



Baton Rouge Newsletter

Year 29, Number 1

www.aiche-br.org

September 1, 2018

September meeting speaker	2
Recap of the Coates Award Banquet	2
From the Chapter Chair's Pen	3
2018 Section Contacts	4
Candidates requested for 2019 Officers	5
November 9 Seminar Registration	6-11

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.

September Meeting

Date: Thursday, September 20, 2018

Place: King's Buffet, 6230 Bluebonnet Blvd.

Topic: *Canned Motor Pumps*

Speaker: **Keith Yutzy**, Teikoku USA, Inc.

Agenda: 5:30 – Social
6:00 – Dinner, Speaker

Menu: Complete Chinese Buffett, Sushi, Soft drink or Tea.

Cost: \$20 per person (\$15 for members, \$10 for students).

Notice the new reservation procedure. When you register on the web page you can pay in advance by Pay Pal or credit card or choose to pay by cash or check at the door.

RESERVATIONS

Make your reservation and pay on-line **by 5:00 PM on Wednesday, September 19** at <https://www.aiche.org/community/sites/local-sections/baton-rouge/events/september-2018-meeting> or pay by cash or check at the door.

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.

Other Upcoming 2018 Events / Speakers

Fri Nov 9 Solids Handling and Cooling Tower Seminar + Ethics, *Cowne Plaza*, 8 PDHs

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, Donna Bryant, at Donna.Bryant@Syngenta.com to schedule a meeting date and time.

Keith Yutzy, September Meeting Speaker



Keith Yutzy is the Houston Operations, Aftermarket and Field Service Manager for Teikoku USA Inc. and is responsible for the entire Teikoku USA Aftermarket business including sales of parts and service, setting customer-centric standards for three company owned Service Centers and one authorized facility and provision of field service, operator and maintenance personnel training, commissioning and start-up assistance for all Teikoku and Chempump products. Mr. Yutzy has been involved in the application, service and marketing of both sealless mag drive and canned motor pumps for 27 years and process pump Aftermarket service for 39 years. Mr. Yutzy has held various positions of increasing responsibility with Johnston Pump Co., Klaus Union Inc. and Teikoku USA Inc. In his primary role directing new project start-up assistance, Mr. Yutzy has assisted in numerous field start-ups of canned motor pumps in chemical processing and thermal oil systems utilizing sealless pumping technology and developing an unparalleled expertise and industry reputation.

Recap of the Coates Award Address



In his Coates Address Jimmy Orr presented how the work place for our profession has changed in the last forty years. He said that the most significant change has been the introduction of Process Safety Management brought about by the Bhopal disaster in 1984 which resulted in OSHA 1910.119 regulations. He briefly discussed the HAZAN and HAZOP procedures, management of change, and safety audits.

The second major change in chemical engineering Jimmy says was the development of 3-D computer imaging and laser scanning. He described how the CADD revolution, circa 1980, replaced the ruler and pen with the computer mouse for generating drawings and process and instrumentation diagrams (P&IDs). This was followed around 1990 by 3-D plastic models that were still very much manually generated. Eventually laser scanning (LS) came into the picture allowing very precise interactive computer models of the equipment in 3 dimensions. With LS it is possible to generate a precise isometric drawing suitable for fabrication that even includes the bill of materials, all generated by the computer.

Jimmy finished by cited various developments including the standardization of software packages, the electronic mail revolution, and corporate social media.

In all it was a most enjoyable and informative presentation.

Expect to succeed even before you start. All winners, no matter what their game, start with the expectation that they are going to succeed. Winners say, "I want to do this, and I can do this," not "I would like to do this, but I don't think I can."

--Dennis Waitley

From the Chapter Chair's Pen

Happy (almost) fall everyone! With all the summer weather we are having, it is hard to believe that we are starting back up with AIChE activities. Before we officially hit off the semester with our September meeting, several of our members helped the LSU AIChE student chapter review their resumes before the LSU career fair. Thank you to all our members that volunteered to help! We have a wide variety of topics for the monthly meetings and an exciting agenda already set for the fall seminar. Our **September 20th meeting** will be given by Keith Yutzy from Teikoku USA about **canned motor pumps** while Marc Froeyen from Steamloc International will be presenting at our **October 25th meeting** about **venture orifice steam traps**. Save the date! Our **fall seminar** will be **November 9th**. It will cover solids handling, cooling towers, and ethics.

