

The South Texan



Thursday, January 12, 2017

Monthly Meeting @ Brady's Landing
([8505 Cypress St. Houston, TX 77012](#))

6:00PM - 7:00PM Social/Networking Time
7:00PM - 8:00PM Dinner
8:00PM - 9:30PM Dinner Presentation/Speaker

[Register](#) for the monthly dinner meeting!
Check us out on [YouTube](#)!

January Dinner Meeting

Dinner Speaker: Julie D. White, SIS-TECH.

Title: *Improving Operational Resilience Using Dynamic Simulation*

Abstract: Resilience is the ability to recover from or adjust easily to change. Operational resilience within a chemical plant or refinery can be defined as the capacity for adapting the process and its underlying control systems, people practices and technologies to counter entropy.

Tools and practices are advancing at a fast pace presenting opportunities to improve operational resilience. Utilizing these tools and practices proactively identifies and corrects daily process issues with the intent to intervene prior to escalation to process safety near misses or incidents. The fundamentals of process troubleshooting will be presented as well as multiple facets of dynamic simulation.

Dynamic simulation can be used to gain understanding of a process's behavior under transient and non-steady state conditions. Process response to hard trips or abnormal events can be studied. Advanced uses of dynamic simulation include supporting safety controls, alarms, and interlocks (SCAI) lifecycle activities, such as setpoint selection, response time estimation, and Independent Protection Layer sequence timing. Operational resilience is improved when there is confidence that correct response to SCAI will occur in the correct order and time. For example, the process needs to respond to manual safety alarms prior to initiating safety instrumented systems; and those prior to pressure relief devices.

Bio: Julie D. White is a Senior Loss Prevention consultant with SIS-Tech Solutions responsible for the engineering application of dynamic process simulation and supporting risk management practices. Ms. White has over 20 years of process and process safety engineering experience in the Petrochemical, Polyolefins, Offshore and Subsea industries.

Ms. White has experience in process troubleshooting and optimization, start up and product development support for major debottleneck projects. She has expertise in major accident and incident investigation, developing process safety practices and leading teams tasked with design hazard management responsibilities.

Ms. White is published in Catalyst Today and has given ten presentations at industry symposia such as the AIChE GCPS, AIChE SW PTC, and ISA Process Control and Safety Symposium.

Ms. White has an B.S. in Chemical Engineering and Petroleum Refining from Colorado School of Mines and an M.S. in Chemical Engineering from Louisiana State University.

Ms. White is a member of the Mary Kay O'Conner Process Safety Center's Steering Committee, AIChE CCPS SChE, DIERS, and AIChE STS.



Inside this issue:

| | |
|--|-------|
| Meeting Details | 2 |
| Letter from the Chair | 3-4 |
| 2017-2018 Election Results | 5-6 |
| Awards | 7-11 |
| Volunteer Appreciation Dinner | 12 |
| 2017 Meeting Schedule | 13 |
| Season Pass | 14-15 |
| Upcoming Event Info | 16-17 |
| STS First Friday Networking Program | 18 |
| Young Professionals | 19 |
| Call for Volunteers | 20-21 |
| Company Liaison Program | 22 |
| Contact Information Subscribe/Unsubscribe | 23 |

Workshops - NONE

There will be no workshops this month. Workshops will resume in February 2017

Meeting Registration Information

Membership in STS-AIChE is a bargain at \$20/year. If you wish to become a member, you may join at the registration desk at the meeting.

| | Pre-Registration | Onsite |
|------------|------------------|--------|
| Member | \$25 | \$35 |
| Non-Member | \$35 | \$40 |

NOTE: Please bring your receipt. You have until 4PM CST on January 11th, 2017 to pre-register online. After that, you will be required to pay the higher cost at the door.

Meeting Location— Brady's Landing



This month's meeting will be held at Brady's Landing (8505 Cypress St, Houston, TX 77012).

Double-click on the image to the left for directions from your location. For more details and information, please check our [website](#).

