



# Baton Rouge Newsletter

Year 25, Number 10 [www.aiche-br.org](http://www.aiche-br.org) August 3, 2015

|                                       |   |
|---------------------------------------|---|
| May Seminar Recap                     | 2 |
| From the Chapter Chair's Pen          | 3 |
| Coates Award Banquet Recap            | 3 |
| LSU AIChE Sophomore Camp Announcement | 6 |
| 2015 Section Contacts                 | 7 |

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.

## *2<sup>nd</sup> Annual Young (and Young-at-Heart) Trivia Night!!!*

- Date:** Thursday, August 20<sup>th</sup>, 2015
- Place:** Santa Fe Cattle Company, 11575 Coursey Blvd., Baton Rouge, LA 70816
- Speaker:** (N/A)
- Topic:** Testing your trivia knowledge in the realms of chemistry and chemical engineering!
- Agenda:** 6:00 PM - Social hour as guests arrive and teams of 5 form  
7:00 PM – Trivia contest starts  
8:30 PM – Final question asked  
9:00 PM – Evening ends with prizes awarded
- Cost:** **FREE to attend!**  
As a way to offset costs, we'll be selling second guesses and double point value opportunities each at \$5 per team.
- Menu:** A selection of western / country cuisine appetizers and a cash bar

### RESERVATIONS

Please make your reservation with chapter secretary, Ryan Schexnaydre, **by 5:00 PM on Tuesday, August 18<sup>th</sup>, 2015** at [valed1980@gmail.com](mailto:valed1980@gmail.com) or by calling 337-412-1727.

If you don't, you'll still be welcome at the door, so bring your coworkers too!

### Professional Engineering Certification

The subject of this meeting is **NOT** an acceptable activity for continuing Professional Development as defined by LAPELS and is **NOT 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.

## *Upcoming 2015 Events / Speakers...*

- 08/20:** 2<sup>nd</sup> Annual Young (and Young-at-Heart) Professionals' Event at Santa Fe Cattle Co.
- 09/17:** Presentation - Chris Hastings, Petroleum Market Specialist, Philadelphia Mixers at TBD
- 10/15:** October Chapter Meeting - TBD

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 Chair, Stephen Reilly, at [stephen.reilly@prosys.com](mailto:stephen.reilly@prosys.com) to schedule a meeting date and time.

---

## May 2015 Seminar Recap...

---

The recent Multi-Topic Engineering Seminar on May 1, 2015, at the Holiday Inn South conference room in Baton Rouge turned out to be informative and enlightening. Beginning at 8:00 AM, the event commenced with a good tutorial on NFPA-20 terminology regarding fire water pumps. More specifically, information such as the types of pumps, components, drivers, and accessories were mentioned. The next topic in the morning session clarified differences in hot tapping and plugging operations for pipelines. Different sealing mechanisms and realistic comparisons between methods were shown in detail while considering design engineering factors and fleet information. Finally, we were treated to solutions to problems regarding coastal erosion in Louisiana as a historical perspective was combined with a look into the future. Certainly, the economic impact of this coastal vulnerability is significant.

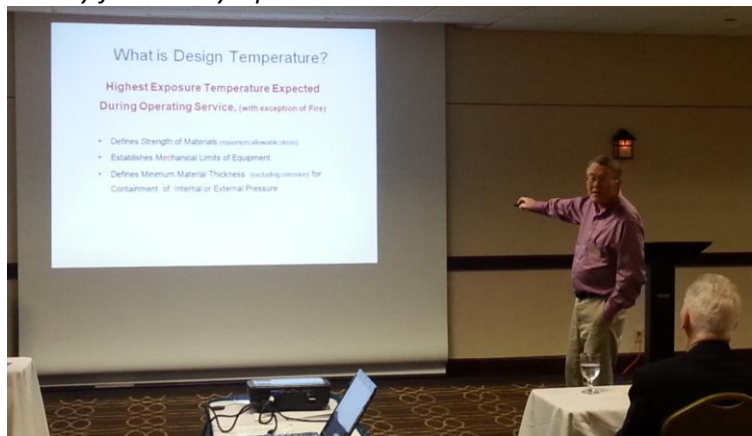
After a break for lunch, the afternoon session kicked off with a tutorial on residential solar power. Specifically, information was presented in terms of how PV systems work, choices for solar design, effects of shade, best practices, and incentives for using solar. Do you need to know how to calculate design temperature for your particular situation? A brief summary of calculations, rules of thumb, assumptions, and impacts of overdesign covered a broad range of engineering design temperature scenarios. The third and final topic of the afternoon session comprised LAPELS rules, laws, and professional conduct as engineering ethics was conveyed as the message. We learned interesting details regarding enforcement procedures, responsibilities of supervisors, and differences between laws and statutes. Many questions were answered, and the session ended near 4:00 PM.

