amir Behzadan	UCF Advisor		abehzada@mail.ucf.edu
Rafiqul Chowdhury	UCF PRActitioner Advisor	407.256.0315	rafiquel.chowdhury@gmail.com
Michael Demetriades	UCF Practitioner Advisor		md86942@hotmail.com
Anna Sobolewska	ERAU Student President		sobolewa@erau.edu
Dr. Mark Fugler	ERAU Advisor	386.226.7726	fuglerm@erau.edu
Chad Drummond (Geosyntec)	ERAU Practitioner Advisor	407.321.7030	cdrummond@geosyntec.com
Alexander Moncaleano (Orange County)	PUPR President	407.235.0091	alex.moncaleano@ocfl.net
Marie de la Cruz	PUPR President - Elect	407.406.3294	mde_1126@students.pupr.edu
Dr. Auristela Mueses	PUPR Academic Advisor	407.677.5661	amueses@pupr.edu