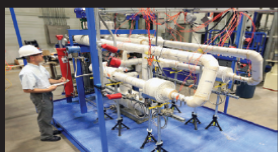
MITIGATE HEAT EXCHANGER FOULING

HTRI engineers use state-of-the-art technology to provide companies with contract fouling services:

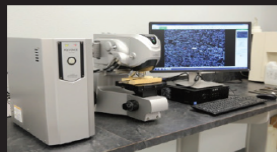
- Measure the fouling propensity of a crude
- Evaluate the benefits of anti-foulant additives
- Assess the impact of production additives
- Compare the fouling potential of different crudes or blends
- Estimate fouling thresholds for temperature and velocity
- Evaluate the impact of metallurgy

Companies have relied on HTRI research for decades to keep their heat exchangers running longer, cleaner, and more efficiently.

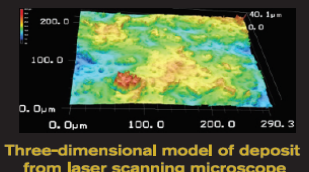
Contact us to learn how we can help:
contracts@htri.net



One of three fouling research rigs



HTRI's laser scanning microscope



Three-dimensional model of deposit from laser scanning microscope

HTRI
Heat Transfer Research, Inc.
+1.979.690.5050
www.htri.net

January 2017 STS-AIChE Chair's Letter – David Rosenthal

Dear Fellow Members of South Texas Section of the American Institute of Chemical Engineers,

Welcome to our new year 2017 and let me start by wishing you and your family every success in the coming year. I look forward to my role as your Chair for the AIChE STS in 2017. For those who are not familiar with my background, I served as your National President in 2012. My “career” with AIChE spans over 20 years with roles as the Delaware Valley Section chair, Programming Committee Chair, Meeting Program Chair New Orleans 1996, National Board member, and the National Treasurer. I bring a wealth of experience to the role but more importantly an understanding of what our members are looking for in their professional home for chemical engineering.

Let me congratulate Syamal Poddar and his Executive Committee on a successful 2016 year. The programs and activities carried out by our local section were truly valued by our membership. Our officers for 2017 are: Syamal Poddar – Past Chair, Carlos Salamanca – Chair Elect, Chaitanya Gottimukkala – Secretary, Yurika Diaz Bialowas – Treasurer. Our executive committee members include: Sanjay Sharma- Position 1 (Education), Sheena Reeves - Position 2 (Outreach), Kevin Allen- Position 3 (Communication) and Thomas Rehm – Position 4 (Human Resources).

My focus is all about bringing value to every member of our section no matter how they interface with our organization. My first order of business was to establish a strong dinner meeting program for 2017. I am pleased to announce that on January 12 at Brady's Landing, Julie D. White who is a Senior Loss Prevention consultant with SIS-Tech Solutions responsible for the engineering application of dynamic process simulation and supporting risk management practices with speaking on Improving Operational Resilience Using Dynamic Simulation. I know she will provide a very informative talk and I hope you will come out to support her.

I have also begun to arrange dinner meeting topics for 2017. So far our schedule will feature:

January - Improving Operational Resilience Using Dynamic Simulation

February - The Oldest Bioreactor - Wastewater Treatment

March - Port Of Houston Authority

April - Energy Forum - Engineers in Government

May - Good Engineering Practice for Emergency Relief System Design

September - Process Safety

October- Southwest Process Technology Conference Dinner

November- Water Forum - Houston Subsidence District

I am committed to “spreading” our meeting locations around Houston throughout the year.

Are you missing meetings because you forget to register? Do you look forward to seeing your colleagues each month? Do you enjoy the topics we discuss each month? I urge you to sign up for the Season's Pass for 2017. It is a great way not to forget to register and save money at the same time. We have not increased the price and kept it at \$149 for eight meetings. Your pass provides you eight meetings for the price of seven! So go to our website and sign up! You can even sign-up at our January 12th meeting!



January 2017 STS-AIChE Chair's Letter – David Rosenthal

Our section also provides value in many other ways to our members. We are committed to assisting those looking for work with networking meetings throughout the year. These meetings will provide guidance in resume design, taking interviews and hearing experiences from your colleagues. Announcements of dates and location will be made throughout the year. Our Dinner meetings also provide you with an opportunity to network to find a new career experience.

