

# AIChE Baton Rouge Fall Seminar

**Fundamentals of Agitation, Gulf Coast Petrochemical Economy,  
Certified Process Safety Professional, Mascoat Insulation Coating,  
Design Pressure Basics, Engineering Ethics Overview**

Friday, November 11, 2016  
8:00AM – 4:00PM

**Location: Oak Lodge Reception & Conference Center** (new)  
2834 S. Sherwood Forest Blvd. Suite E-1 Baton Rouge, Louisiana 70816, (225) 291-6257

**Earn 7 PDH's! Enrollment is Limited! Sign-Up Early!**

## **REGISTRATION FORM**

**NEW!** Register online at [www.aiche-br.org](http://www.aiche-br.org) and pay by credit card using PayPal, or mail this completed form with payment to the address below.

**NAME:** \_\_\_\_\_

**MAILING ADDRESS:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**COMPANY:** \_\_\_\_\_

**EMAIL:** \_\_\_\_\_ **PHONE:** \_\_\_\_\_

**TECHNICAL/PROFESSIONAL SOCIETY MEMBERSHIP\*:** (must indicate) \_\_\_\_\_

**COST:**  \$85/person for Tech/Prof Society Members\* prior to 06-Nov-16  
(Please check appropriate box)  \$95/person for non-Tech/Prof Society Members prior to 06-Nov-16  
 \$110/person for all after 06-Nov-16

**MAIL COMPLETED REGISTRATION FORM TO:**

(Please include check if that is your payment option)  
Check or cash only, no credit cards on event day  
Walk-ins welcome space permitting.

Oscar Alfaro (Treasurer)  
1124 W Lakeview Dr.  
Baton Rouge, LA 70810  
Email: [Oscar.Alfaro@Jacobs.com](mailto:Oscar.Alfaro@Jacobs.com)  
Phone: (818) 642-8003

\*The AIChE supports membership in Professional and Technical Societies (see list below)

Refund Policy: Advance registration is 100% refundable with notice at least 12 days prior to the date of the seminar. Notice received between 01-Nov-16 and 10-Nov-2015 is 50% refundable. No refunds on day of the seminar.  
Cancellation: AIChE reserves the right to cancel this seminar if low attendance is projected. A full refund will be sent in this event.

## Baton Rouge Section November 11, 2016 Seminar

7:00 AM – 8:00 AM: REGISTRATION & BREAKFAST SNACKS

8:00 AM – 9:50 AM: MORNING SESSION

### Fundamentals of Agitation from a Mixing Solutions Provider

Evan Walters (Philadelphia Mixing Solutions)

The presentation will cover the basics of fluid mixing. These fundamentals drive the development of optimized in-tank mixing solutions. An overview of the presentation includes the following topics:

#### Principal Mixing Duties

- Blending / Heat Transfer
  - Newtonian
  - Non-Newtonian
- Solids Suspension
  - Solids / Liquid
  - Solids Dissolution
  - Solids Addition
- Dispersion
  - Liquid/Liquid
  - Gas/Liquid

#### Mixing Duty and Impeller Definition

#### Scale Up

#### Mechanical Design Basics

#### Question and Answers

#### About the presenter:

**Evan Walters** is the Business Development Manager for Philadelphia Mixing Solutions Ltd., with focus on Top Entry Chemical/Petrochemical applications. Evan has a BS in Mechanical Engineering from Wilkes University. He has 10+ years of experience in the field of fluid mixing. This experience includes Application Engineering, Project Management, Warranty Committee member, on-site commissioning/start-up assistance, and inside sales team management of high specification type projects. Evan recently moved from the head office in Palmyra, Pennsylvania to Houston, Texas to better support the Gulf coast region.

