



Baton Rouge Newsletter

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www.aiche-br.org

December 4, 2014

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The *AIChE Baton Rouge Newsletter* is published monthly, from September to June, by the AIChE Baton Rouge Section, 110 Chemical Engineering, LSU, Baton Rouge, LA 70803. It is distributed free of charge to members of the Baton Rouge Section of the American Institute of Chemical Engineers.

Membership Fee: \$15.00/yr.

December 2014 Meeting

Date: Thursday, December 18, 2014

Place: Teppanyaki, 7677 Andrea Dr. Ste. 4 - 10, Baton Rouge, LA 70809

Speaker: Mr. John Willis, Vice President, ADCO Companies LTD

Topic: *Steam Boiler Steam Equipment Design Evolution*

In addition to our monthly technical presentation, the chapter will also be electing its officers and executive committee members for the 2015 calendar year.

Agenda:
5:30 PM - Social hour
6:00 PM - Dinner begins with officer and executive committee member elections
6:30 PM - Speaker begins
7:15 PM - Meeting adjourns

Menu: Buffet...

Cost: \$15 per AIChE member (\$20 per guest, \$8 per AIChE student member)

Professional Engineering Certification

The subject of this meeting is an acceptable activity for continuing Professional Development as defined by LAPELS and is **approved** for one (1) PDH unit.

The Baton Rouge AIChE chapter is NOT responsible for individual record keeping of PDH credits. Certificates must be obtained at the meeting by the individual.

RESERVATIONS

Please make your reservation with Chapter Vice Chair, Stephen Reilly, **by 5:00 PM on Tuesday, December 16th, 2014** at Stephen.Reilly@ProSys.com or by calling 908-295-6744.

Upcoming 2015 Events / Speakers..

- 01/15:** Dr. Krishnaswamy Nandakumar, Gordon A. & Mary Cain Professor at LSU, presenting "How is Chemical Engineering evolving? The role of computers in shaping the future of research, discovery, design, and education" at TBD
- 02/19:** Daniel Shantz, Ph.D., Chemical & Biomolecular Engineering Professor, Tulane University (jointly hosted with the Southwest Catalytic Society) at TBD
- 03/19:** Private Tour & Trivia Night at Tin Roof Brewery
- 04/23:** BASF at Geismar site

If you or your colleague(s) would like to give a technical presentation at an upcoming chapter meeting for 2 professional development hours (PDHs), please contact Chapter Vice Chair, Stephen Reilly, at stephen.reilly@prosys.com to schedule a meeting date and time.

From the Editor's Desk..

The talk at the November meeting was highly technical but very interesting. Mr. Jason Sowels talked about reciprocating compressors used to compress CO₂ for injection into oil fields to enhance the production of oil. Mr. Sowels' company, Reagan Power and Compression, provides low-speed, intermediate-speed, and high-speed compressors and have been doing it since 1946. He talked about the advantages and disadvantages of the three speeds in terms of capital and operating costs and their reliability.

The election of officers for 2015 will take place at the December 18 meeting. A slate of candidates will be presented, but nominations from the floor will also be allowed for the positions of Vice Chair, Secretary, and Executive Committee. Then the vote will be taken. So, if you are interested in serving the local section in one of these positions make sure to attend the meeting. It is acceptable to nominate yourself.

I hope you all had a blessed Thanksgiving and avoided overeating. I didn't. Have also a blessed Christmas and a prosperous new year.

Armando Corripio, Editor

November 2014 Meeting Photos..



Speaker Jason Sowels at November meeting



Award to Paige Fitzgerald (Brusly High School)



Award to Mrs. Cortney Haser (Albany High School)



Award to Ms. Kacy Allensworth (St. Joseph's Academy)

November 2014 Meeting Photos (Continued)..



Award to Ms. Jennifer Vulgamore (French Settlement HS)



Award to Ms. Nadege Van Camp (Southland Academy)



Award to Dr. Kellie Green (White Castle High School)



Award to Ms. Brandy Perkins-Howard (Scotlandville Magnet HS)

High School Chemistry Awards Recap...

This year we awarded over \$3,300 to several area high-school-chemistry programs and have awarded over \$46,000 through the last 19 years. Grants were funded for the purchase of teaching materials such as scales, glassware, chemicals, experiment kits, and even a drying oven.

I would like to thank the teachers and students that came out for our November meeting and for all of those that applied for this year's High School Chemistry Grants. Their participation and the teacher's eagerness to excite their students about the fields of chemistry and chemical engineering should be applauded. Hopefully, in the next five or six years we will see some of these students returning to our meetings as new chemical engineers.

-- W. Clark Snyder, High School Grants Chair

Looking to promote an upcoming job opportunity, conference, or other company event?

Consider sponsoring the Baton Rouge AIChE chapter to get newsletter and website exposure, among other chapter benefits! If interested, please send an inquiry to chapter Vice-Chair, Stephen Reilly, at stephen.reilly@prosys.com to find out more.



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by e-mail (JSOWELS@REAGANPOWER.COM)
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2014 Section Contacts

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Seminars: (OPEN POSITION)

Why Should You Join the Local AIChE Chapter?

1. It is a welcoming presence to new chemical engineers in the area.
2. It provides a neutral ground mentorship toward career directions and other life topics.
3. It facilitates a better understanding of local, state, and federal policies related to our professions.
4. It offers a smooth transition for graduating chemical engineers from LSU, ULL, and other nearby universities who start working in the area.

December 2014 Speaker Biography...

Mr. John Willis is the Vice President of ADCO Companies LTD and he is based in the Denham Springs, LA office. John has spent the last 35 years in the packaged boiler/burner industry exclusively with ADCO. His presentation will be focused on sharing information and possible solutions for various boiler applications.

Call for 2015 Officer Nominations...

If you or a chemical engineering colleague living in the Baton Rouge area is a member of the both the local and national sections of the American Institute of Chemical Engineers and would be interested in serving the Baton Rouge chapter beginning January 1st, 2015, submit your nomination to our Nominations Committee Chair, Glenn Young, via e-mail at g.young.g@gmail.com today!

For more information on the Baton Rouge chapter and various officer and committee roles, visit <http://www.aiche-br.org/aboutus.shtml> at your convenience. Nominations will be accepted up until the December 18th meeting, during which elections will be held.

December 2014 Presentation Abstract...

Today's Mechanical Design and Process Engineers have multiple solutions available to them when designing a process steam distribution system.

At the heart of the system is the steam boiler. The solutions may include the Packaged Industrial Watertube Boiler and/or the Packaged Industrial Firetube Boiler. Sometimes, either solution may be applied but only in saturated steam applications.