Value for our section is provided by the outreach we provide to other groups in the Houston area such as Young Professionals (YP), K-12, and college students. We will be conducting a college night at the February dinner meeting so bring your college or high school student to the meeting. Our YP group will be arranging their events including their monthly happy hours. We also look forward to our YP's attending our Dinner meetings where they meet with our "very" experienced members.

We are truly fortunate in our section to have colleagues with years of experience. It is important that we continue to recognize these individuals through our 50 year recognition and other awards. Tom Menn and Tom Rehm do an excellent job ensuring these individuals are recognized.

I got involved in AIChE early in my career to practice skills I needed in my job such as public speaking, writing, organizing and program creation. I urge all those considering helping out your local section to contact me to take advantage of this opportunity to expand your skill base by participating in local section activities. Any member can attend our Executive Committee meetings held on the second Thursday of each month to volunteer to help.

I closing, I again take this opportunity thank our Chair and his Executive Committee for an excellent 2016 program. I look forward to meeting each of you at an AIChE STS event.

David Rosenthal
2017 Chair
AIChE STS

Election Results: 2017-2018 Executive Board

Congratulations to our newly elected members of the STS-AIChE 2017/2018 Board of Directors!!!

Chair-Elect: Carlos Salamanca
Treasurer: Yurika Díaz Bialowas
Position 1: Sanjay Sharma
Position 3: Kevin Allen

Chair Elect (2017) / Chair (2018) / Past Chair (2019)

Carlos Salamanca

Carlos is the current STS-AIChE Treasurer for 2015 and 2016. He has been an active member of the STS AIChE Young Professionals Board serving as Secretary, Treasurer, Vice-Chair and Chair. He also has represented AIChE with the Offshore Technology Conference (OTC) events including OTC Houston, Arctic Technology Conference, OTC Brasil, and OTC Asia in different roles. Carlos is also active with Toastmasters, Society of Petroleum Engineers (SPE), and the Project Management Institute (PMI) Houston Chapter. He has held several positions through different oil and gas projects. Carlos has been working with oil companies in Latin America with focus on Brazil, Colombia and Mexico. Carlos earned a BS in Chemical Engineering from the Universidad Nacional de Colombia, and received an MBA from the Bauer College of Business at the University of Houston. Carlos holds a PMP (Project Management Professional) certificate from the Project Management Institute, and an Engineer-In-Training (EIT) certificate from the Texas Board of Professional Engineers.



Treasurer for 2017-2018

Yurika Díaz Bialowas

Yurika Díaz Bialowas is a Senior Technical Support Engineer at Chemstations Inc, where she troubleshoots simulations using CHEMCAD Suite software, provides support to clients' needs regarding engineering principals, process simulation, heat transfer, thermodynamics, installation, and licensing. Yurika earned her BS in Chemical Engineering from the University of Calgary in Calgary, Alberta Canada. She has been an active member of AIChE since 2009.



Position 1 (Continuing Education) for 2017-2018

Sanjay Sharma

Sanjay Sharma is a Senior Principal Consultant with Honeywell. He has over 35 years of experience in all aspects of Real-time optimization and Advanced Process Control. He has been with Honeywell for over 26 years. Prior to Honeywell, Sanjay worked for Shell Oil USA for 8 years. Currently, Sanjay is a member of the Advanced Process Control and Real-time Optimization technical and marketing support team at Honeywell. Sanjay has been an active member of AIChE for over 27 years. Sanjay serves on the AIChE's Ethylene Producers Conference's Process Control subcommittee. Sanjay is author of over 10 technical papers and holds 2 patents.



Election Results: 2017-2018 Executive Board

Position 3 (Communications) for 2017-2018

Kevin Allen

My name is Kevin Allen. I graduated in May 2015 from the University of Texas at Austin with a B.S. in Chemical Engineering. While at the University of Texas I worked as an undergraduate research assistant at the J.J. Pickle Research Campus for Dr. Eldridge. I worked on research projects involving divided wall columns and reactive distillation. I am currently looking for employment in chemical engineering. My technical interests include controls, process engineering, separations, and numerical methods. Outside of my job search, I enjoy camping, hiking, tennis, trying different craft beers, and hanging out with friends. Currently, I am the photographer for the Young Professionals meetings and I am seeking the position of Communications Officer for the South Texas Section.