**10:00 AM – 10:50 AM: MORNING SESSION**

## **Gulf Coast Petrochemical Economy**

Greg Upton, PhD (LSU Center for Energy Studies)

The petrochemical manufacturing industry has shaped the history of the Gulf Coast's economy. With the advent of shale oil and gas as well as the removing of the crude oil export ban, a number of potential opportunities and risks for this industry have emerged. This lecture will focus on the petrochemical manufacturing sector's importance to the Gulf Coast economy and provide insight into the economic viability of future industrial development.

### About the presenter:

**Gregory T Upton, PhD** is Assistant Professor at the Center for Energy Studies, Louisiana State University. His research interests are related to the analysis of economic and public policy issues on energy and the environment. Dr. Upton is also a Research Associate at Acadian Consulting Group (ACG), for which he has four years experience in supporting expert analysis of economic, statistical, and public policy issues in energy and regulatory industries. During his tenure at ACG, Dr. Upton has worked on more than 20 regulatory cases in more than 10 states. He has worked on a wide range of issues including the impact of utility rate increases on economic output, the distributional effects of different types of utility rate designs, economic impact of new infrastructure programs, benchmarking analysis, economic valuation, and estimating the tax impact of large environmental disaster. Dr. Upton holds a Ph.D. in Economics from LSU where he also received both an M.A. in economics and a B.S in economics with a concentration in empirical analysis. He is a member of professional organizations such as the International Association of Energy Economics (IAEE), American Economic Association (AEA), and the Southern Economic Association (SEA).

**11:00 AM – 11:50 AM: MORNING SESSION**

## **CCPS Certification Process for Certified Process Safety Professional**

Florine Vincik (BASF Geismar)

Over the past 30 years, CCPS has focused its global efforts in four key areas:

- Promoting process safety among industry leaders as a key business value,
- Serving as the leading and authoritative resource for process safety,
- Advancing and developing the Body of Knowledge (BOK) of process safety, and
- Educating professionals and supporting process safety education in universities.

CCPS now plans to leverage its efforts in the last two areas by establishing a professional credential – the Certified Process Safety Professional (CPSP). The CCPS certification process will evaluate the applicants' knowledge across the process safety Book of Knowledge (BOK), which over the past 30 years has been defined largely by CCPS, as well as DIERS, another AIChE Technical Entity. The BOK has CCPS's Guidelines for Risk Based Process Safety at its core and is supported by dozens of other CCPS books and supplemented with key standards developed by a number of organizations. The process of evaluation will be based on both career experience and assessment via a rigorous test. Successful certificants will then maintain their knowledge and expertise through a range of continuing professional development activities, including courses, conferences, committee participation, teaching, and others.

When hiring or planning the career development of a certificant, employers and those hiring consultants will have evidence that the CPSP they are evaluating has developed a basic level of experience in process safety and the certificant is committed to advancing his or her abilities.

This presentation will describe the process involved to become a Certified Process Safety Professional

### About the presenter:

**Florine Vincik** has 30 years of chemical manufacturing experience in process, project, production, management, and now process safety. Bachelor of Science in Chemical Engineering (LSU), Master of Business Administration (SELU), Certification as both a Safety Professional (ASSE) and Process Safety Professional (CCPS). Provides the Engineering/Business/Safety '*trilogy*' ideal for consulting with stakeholders about EHS and business risks as well as evaluating solutions. Co-author for AIChE's Center for Chemical Process Safety (CCPS) process safety guidance handbooks: *Risk Based Decision Making Tools*, *Guidelines for Siting a Facility*, *Combustible Dusts*, and peer review of *Enabling Events and Conditional Modifiers for LOPA* and *The Student Handbook for Process Safety*. Member of the Greater Baton Rouge AIChE and ASSE Chapters...Geaux 'Safety' Tigers!

