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## Welcome to the 2010-2011 Year!

Welcome to the 2010-2011 year of the Central Florida Section of the American Institute of Chemical Engineers! We are excited to start this year off with wonderful speakers, interesting topics, a plethora of events to attend, and great friends and colleagues.

This year's board is infused with engineers that are excited to share their trade with others and who have goals of making this organization the best it has ever been. But, in order to make amazing things happen, we need amazing people like you to join us!

Join us in our monthly meetings, whose topics are meant to be both interesting and applicable for everyone. Join us for our community events like the Great American Teach-in and give back. Join us for our entertaining social events and get reconnected with old friends.

Join us for our 35<sup>th</sup> Annual Clearwater Conference, always the highlight of the year.

Overall, the year of 2010-2011 is gearing up to be one of the best ever, so JOIN US to experience it!

**We look forward to seeing you!**  
**~Your Central Florida AIChE Board**

*September's Meeting Topic*

## Corrosion, Materials, & Processes for Plant People

Citing examples from real life materials and process selections, we will cover interesting corrosion and process results. We will cover the actions and selections of real decisions with the results and resolutions discovered. Both acid and base samples will be presented involving equipment and process selection. We will cover steps that developed in ways similar to a soap opera, despite having highly trained people involved. Finally, the ethics of people and their actions will be discussed.



John Ellington, PE  
*PENN PRO Engineering*

John holds a Bachelor's Degree in Chemical Engineering and Metallurgical Engineering, as well as a Master's degree in Engineering Administration from the University of Tennessee at Knoxville. He has held a PE license since 1975 in up to four states. He holds a Certificate from the National Council of Examiners for Engineering and Surveying (NCEES).

Over 40 years has been spent in Operations, Technical Managements and Consulting in chemical engineering jobs with four Fortune Five Hundred companies. The longest stretch was with Mobil Chemical, where we worked in pesticides and phosphate rock. Other product experience includes uranium yellow cake, uranium metal, thorium, soaps, detergents, fatty alcohols, fatty acids, methylation, and polyester. Process areas included long-line mass transfer, calcinations, cyclones, centrifuges, drying, reactors, heat exchangers, crystallization, distillation, nitration, denitration, flotation, screening, hydrogenation, transesterification, and mixing.

John is currently with PENN PRO, Inc. He has assisted in seven FIPR projects, including clay process development, fertilizer from mine waste, and column floatation development. He is a member of the FIPR Beneficiation Technical Action Committee. He is a member of SME as well as AIChE. John is also a 43 year member of ASM, the American Society of Metals

Reserve your seat for September's meeting by the  
10<sup>th</sup> by emailing: [reservations@aiche-cf.org](mailto:reservations@aiche-cf.org)

# Upcoming Events

<i>Date</i>	<i>Program</i>	<i>Location</i>	<i>Host/Sponser</i>
<i>Tue, Sept 14</i>	Corrosion, Materials, & Processing for Plant People	Imperial Swan Hotel	 
<i>Tue, Oct 19</i>	TBD	Imperial Swan Hotel	TBD
<i>Tue, Nov 9</i>	TBD, joint with SME	Eaglebrook Country Club	
<i>Thur, Nov 18</i>	Great American Teach-In	Location Schools	AIChE Central Florida
<i>Fri, Dec 3</i>	AIChE/EWC Social	Lakeland Yacht Club	AIChE Central Florida & EWC
<i>Tue, Jan 11</i>	TBD	Imperial Swan Hotel	TBD
<i>Fri, Feb 25</i>	Tampa Bay Engineers Week Banquet 2011	A La Carte, Tampa	Tampa Bay Engineers Week
<i>Tue, Mar 8</i>	TBD	Imperial Swan Hotel	TBD
<i>Tue, Apr 12</i>	College Night/ Scholarships & Teacher Awards	Imperial Swan Hotel	TBD
<i>TBD</i>	Social Night	TBD	AIChE Central Florida
<i>Fri, June 10-11</i>	AIChE 35 <sup>th</sup> Annual Clearwater Conference	Sharaton Sand Key Resort	AIChE Central Florida

*Monthly Meeting  
Location:*

*Imperial Swan Hotel &  
Suites*

*4141 S. Florida Avenue  
Lakeland, FL 33813*



As always, you can reserve your seat  
for meetings by emailing:  
[reservations@aiche-cf.org](mailto:reservations@aiche-cf.org)  
Or call Bruce @ (863)669-2136

*In order to make our monthly meetings even more effective (and yummy) AIChE has increased the price for regular member admission to \$20 per plate. AIChE is a not-for-profit organization whose goal is to be able to reach its members and community. One way to do this is to enhance the money that filters into the community. With your increased admission, we will subsidize less of the meal, leaving more money for the community! Thank you for your continuing support!*

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## September's Sponsors:



***Central Engineering**, a division of Central Maintenance and Welding, is a full service, licensed engineering firm serving the fertilizer, mining, chemical, pharmaceutical, and power industries. Offering both stand-alone engineering and design-build (turn-key) services, Central Engineering can tailor its products to fit your exact project needs. Services include feasibility studies, concept development, detailed engineering, construction management, and more. With their team of industry professionals, **Central Engineering, a division of CMW, can provide comprehensive engineering services.** Additionally, Central Engineering can deploy these services in conjunction with construction. This combination results in single source responsibility which can in turn provide early identification of constructability issues, time and cost savings, and ultimate avoidance of any potential engineering and construction disputes.*