STS-AIChE Annual Awards

STS Member(s) Honored for 50 Years of AIChE Membership



Tom Menn displays his Certificate of Recognition for 50 Years of AIChE Membership. Shown with Tom are (from left) AIChE Board of Directors Secretary Freeman Self, STS Human Resources Director Tom Rehm and 2016 STS Chair Syamal Poddar (R).

Tom received his BS in chemical engineering in 1966 at the University of Texas. Tom is an AIChE Fellow and Life Member.

He started his career in 1966 with Sinclair Refining. Sinclair merged with Atlantic Richfield and then spun off Lyondell Petrochemicals Company in 1985, which then entered into a joint venture with PDVSA, to form the Lyondell – Citgo Refining Company. Tom retired from Lyondell – Citgo Refining in 2003. While Tom had many different assignments at the Houston Refinery, his favorite assignment was planning, evaluating, & justifying the 1974 Refinery Crude Expansion at the Refinery, and the ARCO Chemical Co. Ethylene Plant at Channelview, as a single project, as well as coordinating the design and installation of the Utility, Merox Unit, and Light Ends Offsite Piping for the Expansion.

Tom has been a long time very active member of the South Texas Section. His volunteer work in the AIChE began early. In his student chapter at the University of Texas, he was the Treasurer in his senior year. He was on the Executive Committee of the South Texas Section in 1971. In 1974, Tom was the General Arrangements Chair at the AIChE National Spring Meeting. In 1977, Tom was the South Texas Section Treasurer. In 1980, he was the Chair. For almost three decades, Tom has been the STS Awards Chair. For four decades, he has organized our volunteers at the Offshore Technology Conference.

Tom has received numerous AIChE Awards. I've listed three. In 1971, he received the South Texas Section Outstanding Young Member Award; in 1983, the Section's Distinguished Service Award; and in 2008, the E.L. Ekholm Distinguished Leadership Award.

Tom and wife Barbara have 4 children and 8 grandchildren. Tom enjoys fishing, hunting, woodworking, genealogy, and of course being very active in our South Texas Section.

Awards

AICHE – YPC's “35 UNDER 35” AWARD

AIChE and the Young Professionals Committee will be highlighting 35 outstanding AIChE members under the age of 35 who have made significant contributions to the field of Chemical Engineering and AIChE. Nominees can have made contributions through any of the 7 broad categories: Safety, Leadership, Innovation, Energy, Chemicals, Bioengineering, and Education.

For more details, see the link:

<http://www.aiche.org/community/awards/aiches-35-under-35-award>

There is a link at the bottom of the page for downloading a MS Word version of the “35 Under 35” Nomination Form. It is possible to use an On-Line Nomination form but given that some of the information may be lengthy (500 word Maximum for five (5) questions), it may be desirable to complete the form and send it attached to an e-mail. The STS Awards Committee will also provide a modified copy of the Nomination Form.

Nominations are due January 30th, 2017.

Contact aiche35under35@gmail.com with any questions.

Award Categories: (35 Awards to 35 YP's ~~ 7 categories)

Bioengineering
Chemicals
Education
Energy
Innovation
Leadership
Safety

Deadline: January 30, 2017

Award Administrator: Young Professionals Committee (YPC)

Qualifications: AIChE Member & STS Member
Born on or after January 1, 1983

Special Requirement: Letter of Recommendation from someone other than nominator.

Recipient Recognition:

- \$500 prize
- Recognized at an awards reception at the 2017 AIChE Annual Meeting in Minneapolis, MN (October 29 - November 3, 2017)
- Profiles highlighted in the Institute and chemical engineering community (online, in CEP Magazine, etc.)

Contact: Tom Menn for additional information and modified “35 Under 35” Nomination Form at: thomasmenn@SBCGlobal.net

Awards

It's Awards Time!

It is once again time to nominate an STS member for the 2016 South Texan Section Annual Awards:

- Outstanding Young Professional Award
- Distinguished Service Award
- Best Fundamental Paper
- Best Applied Paper Award

For requirements of each award, visit the web page: <http://sts.aiche.org/content/awards>

The page provides a sum-mary of the awards, and contains links to more detailed descriptions of each award.