**12:00 PM – 1:00 PM: LUNCH**

**1:00 PM – 1:50 PM: AFTERNOON SESSION**

### **Mascoat Insulation Coating**

Robert Browning (Mascoat- Houston)

- History of Insulation Coatings
- General Overview of Mascoat
- Type of Coatings & Benefits of Each
- Case Histories
- Best Practices
- Questions / Answers

About the presenter:

**Robert Browning** is the Territory Manager for Eastern North America & the Caribbean for Mascoat Thermal Insulating Coatings. He is NACE CIP Level 2 Inspector, #51473. Also, a Certified General Contractor in FL. Robert has 15+ years in the coating industry. He has been successful from the supplier & contractor side of the industry. Prior to Mascoat, Robert operated R. Browning Enterprises, Inc. and was the V.P. of ICRI the SW Florida Chapter. Most recently he spoke at the NISTM Convention and the 24<sup>th</sup> annual Multi-Topic Engineering Seminar.

**2:00 PM – 2:50 PM: AFTERNOON SESSION**

### **Design Pressure Basics**

Jimmy Orr (Jacobs Engineering)

- How to identify Maximum Operating Pressure
- Acceptable Pressure Margins
- Piping Design
- Questions / Answers

About the presenter:

**Jimmy Orr** has worked 40+ years in the Gulf Coast Chemical Industry. His experience includes Plant Operations, Project Management, and Detailed Process Design. Jimmy is currently a Group Leader for Safety Valve validations at Jacob Engineering (Baton Rouge). He is a graduate from Univ. of Houston (BChE 1974) and Texas A&M (MChE 1978).

**3:00 PM – 4:00 PM: AFTERNOON SESSION**

### **Engineering Ethics Overview**

Richard Savoie, P.E. (LAPELS Deputy Executive Director)

- LAPELS Board and Staff
- Enforcement & Compliance
- Ethical Issues
- Quiz
- Supervising Professionals
- Common Questions

About the presenter:

**Richard Savoie** is the Deputy Executive Director for the Louisiana Professional Engineers and Land Surveyor's Board (LAPELS). He has served in the position since April 2015. He also served one term as a Board Member from 2007 to 2013.

**Note: Some topics may change without prior notice.**

**Notice: Full day registration only. Registration fees will not be reduced for half day attendance. Attendance signatures will be required at the beginning of each presentation. PDH (Professional Development Hour) certificates will be issued based upon attendance list signatures, with Hours reflecting actual attendance. Fees will not be reduced or partially refunded for partial attendance.**

**\*\*\*Morning and Afternoon Sessions each to include two or three 10 min. breaks (not shown) \*\*\***



**(Map to Oak Lodge (2834 S.Sherwood Forest Blvd. Baton Rouge, LA 70816)**



“Oak Lodge” is a little bit hard to find

**Please Reference the next Map to Find “Oak Lodge” in the Local Area**









## Local Professional Societies

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- Louisiana Engineering Society (LES)
  - Louisiana Society of Professional Surveyors (LSPS)
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## National Technical Societies

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- America Academy of Environmental Engineers (AAEE)
- American Institute of Architects (AIA)
- American Institute of Chemical Engineers (AIChE)
- American Institute of Electrical Engineers (AIEE)
- American Consulting Engineers Council (ACEC)
- American Concrete Institute (ACI)
- American Institute of Steel Construction (AISC)
- American Management Association
- American Iron and Steel Institute
- American Society of Mechanical Engineers (ASME)
- American Plywood Association (APA)
- American Society of Civil Engineers (ASCE)
- American Society of Engineering Education (ASEE)
- American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)
- American Society of Safety Engineers (ASSE)
- American Wood Council (AWC)
- Earthquake Engineering Research Institute (EERI)
- Institute of Transportation Engineers
- Institute of Electrical and Electronics Engineers (IEEE)
- Instrumentation Systems and Automation Society (ISA)
- National Council of Examiners for Engineering and Surveying
- National Design Specification (NDS)
- National Society of Architectural Engineers
- National Society of Professional Engineers (NSPE)
- Society of Petroleum Engineers (SPE)
- Society of Petroleum Evaluation Engineers (SPEE)
- Society of Professional Well Log Analysts (SPWLA)
- Society of Women Engineers (SWE)
- Air & Waste Management Association (AWMA)