One thing that we will be trying out this semester is online sign up and payment for our meetings. You can do this by going to our online site (<https://www.aiche.org/community/sites/local-sections/baton-rouge>), and clicking the link under the meeting. You will be able to pay via credit card and RSVP online until 2 days before the meeting. Check it out and let us know your opinions about it. Registration and meeting payments will continue to be taken at the door by our section Treasurer, Jimmy Orr.

We have a team that will represent the Baton Rouge Section at the AIChE Beer Brewing competition this year at the Annual AIChE Meeting going to be held in Pittsburg, PA at the end of October. The Beer Brewing competition is a new Young Professional Committee and Local Section co-sponsored competition where teams, composed of at least two local section members, one member under 35 years old, can brew up to 3 types of beer, and send the beer to the Annual meeting to be tested by beer tasting professionals. The competitors also must create a poster to showcase how they made the beer and complete a mass balance for the system. This is the second year that this competition will be held- last year there were over 21 teams! Stay tuned to the newsletter for updates on how our team's brewing is going and how they do in the competition. See you at the one of our section events!

Donna Bryant, 2018 Chair

Resumé Review with LSU Student Chapter



A few members of the AIChE Baton Rouge section, volunteered to review resumes for the LSU AIChE Chapter on October 6th to get them prepped for the career fair the following week. Thank you to Stephen Reilly, Maria Dillard, Brandon Lithgoe, Jennifer Clark, and Donna Bryant for volunteering! There were over 30 students who benefited from your advice and comments.

2018 Section Contacts

Officers

Chair:	Donna Bryant, Donna.Bryant@Syngenta.com
Vice Chair:	Vishal Vora, VVVora@Gmail.com
Secretary:	Chelsea Bourdon, CBourdon@Hargrove-EPC.com
Treasurer:	Jimmy Orr, Jimmy.Orr@Jacobs.com

Executive Committee Members

Glenn Bryson	BGBryson@BellSouth.net
Noel Ricord	LCNoel55@aol.com
Armand Melikyan	AMelikyan@Hargrove-EPC.com
William Buck	William.Buck@WinkEngr.com
W. Clark Snyder	WClarkSnyder@hotmail.com

Committees

Awards:	Dal Dalferes, Joseph.Dalferes@jacobs.com
Communications:	Brandon Lithgoe, BLithgoe@Yahoo.com
Education:	Erick Flores, EFlore5@LSU.edu
High School Grants:	W. Clark Snyder, WClarkSnyder@hotmail.com
Membership:	Glenn Bryson, BGBryson@BellSouth.net
Newsletter:	Armando Corripio, Corripio@LSU.edu
Nominations:	Noel Ricord, LCNoel55@aol.com
Professional Development:	Randy Goodman, Randy.Goodman@LA.gov
Seminars:	Armand Melikyan, Armand_Melikyan@hotmail.com
Sponsorship:	Stephen Reilly, Stephen.Reilly@emerson.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.

150 years

 - **BASF**
We create chemistry

Candidates Requested for 2019 Section Officers

Candidates for the following section vacancies are being solicited through 31 October 2018: Vice-Chair, Secretary, Treasurer and Executive Committee Member. However, at the annual Election Meeting, nominations may also be taken from the floor. Only members of AIChE and the section in good standing are eligible to hold office.

Voting for the Candidates shall take place at the section's annual Election Meeting (November 2018) meeting and their installation will take place at the section's Annual Meeting (December 2018).

Duties -

Vice-Chair: In absence of the Chair, shall preside at all meetings of the section. The Vice-Chair serves as the Chair of the Program Committee which makes arrangements (topic, speaker, location, food and time) for eight (8) or more monthly meetings (September through May). Term of office is one (1) year, then serve as Chair for one year and then serve on the Executive Committee for two years.

Secretary: In absence of the Chair and Vice-Chair, shall preside at all meetings of the section. The Secretary shall keep a record of the proceedings of the Section and issue a report to the Institute (i.e., National AIChE), outlining the activities of the Section during the year. The Secretary shall coordinate section meeting attendance with the Treasurer (e.g., receiving individual e-mail reservations). After the annual election (i.e., December meeting), the Secretary shall forward the names of the officers and members of the Executive Committee to the Institute. Term of office is one (1) year.

Treasurer: In absence of the Chair, Vice-Chair and Secretary, shall preside at all meetings of the section. The Treasurer shall keep a financial record of the Section. The Treasurer shall be charged with the collection and disbursement of funds (e.g., collection of meeting credits and debit payments) as authorized by the Chair or the Executive Committee. Mid-year and end of year financial reports shall be prepared for the Executive Committee (essentially automated). Term of office is two (2) years.