The chapter gives many thanks to the people who prepared presentations for the 6 different topics for this event. The range and diversity of the content made the technical seminar very effective and relevant for audience members. Good practices were demonstrated as information resources were given if answers were not immediately known for questions.

- **Ryan Schexnaydre**, Chapter Secretary



*The attendees were ready for the day's presenters!*



(CHANGE CAPTION HERE)

---

## *From the Chapter Chair's Pen...*

---

"Gratitude unlocks the fullness of life. It turns what we have into enough, and more. It turns denial into acceptance, chaos to order, confusion to clarity. It can turn a meal into a feast, a house into a home, a stranger into a friend," author Melody Beattie once penned.

At the present moment, I have plenty for which I am grateful, as chief among them, I passed my Professional Engineering exam! The support and words of encouragement leading up to the test and since receiving the results that I have received from family, friends, coworkers, and other colleagues has been tremendous. As for the "chaos to order" part, I'm also wrapping up the process of moving into my first townhome, so I'm excited to begin this next phase and finish sorting through all my stuff!

I also continue to be indebted to my fellow officers who have made the spring slate of AIChE events a complete success. Their help in providing speaker topics, coordinating event logistics, and simply assisting me when I've needed them have all been much appreciated so far, and I look forward to working out the fall season of activities with them.

I hope to pay my gratitude forward, and the best way I can think of is by making the 2<sup>nd</sup> Annual Young (and Young-At-Heart) Professionals' Trivia Night this August as an enjoyable way for those taking the Chemical P.E. or F.E. exams in the fall to prepare for it. It'll also double as a unique way for new graduates and transplants to the area to meet fellow chemical engineers and get a sense of the industry presence they have joined. The chapter hopes to have a big crowd at Santa Fe Cattle Company, so we hope you can participate in it!

*Stephen Reilly*

---

## *Coates Award Presentation and Banquet Recap...*

---

Dr. Jayne Garno's presentation focused on high resolution imaging on the nano-scale. Using AFM or atomic force microscopy, her research group focuses to optimize a process known as particle lithography. The process involves building of chemical nano-structures on various substrates such as chips coated with latex type polymers. AFM uses a piezo-electric scanning probe to measure various properties and produce an image of the molecular structure.

Dr. Garno is very proud of her research group and shared accolades of her group's accomplishments and papers as part of the Coates award presentation. It is hopeful that using this technology to build specialized molecules on the nano-scale could be beneficial in the fields of medicine with new drug discoveries. You can learn more about the research at <http://garnogroup.lsu.edu>.

- William Buck, Chapter Vice Chair

During the award ceremony itself, Stephen Reilly presented certificates to the following 50-year members of AIChE: B. Glenn Bryson, Robert Clay, Robert Doerr, David Snyder and John Walker. Dr. John Gajda was awarded one posthumously, accepted by his widow, Ildiko Gajda. The George Lappin scholarship consisting of a certificate and a \$250 check was presented to Robert Quiring, a chemical engineering junior at LSU. The 2015 Best Dissertation Award, also consisting of a certificate and a \$250 check, was presented to Dr. Yuehao Li for his dissertation, *Application of Computational Fluid Dynamics Simulations on Studying the Multiphase Flow in Microfluidic Devices*. A number of awards were also presented by ACS. For photos of the event, make sure to check page 5 of this newsletter!

