



# Baton Rouge Newsletter

Year 27, Number 6

[www.aiche-br.org](http://www.aiche-br.org)

February 1, 2017

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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.

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## February Dinner Meeting

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**Date:** Thursday, February 23, 2017

**Place:** Galatoire's Bistro, 3535 Perkins Road, Suite 400, at Perkins Road.

**Speakers:** **Tyson Ducote and Joe H. Harman, P.E.**, Louisiana Engineering and Land Surveying Board

**Topic:** *LAPELS Enforcement Actions and Other Relevant Topics*

**Agenda:** 5:30 PM – Registration and social (Cash Bar)  
6:00 PM – Dinner  
6:05 PM -- Business  
6:15 PM -- Speaker

**Menu:** French onion soup or Salad Maison, choice of Fish Meuniere Amandine with Broccoli Hollandaise or Chicken Clemenceau, Banana Bread Pudding, soft drink, tea, coffee.

**Cost:** \$30 per person (Members \$25, Students \$20, Flood victim members free)

### RESERVATIONS

Please make your reservation with chapter secretary, Chelsea Bourdon, **by 5:00 PM on Monday, February 20th<sup>t</sup>** at [CBourdon@Hargrove-EPC.com](mailto:CBourdon@Hargrove-EPC.com)

Reservations required.

### 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.

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## Other Upcoming 2017 Events / Speakers

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*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, William Buck, at [William.Buck@WinkEngr.com](mailto:William.Buck@WinkEngr.com) to schedule a meeting date and time.*

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## *Tyson Ducote and Joe Harman, February Meeting Speakers*

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Tyson Ducote is the Director of Enforcement for the Louisiana Professional Engineering and Land Surveying Board. He attended Southeastern Louisiana University where he earned a BA in Business Management. He was a Board Investigator with LAPELS for 5 years before becoming the Director of Enforcement in early 2015.

Joe Harman is a Technical Consultant to the Louisiana Professional Engineering and Land Surveying Board in Baton Rouge. He is also President/Managing Member of Joe H. Harman and Associates, LLC in Baton Rouge. Mr. Harman obtained a Bachelor of Engineering in Civil Engineering (1965) and a Master of Science in Environmental and Water Resources Engineering (1972) from Vanderbilt University in Nashville, Tennessee. Mr. Harman is a licensed Professional Engineer in Louisiana (Civil and Environmental), Tennessee, Mississippi, Alabama, and Florida. Mr. Harman was Executive Vice President of Professional Engineering Consultants Corporation (PEC) of Baton Rouge and retired from PEC in 2006 with thirty (30) years of service. Mr. Harman is a retired Navy Civil Engineer Corps Captain. Mr. Harman is a Life Member of the American Society of Civil Engineers and the American Water Works Association. He is a member of the Louisiana Engineering Society/NSPE and the American Council of Engineering Companies of Louisiana (ACEC/L). He is a Fellow of ACEC and past President of the ACEC/L. He is also a member of the Water Environment Federation and the Society of American Military Engineers.

*Peace puts forth buds in the full fruitfulness of Truth.*

***Hildegard of Bingen***

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## *Recap of the February Meeting*

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Dr. Phillip Sprunger of the LSU Department of Physics spoke on the scope and mission of the LSU Superfund project, which deals with the remediation of contaminated sites by digging the soils and incinerating the hazardous hydrocarbons. A detrimental consequence of incineration is the formation of environmentally persistent free radicals (EPFR) which according to Dr. Sprunger are “bad to breathe.” Some EPFRs can last for months in the atmosphere. The presentation focused on the surface chemistry of EPFR stabilization on metal oxide nanoparticles and clays. This included a brief summary of how they probe with electrons, photons, and neutrons, the atomistic details of organic-metal oxide adsorptions/reactions through photo-electronic spectroscopy. The project involves the cooperation of the LSU Physics department and biochemists from the LSU Medical and Veterinary Schools and the University of Tennessee at Memphis.

At the meeting those attending approved the slate of officers of the local section for 2017. The list of contacts has now been updated in this newsletter.