Executive Committee Member (elected): Provides guidance, recommendations and opinions at Executive Committee meetings. Former section officers usually best candidates to fill this position. Term of office is three (3) years.

Candidacy Submittal: Should you desire to be nominated for one of the vacancies, please submit your name and, if desired, qualifications by e-mail to LCNOEL55@aol.com (Noel Ricord) not later than 31 October 2018.

Candidates will be listed in November issue of our section's newsletter.

AIChE Baton Rouge Fall / 2018 Seminar

Solids Handling & Cooling Tower Seminar

+ Engineering Ethics

November 9th, 2018

MORNING SESSION: Solids Handling Equipment & Technologies

Topic Description

Design Fundamentals for Solids Handling

This presentation will begin with the theory and basics of solids handling from an engineer's perspective. Solids handling basics will be covered including important engineering design parameters used in design including: angle of repose, particle size distribution, particle shape factors, cohesiveness of solids handled, etc. The presentation will address basic questions such as: 1) if or when solids can be treated like a fluid for flow design 2) can or when solids can be pumped vs conveyed, etc. Next, an overview of the common solids handling technologies will be provided including pneumatic conveyance: dilute phase and dense phase, mechanical conveyance, and gravity flow conveyance systems. The presentation will conclude with the latest technologies and equipment available for solids handling: rotary air-lock valves (vented/not-vented); conveyors; instrumentation, automation & controls, and turn-key solids handling equipment systems. Emphasis will be provided on the common difficulties of instrumentation for proper controls in solids handling processes including level measurement techniques (latest).

AFTERNOON SESSION: Cooling Tower Fundamentals & Design Overview / Engineering Ethics

Topic Description

Design Fundamentals for Solids Handling

This presentation will begin with the theory and basics of cooling towers including psychrometrics and the basic design parameters used in cooling tower design such as the relative humidity and wet bulb temperature. Design of cooling towers is provided with a discussion of the general limitations of cooling towers for temperature range, approach, cycles, loss, drift, and blowdown (manual and continuous). The discussion of open vs closed cooling systems is provided. Next, a discussion of the evaluation of a cooling tower's efficiency and performance is provided including the Cooling Tower Institute (CTI) Standard STD-202 which encourages cooling tower capacity of 100% or better. The presentation continues on to the different types of cooling towers, fill types, distribution, fan optimization, flow control valves, strainers and filters, and other ancillary equipment. The presentation concludes with an overview of actual installations and addresses problems incurred and problems resolved.

Engineering Ethics

A Presentation on Engineering Ethics*

*This presentation will be LAPELS On-Line Ethics Quiz

Solids Handling & Cooling Tower Seminar
+ Engineering Ethics

Friday, November 9, 2018
8:00AM – 5:00PM

Location: Crowne Plaza Executive Center
4728 Constitution Ave, Baton Rouge, Louisiana 70808, (225) 930-0114

Earn 8 PDH's! Enrollment is Limited! Sign-Up Early!

REGISTRATION FORM

NEW! Register online at 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 04-Nov-18
(Please check appropriate box) \$95/person for non-Tech/Prof Society Members prior to 04-Nov-18
 \$110/person for all after 04-Nov-18

MAIL COMPLETED REGISTRATION FORM TO: Armand Melikyan (Seminar Coordinator)
(Please include check if that is your payment option) P.O. Box 84787
Check or cash only, no credit cards on event day Baton Rouge, LA 70884
Walk-ins welcome space permitting. Email: armand_melikyan@hotmail.com
Phone: (225) 773-0468

*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 31-Oct-2018 and 08-Nov-2018 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.

**EVENT: Solids Handling & Cooling Tower Seminar (7 PDHs);
+ Engineering Ethics (1 PDH)**

DATE: November 9th, 2018

PROPOSED AGENDA:

- 7:30 A - 8:00 AM Breakfast**
- 8:00 A –11:30 AM Solids Handling (BME, HorizonPSI)**
- 11:30 A – 12:30 PM Lunch (provided by AIChE)**
- 12:30 P – 4:00 PM Cooling Towers (Evaptech/Fischer)**
- 4:00 P – 5:00 PM Engineering Ethics (N. Ricord)**

Presenters:

Thomas Meade – Chief Executive Officer, Bulk Material Equipment (BME)
Email: thomas@bulkmaterialequipment.com | Phone: (214) 601-2577 |
www.bulkmaterialequipment.com

1333 W. McDermott, Suite 200 | Allen, TX 75013

[Mr. Thomas Meade – President and CEO Bulk Material Equipment \(BME\)](#)