- Armando Corripio



## Do you have what it takes? Do you want to make a difference?

**Tired of going to the same place each day? Seeking a change in your routine? Make your voice heard – Join us.**

## ProSys is hiring!

We're looking for:

- Experienced chemical / process / control engineers
- Control system (DCS, PLC) experts
- Engineers who challenge themselves and mentor others
- **YOU!**

## No experience in alarm management or control systems? Don't worry.

Process knowledge is your most important asset. Experience with processes in the refining, petrochemical and specialty chemical industry are what we're looking for.

Connect with us:



ProSys is small enough to care, but big enough to make an impact. We assist the industry by optimizing processes, increasing safety and reliability for their plants with our products and services. We do that by hiring the smartest and brightest. Join our team. [Recruiting@ProSys.com](mailto:Recruiting@ProSys.com).

**Maximize your experience.**

**Maximize your process.**

**Maximize at ProSys.**

### About ProSys, Inc.

ProSys, Inc. delivers high-quality, cost-effective, innovative Process Control Systems consulting services and product solutions to the international refining, chemical and petrochemical industries. ProSys' expertise and experience cover the full range of modern control system technology, including basic control, advanced control, dynamic configuration, alarm management and optimization.

---

## *Coates Award Banquet Photos..*

---



*The Coates Award Banquet crowd*



*50-Year Members (L-R: Glenn Bryson, Ildiko Gajda on behalf of Dr. John Gajda, David Snyder, & John Walker) + Chapter officers with the George Lappin scholar (L-R: Bill Buck, Stephen Reilly, Robert Quiring, & Oscar Alfaro)*



*Best Dissertation Award winner Dr. Yuehao Li (R) with his wife, XiaoXia He (L), and Charles Coates + Dr. Jayne Garno (center) and her graduate student researchers*

For more photos, check out our AIChE photo gallery at <http://www.aiche.org/community/sites/local-sections/baton-rouge/photos/58th-annual-coates-award-banquet> today!

# LSU AIChE 2<sup>nd</sup> Annual ChemE Sophomore Camp

The AIChE Chapter at LSU is planning an event on August 20<sup>th</sup> and 21<sup>st</sup> for rising sophomore Chemical Engineering students. This camp will offer workshops designed to introduce the students to ChemE courses and professors, build relationships among peers, connect sophomores to junior and senior LSU AIChE members who will act as mentors, and provide indispensable professional development to the students.



**Please help us  
deliver an  
exceptional  
opportunity!**

We invite representatives from industry to participate in offering mock interviews, resume editing, and giving tips for better networking skills. By signing up to conduct Mock Interviews, your company will receive LSU ChemE T-shirts, a resume book of students attending the camp, and be listed as an official sponsor of Sophomore Camp 2015.

To find out more or to register as a sponsor, please visit our website [www.chemesophomorecamp.com](http://www.chemesophomorecamp.com) or email [aiche@tigers.lsu.edu](mailto:aiche@tigers.lsu.edu).



## ADCO Companies, LTD

proudly sponsors the AIChE Baton Rouge chapter



We are in our third generation and have grown to provide sales, engineering, boiler rentals, ASME code repairs, control systems, HVAC and industrial pumps and many other services.



### ADCO Companies, LTD

20022 LA Hwy 16

Baton Rouge, LA 70726

Phone: (225) 698-3600

E-Mail: [gpresley@adcoboiler.com](mailto:gpresley@adcoboiler.com)

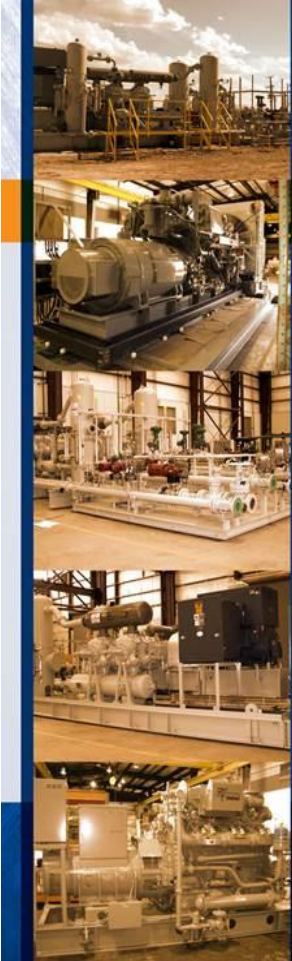
Website: [www.adcoboiler.com](http://www.adcoboiler.com)