To nominate a member for an award, complete the online form at the web page:

<http://sts.aiche.org/content/award-nominations>

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If you prefer the printed form, print out the forms from the next two pages.

NOTE: All 2016 Awards Nominations must be received by May 1, 2017!

Awards

South Texas Section – AIChE 2016 Annual Awards Nomination Form

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 1, 2017 TO BE ACCEPTED!

Mail the completed form to:

| | | | | |
|----------------------------|----|----------------------------------|----|-------------------------------|
| Thomas E. Menn | Or | Ryan Stephens, PhD | Or | Matt Christiansen, PhD |
| Awards Chair | | Best Papers Judging Chair | | Best Papers Judging Co-Chair |
| P. O. Box 458 | | Shell Global Solutions (US) Inc. | | Shell Projects and Technology |
| Pearland, Texas 77588-0548 | | Technology Center | | |
| | | 3333 Highway 6 South | | |
| | | Houston, Texas 77082 | | |
| Tel.: 281-485-3719 | | Tel.: 281-544-8447 | | Tel: 281-544-6476 |

ThomasMenn@SBCGlobal.net

Ryan.Stephens@shell.com

Matthew.Christiansen@shell.com

Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AIChE & STS Membership is verified. All Best Paper Nominees not Members of AIChE or STS may wish to join STS or STS and AIChE until May 31, 2016 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.

NOTE: ONLY ONE PERSON OR PAPER MAY BE NOMINATED PER FORM!

NOMINATOR'S NAME: _____

ADDRESS:

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

I wish to nominate _____

(Enter Name of Nominee or Title of Paper on the above line.)

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME: _____

ADDRESS:

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

TYPE OF NOMINATION: (PLEASE CHECK ONLY ONE SPACE BELOW.)

2016 STS Outstanding Young Professional Award (*Under age 35*) _____

2016 STS Distinguished Service Award (*Over age 35*) _____

2016 STS Best Fundamental Paper Award _____

2016 STS Best Applied Paper Award _____

For STS Outstanding Young Member or Distinguished Service Awards, please state the reason you feel that this person is deserving of this award back of this form and ignore the rest of the form. You may attach any supporting documentation to this form.

For Best Paper Nominations, please continue and complete page 2 of this form.

Awards

Please enter the name of the 2016 Best Paper again:

(Sorry to trouble you but this is in case the sheets get separated.)

Enter the contact Author's name again:

(Sorry to trouble you but this is in case the sheets get separated.)

FOR BEST PAPER NOMINATIONS, LIST THE NAMES OF THE AUTHORS AND CHECK ALL BLANKS THAT APPLY:

MEMBERSHIP

Note: At least one (1) author must be a STS Member. AICHE STS

Co-Author # 1: _____

Co-Author # 2: _____

Co-Author # 3: _____

Co-Author # 4: _____

Co-Author # 5: _____

Co-Author # 6: _____

Co-Author # 7: _____

Co-Author # 8: _____

Co-Author # 9: _____

[Add addition Authors on an attached sheet as necessary.]

For Best Paper Nominations, please provide following information:

NAME OF PUBLICATION: _____

DATE OF PUBLICATION: _____

VOLUME NO. (If known): _____ PAGES: _____ to _____

PLEASE ATTACH A COPY OF THE ARTICLE FROM THE PUBLICATION TO THIS FORM OR IF THIS IS NOMINATION IS TENDERED BY E-MAIL, PLEASE ATTACH AN ELECTRONIC VERSION OF THE PUBLISHED ARTICLE.

Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AICHE & STS Membership is verified. All Best Paper Nominees not Members of AICHE or STS may wish to join STS or AICHE and STS until May 31, 2017 in order to be eligible for the recognition due a STS – AICHE Member Best Paper Award Recipient.

STS 2016 Volunteer Appreciation Dinner

On December 20th the STS honored those who have volunteered their time to the section. This included office holders entering and leaving their respective positions.