[Thomas holds an B.S. degree from Texas A&M focused on Industrial Supply Chain. He has 20+ years of bulk material handling, processing, storage and air pollution control equipment as well as professional engineering, construction and fabrication experience in wide variety of industries. He owns and operates an industrial manufacturers rep agency that covers the states of TX, OK, LA and AR with a primary focus is on dry bulk solids. Thomas will be discussing general mechanical conveying techniques as well as the latest technologies in point and continuous level control instruments.](#)

Todd Baker – Vice President of Engineering, HorizonPSI

Email: tbaker@horizonpsi.com | Phone: (785) 766-6962 | www.horizonpsi.com
1101 Horizon Drive, Lawrence KS 66046

[Mr. Todd Baker, Vice President of Engineering / HorizonPSI](#)

Email: tbaker@horizonpsi.com | Phone: (785) 766-6962 | www.HoirzonPSI.com

[Todd holds a B.S. Degree in Engineering from the University of Nebraska. He has 33 years of bulk material handling experience with extensive application of pneumatic conveying systems in many industry applications. His experience includes 15 years of direct sales and application experience in conveying, weighing and feeding, dust collection and system integration. Todd is responsible for all phases of design, product/process development and project management for HorizonPSI. He has extensive application experience in dilute phase and dense phase conveying systems. As a current member of the NFAP 652 Fundamentals of Combustible Dust committee he is involved in assisting customers with decisions to comply with the current combustible dust standards.](#)

Steve Fischer – President, Fischer Equipment, Ltd.

Email: stevef@fischerequipment.com | Phone: (985) 900-2444

2000 Preserve Lake Drive, Suite A | Covington, LA 70433

Mr. Steve Fischer has 30 years of experience as a sales representative for various heat transfer equipment manufacturers. Fischer Equipment has been in business since 1937. Primary equipment focus is on Cooling Towers, Boilers, Water Treatment (boiler feed systems) & Fired Heaters. In the area of cooling towers, Steve has worked with Engineering Consultants & Owners to repair, upgrade, replace and install new cooling towers in process & comfort applications. Steve's focus has been on customers in the Chemical, Petroleum, Power & Paper industries.

Noel J. Ricord, P.E., F.A.I.Ch.E. – Retired, AIChE BR Sect Committee Member

Mr. Noel Ricord has 40+ years of experience in the Gulf Coast Chemical Industry. He is currently retired, but has worked for DuPont (North Carolina), Ormet, BBECI, RPM, ENGlobal, Plant Engineering Services, Global Environmental Solutions, Inc. and CB&I. He is a 1969 BSChE graduate from Tulane University and holds a MBA degree from East Carolina University. Noel served in the USAF and the Louisiana Air National Guard and was a commander of the 236th Combat Communications Squadron.