***The Leader in Industrial Air Moving Equipment:** Robinson Fans manufactures the highest quality and most reliable industrial fans for industries worldwide. They specialize in building custom-engineered and custom-designed fans to meet customers' exacting needs.*

***Air Movement Solutions by Industry:** Robinson Fans has more than 100 years of experience in building air movement solutions for various industries including power generation, mining, rock and carbon products, chemical, thermal treatment, ceramic, air pollution, biofuel, ferrous, and non-ferrous metals, food processing, emerging processes and many others.*

*Thank you so much for your generous sponsorship of our  
September meeting!*

If you or your company is interested in sponsoring or co-sponsoring a monthly meeting, please contact Nicole Christiansen at [vice-chair@aiche-cf.org](mailto:vice-chair@aiche-cf.org)

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*Great American Teach-In  
Thursday, November 18, 2010*

*Take the time to give back to your community and volunteer for Great American Teach-In. The Teach-In is an opportunity to take your knowledge and skills into the local schools and share in the classroom children of all ages. Schools are always looking for volunteers and speakers.*

*AIChE is taking volunteers for the Polk and Hillsborough County Areas. If there is a specific school, age group, or area you would like to volunteer in, please contact Jerrika Rice at [secretary@aiche-cf.org](mailto:secretary@aiche-cf.org)*

## 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.

**Thank you to everyone for promoting the grants and that we have had over 24 schools apply, with request totaling over \$30,000 in 2009-2010. We were able to award over \$8600 in elementary grants in 2009-2010.**

**AIChE - Central Florida would like to award elementary grants again this year. Please share the grant application (page 8) with your friends and family. Help us help the community!!**

# AIChE Central Florida Section 2010/2011 Officers & Board Members

Chairman:	Francine Neuman	Mosaic	(813) 672-6467	chair@aiche-cf.org
Vice Chairman:	Nicole Christiansen	Mosaic	(813) 781-0073	vice-chair@aiche-cf.org
Treasurer	Bruce Wiggins	Jacobs Engineering	(863) 669-2136	treasurer@aiche-cf.org
Secretary:	Jerrika Rice	Mosaic	(813) 817-3832	secretary@aiche-cf.org
Former Chair/Website:	Bob Andrew	Hudson Pump	(863)665-7867	pchair@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
Teacher of the Year:	Brittany Cooley	Mosaic	(863) 581-7591	social1@aiche-cf.org
Social Chair:	Randy Sarsour	Mosaic	(813) 344-7933	social@aiche-crf.org
USF Student Liaison:	Sandy Pettit	USF	(727) 744-8548	college@aiche-cf.org
UF Student Liaison:	Neisy Carrasco Ellis	Mosaic	(863) 428-7321	neisy@aiche-cf.org
School Grants:	Neil Greenwood	Retired		Neil.Greenwood@earthlink.net
FIT Student Liaison:	Holland Thompson	Mosaic	(863) 559-1293	holland@aiche-cf.org
Assistant Scholarship:	Ashley Wright	Hatch	(813) 323-1537	Ashley@aiche-cf.org
Assistant Membership:	Jennifer Burnham	Lakeland Electric	(863) 834-5605	jengineer10@gmail.com



American Institute of Chemical Engineers  
Central Florida Section

**Education Grants for Elementary and Middle Schools  
located in Central Florida  
From Central Florida AIChE Chapter**

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.

Grant requests should provide for 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. The school receiving the grant must be in Florida between latitudes 27°N and 29°N. Grants range from \$300 to \$2,000.

Grant requests will be judged on originality, benefits versus cost, implementation plan, number of participants, life of the equipment and value to the students. A description of the project on the application form (page 2 of this form) shall be sent to:

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

Signed grant applications are to be received by Oct. 15, 2010 for the 2010 / 2011 school year.

Questions may be sent to: [neil.greenwood@earthlink.net](mailto:neil.greenwood@earthlink.net), Telephone: 863-644-2649



American Institute of Chemical Engineers  
Central Florida Section  
Administered by the Polk Education Foundation

**Eligibility:**

Elementary and middle school math and science teachers may apply. To be eligible for a grant, home school must be located in Central Florida (area defined between latitude 27°N and 29°N). One application per teacher, however, multiple teachers at one school may apply.

Applications must be received by October 15, 2010 for the 2010 / 2011 school year.

Submit applications to: Neil Greenwood  
5321 Glenmore Drive  
Lakeland, FL 33813

**Please computer generate the two pages of this application, then print and sign.**

Teacher's Name \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip Code \_\_\_\_\_

School Phone \_\_\_\_\_ E-mail \_\_\_\_\_

1. Identify the problem or challenge you have in regard to the instruction of math and / or science.
2. What is the objective of the project you are requesting funding for?
3. What resources are required and what is the estimated cost of the project?
4. How will the project operate?

5. What are the anticipated results of your project?
6. How will this project encourage students who have the potential to become engineers in the future?

Project Start Date \_\_\_\_\_ Project Finish Date \_\_\_\_\_

**Please note grant requirement:** A written report must be submitted to AIChE within one month of the completion of the project stating how the needs and objectives were met, what resources were used and an overall evaluation of the project or recipients may present their final reports, using the presentation media of your choice, at a local AIChE meeting.

By signing below, you agree that 100% of the funds awarded will be spent on the project described and during the noted project start and finish date.

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

Principal's Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_