Follow us on Twitter: [@adcoboiler](https://twitter.com/adcoboiler)

Like us on Facebook: [www.facebook.com/adcoboiler](https://www.facebook.com/adcoboiler)

ADCO Companies, LTD. began in 1963, as a one-man service operation. We have grown today to be the largest boiler company in Alabama and Louisiana, serving businesses throughout our respective territory and throughout the Southeast.





**HONOR THE PAST  
COMMIT TO THE PRESENT  
CREATE THE FUTURE**

**Reagan Power & Compression  
proudly sponsors the AIChE Baton Rouge chapter!**

*Wherever there is a service need, Reagan Power & Compression has the answer. Through a strong service group, engineering, parts supply and by placing power packages of all types to work throughout the world, Reagan has become a premier provider for over sixty-five years in the Oil and Gas, Utility, Petrochemical and Refining, Marine, Manufacturing and Gas Transmission markets.*



[www.reaganpower.com](http://www.reaganpower.com)

For business inquiries, contact Jason Sowels,  
Business Development Manager,  
by e-mail ([JSOWELS@REAGANPOWER.COM](mailto:JSOWELS@REAGANPOWER.COM))  
or by cell phone (337-962-5867).

**REAGAN**

Power & Compression Since 1946



## 2015 Section Contacts

### Officers

**Chair:** Stephen Reilly, [Stephen.Reilly@ProSys.com](mailto:Stephen.Reilly@ProSys.com)  
**Vice Chair:** William Buck, [William.Buck@Willbros.com](mailto:William.Buck@Willbros.com)  
**Secretary:** Ryan Schexnaydre, [valed1980@gmail.com](mailto:valed1980@gmail.com)  
**Treasurer:** Oscar Alfaro, [Oscar.Alfaro@Jacobs.com](mailto:Oscar.Alfaro@Jacobs.com)

### Executive Committee Members

Glenn Bryson [BGBryson@BellSouth.net](mailto:BGBryson@BellSouth.net)  
 Jimmy Orr [Jimmy.Orr@Jacobs.com](mailto:Jimmy.Orr@Jacobs.com)  
 Noel Ricord [LCNoel55@aol.com](mailto:LCNoel55@aol.com)  
 W. Clark Snyder [WClarkSnyder@hotmail.com](mailto:WClarkSnyder@hotmail.com)  
 Louis J. Thibodeaux [Thibod@LSU.edu](mailto:Thibod@LSU.edu)

### Committees

**Awards:** Dal Dalferes, [Joseph.Dalferes@jacobs.com](mailto:Joseph.Dalferes@jacobs.com)  
**Education:** Donna Bryant, [donna.bryant@syngenta.com](mailto:donna.bryant@syngenta.com)  
**High School Grants:** W. Clark Snyder, [WClarkSnyder@hotmail.com](mailto:WClarkSnyder@hotmail.com)  
**Newsletter:** Armando Corripio, [Corripio@LSU.edu](mailto:Corripio@LSU.edu)  
**Nominations:** Donna Bryant, [donna.bryant@syngenta.com](mailto:donna.bryant@syngenta.com)  
**Public Relations:** Ken Campbell, [kencamp99@yahoo.com](mailto:kencamp99@yahoo.com)  
**Communications:** Brandon Lithgoe, [blithgoe@yahoo.com](mailto:blithgoe@yahoo.com)  
**Professional Development:** Randy Goodman, [Randy.Goodman@LA.gov](mailto:Randy.Goodman@LA.gov)  
**Seminars:** Jimmy Orr, [Jimmy.Orr@Jacobs.com](mailto:Jimmy.Orr@Jacobs.com)  
**Membership:** Glenn Bryson, [BGBryson@BellSouth.net](mailto:BGBryson@BellSouth.net)

### 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.