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September's Topic:

Engineering Software Tools

Guest Speaker: Jorge Oliver

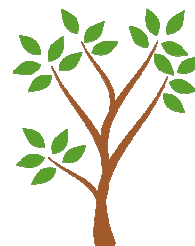
Engineering tools are consistently being developed for a variety of industries. A number of computer programs have been written to help perform engineering analysis as well as economical analysis. Some of these tools can be downloaded from the Internet free of charge. With the right know how, you can use these powerful tools to help identify and analyze equipment performance, optimization and energy system savings opportunities in your plant.

Jorge Oliver is Utility Engineer for Mosaic's Riverview facility and has been a member of the Process Engineering Utility Team since July 2008. Jorge brought with him nine years of utilities experience at companies like Pfizer, Merck and Alabama Power. Jorge has recently received the honor of becoming a Certified Energy Manager (CEM) and has joined a group of approximately 6,000 professionals serving industry, business and government through the US and abroad. Together they comprise the "Who's Who" in the energy management field. Jorge has earned his B.S. degree in Chemical Engineering in 1998 From University of Puerto Rico. He has also earned his MBA in Industrial Management in 2005 at Interamerican University of Puerto Rico and has taken graduate courses at Louisiana State University. Jorge is a registered Professional Engineer.

Spotlight Presentation

The Effect of Phosphate Fertilizer on Plants

Debora Wagner of St. Paul's Lutheran School will present a progress report on the AIChE grant received in April. This project is studying the effect of phosphate fertilizer on plants.



Sponsor for the month of September



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Founded in 1966, Central Maintenance and Welding, Inc. (CMW) provides plant maintenance, plant turnaround, engineering, scheduling, construction and fabrication services for chemical processing, mining, power generation, and other industrial markets. As an ASME code shop, CMW's fabrication services include pressure vessels, tanks, heat exchangers, expansion joints, ducts, piping, pipe racks/supports, hoppers, chutes, and more.

Meeting Notice

Tuesday, September 15, 2009

Social - 6:30 until 7:15 PM	Directions: On South Florida Avenue, One mile south of Polk Parkway Expressway
Dinner- 7:15PM	
Location: Imperial Swan Hotel	Cost: \$15.00 Per Person
Please RSVP by September 5, 2009	Make Check Payable to: AIChE Central Florida Chapter
To: reservations@aiche-cf.org	Or call Bruce Wiggins at (863) 669-2136

If you are interested in sponsoring or presenting a paper at our monthly meetings or in Clearwater, please contact Chair Bob Andrew at chair@aiche-cf.org or Vice-Chair Francine Bellafaire vice-chair@aiche-cf.org.

Upcoming Events

The 24th Annual Regional Phosphate Conference

“Florida Phosphate & Mining – Growing Together”

Wednesday, Oct. 14, & Thursday, Oct. 15, 2009

- ◆ Sponsored by SME – AIChE – AIPG – AFPC– FIPR
- ◆ At the Lakeland Center in Lakeland, Florida

Click here to register

<http://secure.fipr.us/2009Registration/RegistrationForm.html>

- A spirit of collaboration is evident in phosphate and other mining industries in Florida during this time of economic challenges. Now more than ever, the current emphasis in Florida phosphate is on “doing more with less” and heightened cooperation amongst all industry sectors. This year’s conference theme, “Growing Together,” represents the innovative scientific efforts within each aspect of fertilizer production that ultimately result in the efficient growing of food crops.

The key topics that will be discussed during the opening session, keynote address, and six technical sessions are:

- Process efficiency through technological advances
- Better land management methods
- Co-product recovery and use
- Water and energy conservation techniques



Looking for Nominees!

We are currently looking for nominees for “Hero of the Year” to be presented at the Phosphate Conference.

If have a nominee, please contact Neisy Ellis at neisy.ellis@mosaicco.com or at (863) 559-1073.

Meeting Schedule for the Upcoming Year Mark These Dates on your Calendars Now



Date	Program	Host
September 15, 2009	Online Engineering Tools	Central Maintenance & Welding
October 13, 2009	TBD	Central Maintenance & Welding
November 10, 2009	SFWMD Water Update	Hudson Pump & Equipment
December 4, 2009	AICHe/EWC Social at Lakeland Yacht Club	AICHe/EWC
January 12, 2010	USF College of Engineering-Research	PennPro
February 19, 2010	Engineer’s Week Banquet	Tampa Bay Engineers Week
March 9, 2010	TBA	TBA
April 13, 2010	College Night/Scholarship and Teacher Awards	TBA
June 11-12, 2010	34 th Annual Clearwater Conference	AICHe

Newsletter Sponsorships

If you are interested in advertising in the newsletter, it costs \$100.00 to advertise in all the issues this year. Your company’s ad will also appear on the AICHe Central Florida website. Contact me, Nicole Christiansen at secretary@aiche-cf.org for questions regarding advertising.



Elementary / Middle School Grants

Each year the Central Florida Section of the American Institute of Chemical Engineers provides grants to elementary and middle schools in Central Florida to assist in projects which will enhance the study of math and science. This is done to encourage students who have the potential to become engineers in the future.