STS-AIChE 2017 Monthly Dinner Meeting Schedule

| Date | Location | Meeting Details (Speaker/Company/Topic) |
|---------------|-----------------|--|
| January 12 | Brady's Landing | Julie D. White, SIS-TECH. <i>Improving Operational Resilience Using Dynamic Simulation</i> |
| February 2 | Brady's Landing | The Oldest Bioreactor - Wastewater Treatment |
| March 2 | Brady's Landing | Port of Houston Authority <i>State of the Port, Global trade, and Environmental Stewardship</i> |
| April 6 | Brady's Landing | Energy Forum <i>Engineers in Government</i> |
| May 4 | Pelazzio | Good Engineering Practice for Emergency Relief System Design |
| September 7 | Pelazzio | Process Safety |
| October 12-13 | Moody Gardens | SPTC TBD |
| November 9 | Pelazzio | Water Forum - Houston Subsidence District |

South Texas Section-American Institute of Chemical Engineers (STS-AIChE) Season Pass

The STS-AIChE Season Pass for the 2017 technical monthly dinner meetings is being offered for \$149. Please visit the STS-AIChE website to signup (<http://sts.aiche.org/content/2017-season-pass>).

The STS-AIChE Season Pass offers the convenience of a single sign-up and single payment for all eight technical meetings in the 2017 season. The meetings included are the January through May and September through November technical monthly dinner meetings. The December Social meeting is not included in the Season Pass. Season Pass holders also get priority sign-up for all special events. The schedule of topics and venues will be posted on the website (sts.aiche.org) once finalized.

Season Pass holders are recognized as patrons on the STS-AIChE web site and in our newsletter. This is a great way to show your support for your section at no additional cost. Season Pass holders will be issued a permanent name tag – no need for sticky paper name tags. Your fellow members will recognize you as a patron and regular attendee.

Season Pass holders have a significant savings when comparing the on-site cost of the dinner meetings. They also save the hidden costs of multiple transactions and tracking the payments and reimbursements, if applicable.

STS-AICHe 2017 Season Pass

General Comments

The STS-AICHe Season Pass offered the convenience of a single sign-up and single payment for all eight technical meetings in the 2017 season. Season Pass holders also received priority sign-up for all special events.

Season Pass holders are always recognized as patrons on the STS-AICHe website and in our newsletter. This is a great way to show your support for your section at no additional cost. Season Pass holders are issued a permanent name tag – no need for sticky paper name tags. Your fellow members will recognize you as a patron and a supporter of your profession.

Season Pass holders receive a significant savings when comparing the on-site cost of the dinner meetings. No need to continue to monitor when meeting registrations are open. Save the hidden costs of multiple transactions and tracking the payments and reimbursements, if applicable.

Frequently Asked Questions (FAQ)

As a Season Pass Holder do I need to register for each dinner meeting?

No, there is no need to register or RSVP for the individual meetings once you have made your payment to become a Season Pass holder. We do however ask that you sign-in at the registration table during the day of the event at the meeting venue.

What if I cannot attend a dinner meeting?

Guests and visitors are always welcome. Feel free to send someone else in your place and just let them know at the door of the substitution.

What if I cannot attend the meeting and cannot find a substitute?

Even the most dedicated members cannot make every meeting. The season pass is priced assuming that you will miss a meeting. If you can provide at least a one week notice, by e-mailing the Chair-Elect at sts_chairelect@aiche.org, we can give you a guest pass for the next meeting. That way, you can invite your boss to the next meeting to see what you missed!

I am a big supporter of the section, but I don't want my name posted all over the web. Can I opt-out of the publications?

Yes, just let us know and we will not put your name on our list so that you can continue to fly under the radar. You always have the option of hand writing a name tag.

Will I still get in if I forget my name tag at home?

Yes. We keep a master sign-up list at the door. Patrons are at the top of the list!

I normally sign up in advance. Am I still saving money?

Yes. The Season Pass is eight meetings for the price of seven. You will also save the time and effort of multiple payments.