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## *Recap of the 5<sup>th</sup> Annual LSU-AICHE Industry Panel*

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Approximately 40 LSU chemical Engineering students were in attendance to ask questions and listen to the advice of a panel of 11 professionals at the 2017 LSU-AICHE Industry Panel, held on January 26th in Tureaud Hall on the LSU campus. It turns out there were only a couple of seniors in attendance because there was a design project due the next day. (We'll just assume they got their work done early.) After pizza and introductions, the students began firing questions. And they were some good ones. The panel to answer the questions was very diverse. They were from local plants, engineering firms, and academia. Some were seasoned, and others just recently received their degrees. Some had P.E., E.I.T. or PhD at the end of their name. But they all had in common the desire to be there that evening and share stories and words of wisdom with these young eager students they once were themselves. Questions were on the topics of how to land that first job, co-ops and internships, the differences between an industry job and consulting. Panelists urged the students to pursue internships and take the opportunity to ask lots of questions! It was a wonderful evening in which students, and panelists too, learned a lot. The conversation continued for close to two hours! Afterward students had the opportunity to visit with panelists one-on-one. A special thank you to Stephen Reilly for organizing this event, and to the ChemE students at LSU for hosting and for their excellent participation.

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## *From the Chapter Chair's Pen*

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Another page has turned and we are now in a new year! 2017! Have you been able to move past writing 2016 yet? Bill Buck has done a great job over the last year and I wish to give him a round a applause...he certainly deserves it.

I was fortunate enough to moderate the industry panel last week and was pleased that we had a large turnout. If I can stress just one word for this year, it is INVOLVEMENT! If you are a student, there is also a place for you to participate and be involved in the local section. We would love to have you come to the monthly meetings where you can socialize with your peers, learn about application of concepts in the classroom and translate them to real world applications in industry and, above all, where you can NETWORK. If you are in industry, I hope I can encourage you to get involved in your local professional organization. The local section has so much more to offer than just a place on your resume. If you are a professional engineer or hope to become one, we have all of the above for you and additionally a cost effective way to earn those all-important PDHs. I encourage all of you to come out for the meeting in February and see what you have been missing. Tyson Ducote will, I am sure, provide an informative and important discussion that is relevant to all of you. I look forward to meeting you there.

*Clark Snyder, 2017 Chair*



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## 2017 Section Contacts

### Officers

**Chair:** W. Clark Snyder, [WClarkSnyder@hotmail.com](mailto:WClarkSnyder@hotmail.com)  
**Vice Chair:** Donna Bryant, [Donna.Bryant@Syngenta.com](mailto:Donna.Bryant@Syngenta.com)  
**Secretary:** Chelsea Bourdon, [CBourdon@Hargrove-EPC.com](mailto:CBourdon@Hargrove-EPC.com)  
**Treasurer:** Jimmy Orr, [Jimmy.Orr@Jacobs.com](mailto:Jimmy.Orr@Jacobs.com)

### Executive Committee Members

Glenn Bryson [BGBryson@BellSouth.net](mailto:BGBryson@BellSouth.net)  
Noel Ricord [LCNoel55@aol.com](mailto:LCNoel55@aol.com)  
Armand Melikyan [AMelikyan@Hargrove-EPC.com](mailto:AMelikyan@Hargrove-EPC.com)  
William Buck [William.Buck@WinkEngr.com](mailto:William.Buck@WinkEngr.com)  
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### Committees

**Awards:** Dal Dalferes, [Joseph.Dalferes@jacobs.com](mailto:Joseph.Dalferes@jacobs.com)  
**Communications:** Brandon Lithgoe, [BLithgoe@Yahoo.com](mailto:BLithgoe@Yahoo.com)  
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**Nominations:** Parul Patel, [Parul\\_Prpatel@yahoo.com](mailto:Parul_Prpatel@yahoo.com)  
**Professional Development:** Randy Goodman, [Randy.Goodman@LA.gov](mailto:Randy.Goodman@LA.gov)  
**Seminars:** open  
**Sponsorship:** Stephen Reilly, [Stephen.Reilly@Prosys.com](mailto:Stephen.Reilly@Prosys.com)

### **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.



## Wink Engineering, LLC

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**Wink Engineering  
and  
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proudly support the AIChE**

**and congratulate Baton Rouge Chapter President,  
William D. Buck, P.E.**

**Forged from the Past. Engineered for the Future.**