The grant request should provide the cost of equipment, supplies and other expenses which are needed to carry out a well thought-out project. The goal is to provide educational opportunities which would otherwise not take place. In the past, the applications have come mainly from Polk County, but ***AIChE Central Florida encourages all central Florida schools to apply for the 2009-2010 grants.*** Awards have typically ranged from \$500 to \$2,000.

The grants will be judged on originality, benefits versus cost, implementation plan and value to the students. A description of the project on the application form shall be sent to:

AIChE

c/o Neil Greenwood
5321 Glenmore Drive
Lakeland, FL 33813

e-mail: neil.greenwood@earthlink.net
fax: 863-665-7534

Grant applications are to be received by Oct. 16, 2009 for awarding in the 2009-10 school year.

AIChE Central Florida Section 2009/2010 Officers & Board Members

Chairman: Bob Andrew	Hudson Pump	(863) 665-7867	chair@aiche-cf.org
Vice Chairman: Francine Bellafaire	Mosaic	(813)672-6467	vice-chair@aiche-cf.org
Treasurer Bruce Wiggins	Jacobs Engineering	(863) 669-2136	treasurer@aiche-cf.org
Secretary: Nicole Christiansen	Mosaic	(813) 781-0073	secretary@aiche-cf.org
Professional Development: John Ellington	PennPro Inc	(863) 648-9990 x222	prof-dev@aiche-cf.org
Membership: Rick Davis	Davis & Associates Consulting	(863) 646-7930	membership@aiche-cf.org
Scholarships: Chris Dennis	Mosaic	(813)671-6219	scholarship@aiche-cf.org
Social Co-Chair: Brittany Cooley	Mosaic	(813) 677-9111	social1@aiche-cf.org
Social Co-Chair: Teresa Lucardie	Mosaic	(863)559-7591	socialnight@aiche-cf.org
USF Student Liaison: Sandy Pettit	USF	(727)744-8548	college@aiche-cf.org
Teacher of the Year: Jerrika Rice	Mosaic	(863)559-0892	Jerrika.Rice@mosaicco.com
School Grants: Neil Greenwood	Retired		Neil.Greenwood@earthlink.net
Member at Large: Holland Thompson	Mosaic	(863) 559-1293	prof-dev@aiche-cf.org
Past Chair / Website: Neisy Ellis	Mosaic	(863)559-7591	Webmaster@aiche-cf.org

Resume / Interview Tips

Have a position to fill / Looking for a job? Please contact AIChE Central Florida Career Guidance/ Professional Development - John Ellington prof-dev@aiche-cf.org

How To Write a Perfect Cover Letter

Your cover letter has only one job. It is meant to entice the reader to open and read your resume. Sounds simple, but job seekers often stress as much over their cover letter as they do the resume. If this sounds like you, relax, there is a simple approach to cover letters that will streamline your application process and give you confidence every time you send out your resume. Just keep these three cover letter tips in mind and you'll never stress over writing them again.

1. Keep it short.

More often than not you'll send your cover letter via email or some other electronic system. Your reader won't be looking at a piece of paper, but at their computer screen. Ever notice how short your reading attention span is when you're reading text on your computer? That's why online articles are typically shorter than print articles. The same holds true for email messages. If you've got 60 messages in your inbox you don't have the patience for lengthy text. Now imagine you're a recruiter or resume screener and you must get through a couple hundred resumes in a day. If you want your cover letter read keep it short, concise and to the point.

2. Focus on qualifications.

Most job seekers freeze up when writing cover letter because they don't know what information recruiters want to see. The first person in an organization to read your resume is a recruiter or HR professional who acts as a screener. They are interested only in identifying candidates who match their set of qualifications. The better the match the higher the interest. Don't worry about explaining why you are interested in the position, the screener probably doesn't care. He/she only want to know if you qualify as a viable candidate. Use the job posting as a guide to know exactly what qualifications to mention in your cover letter.

3. Don't try to get fancy.

Job seekers get frustrated writing cover letters because they try to make it into a creative writing exercise. That's not necessary. It's much more important that you keep your ideas clear and easily understood. When writing about your qualifications do use the same verbiage to describe your skills as the job posting. You'll make the resume screener's work much easier and they will recognize you as a perfect candidate match much quicker.

Using this simple approach will allow you to take a customized approach with each cover letter you send. Generic cover letters usually sound canned no matter how much time was spent writing them. Worse, a one-size-fits all cover letter looks like it was borrowed off the page of a sample cover letter book. Would you take the time to read a mass-produced letter?

I'm often asked if cover letters are still relevant in today's fast-paced job market. While the form has changed from paper to electronic they are still a vital part of your job-search marketing materials. Cover letters provide your first opportunity to make a good impression on your potential new employer. It pays to write them with clarity and simplicity.

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Deborah Walker, CCMC is a career coach helping job seekers compete in the toughest job markets. Her clients gain top performing skills in resume writing, interview preparation and salary negotiation.

Read more career tips at:

<http://www.AlphaAdvantage.com>