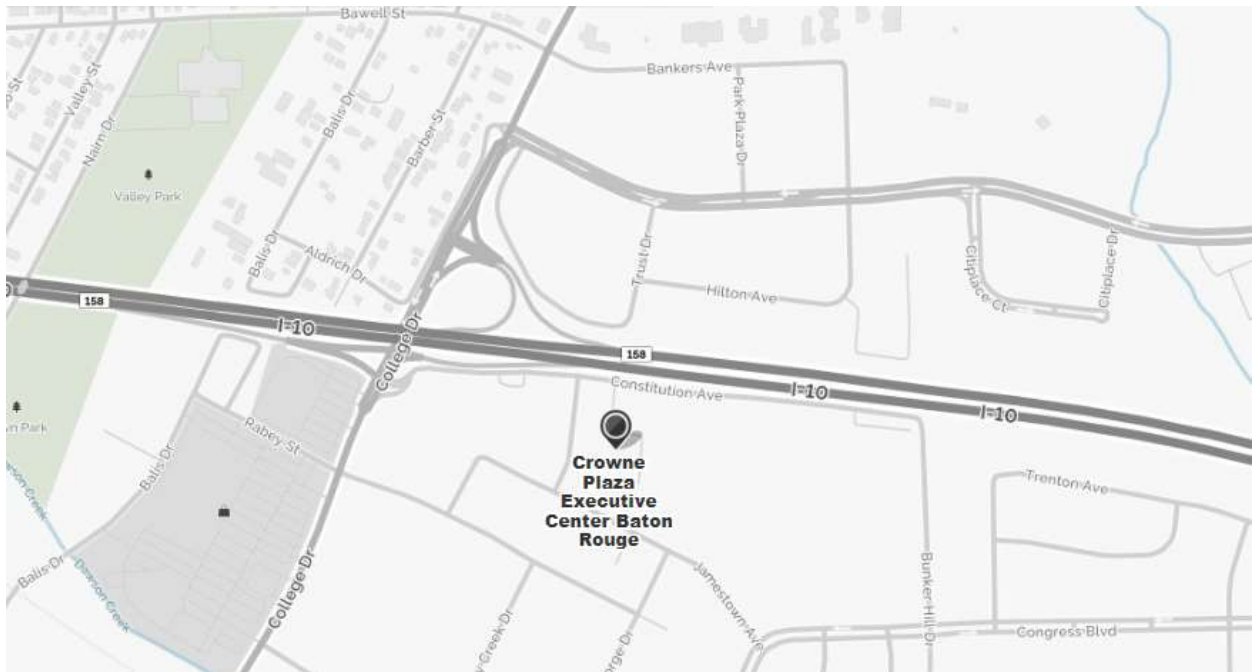
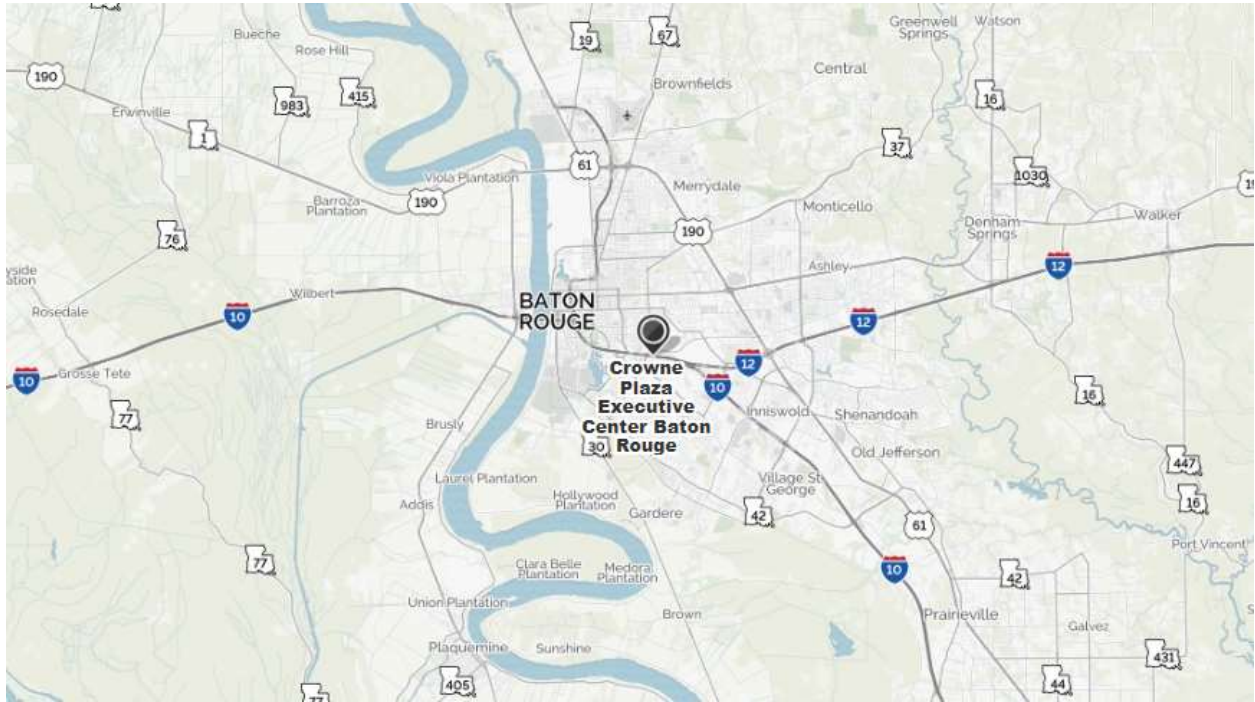
The morning session will cover fundamentals and latest technologies on solids handling including instrumentation and packaged systems. The afternoon session will cover the latest on cooling towers including the Cooling Tower Institute (CTI) Standard STD-202 which encourages cooling tower capacity of 100% or better. The seminar concludes with a presentation on Engineering Ethics (1 PDH).

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) *****

(Maps to the Crowne Plaza 4728 Constitution Ave, Baton Rouge, Louisiana 70808)



Local Professional Societies

- Louisiana Engineering Society (LES)
- Louisiana Society of Professional Surveyors (LSPS)

National Technical Societies

- 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)