STS-AIChE 2017 Season Pass

2017 STS-AIChE Patrons

| Name | Affiliation |
|----------------------|--|
| Dale Embry | ConocoPhillips |
| Yurika Díaz Bialowas | Chemstations Inc. |
| David Rosenthal | Reliability Strategy and Implementation Consultancy, LLC |
| Erin Green | |
| Gary Miller | Air Liquide |
| George Redd | S&B Engineers |
| George Vourazeris | Air Liquide Industrial U.S. LP |
| Gus Georgetown | Stress Engineering Services |
| Irvin Osborne-Lee | |
| Jack Chosnek | KnowledgeOne |
| Jeffrey Melland | Melland Consulting LLC |
| Matt Kolodney | TCEQ |
| Morgan Reed | |
| Ravindra Saxena | |
| Sheena Reeves | |
| Syamal Poddar | Poddar & Associates |
| Thomas E Menn | |
| Thomas Rehm | TERehm Consulting LLC |
| Travis Fixmer | Huntsman |

Upcoming Events Information

January First Friday Networking Lunch

Welcome to the First Friday Networking Lunch in 2017!

January's networking lunch will be held on Friday, January 6th from 11:30AM - 1PM at the Café on the Lake in the Omni Hotel at Westside (13210 Katy Freeway, Houston, TX 77079). The Café lunch menu ranges from \$8 to \$15, and the South Texas Section will subsidize this event by \$5 per attendee.

During this lunch session, Dr. Paul Jukes and Carol Jukes from The Jukes Group will be joining us and speaking on Professional & Personal Leadership. They will cover everything from the importance of goal setting, being intentional about personal and professional development, the importance of continuing to attend seminars, commitment to self-growth in preparation for the next opportunity etc.

Both Carol & Paul are successful entrepreneurs with a proven global track record in growing companies and people and are committed to sharing their learnings with others.

Everyone is welcome! Register at the link below.

<http://www.aiche.org/community/sites/local-sections/sts/forms/january-2017-first-friday-networking-lunch-registration>



2017 OTC

2017 Offshore Technology Conference – Head's Up! The 2017 OTC will take place May 1 to 4 at NRG Park, Houston, TX. Volunteers will receive a Free OTC Pass*, complimentary parking* with in/out privileges, and all the free goodies/junk you can carry away! In return, OTC Volunteers agree to attend an Orientation Meeting & serve 4 or 5 hours in either Arrangements, Registration, or Student Tours. (* Pass & Parking are good for entire OTC.)

More information will be provided in February 2017. For any questions, contact Tom Menn

thomasmenn@SBCGlobal.net



Upcoming Events Information

PE Refresher Course Open Until January 6th

The STS-AIChE & the University of Houston will sponsor a Chemical Engineering Professional Engineering Review Course, Spring of 2017.

Exam Date in 2017 are April 21.

The course will be held at UH from 4:00 to 7:00pm on Friday afternoons beginning January 20 through April 7. The cost for the course (not including books) is \$875 for non-members, \$650 for members of both National AIChE and STS-AIChE. We have continued to update the curriculum based upon feedback from the students over the past three course offerings.

Contact Dale Embry at dembry@uh.edu or 832-815-1552 for more information.

Texas Board of Professional Engineers (TBPE)

National Council of Examiners for Engineering and Surveying (NCEES):

Books used in the course: Study Materials can be found at <http://ppi2pass.com/> & www.ncees.org

Chemical Engineering Reference Manual for the PE Exam ISBN-10:1-59126-007-8 NCEES PE Exam Chemical Sample Questions and Solutions ISBN:978-1-932613-52-0

Reminder: December 9, 2016 is the PE Application Deadline: http://www.engineers.texas.gov/lic_app.htm

Check our website page “PE Refresher Course Offered Spring 2017” for more information.

STS First Friday Networking Program

On November 4, 2016, the South Texas Section held its first First Friday lunch in this new networking program. Another lunch was held on December 2, and another is planned for January 6.

If you want to improve your employment situation, or if you are established in industry either on the management ladder or technical ladder and wish to provide advice to our members who want to improve their employment situation, please join us at the Omni Hotel Westside on the first Friday each month, 11:30-1:00. The STS subsidizes all attendees at \$5 per attendee.

On December 2nd, Rita Obey, a recruiter with Recruiting Source International, spoke to a lunch group of 34. On January 6th, Dr. Paul Jukes and Carol Jukes from the Jukes Group will join us and speak on Professional & Personal Leadership.

All credit goes to Debra McCall and Mengchuan Li for initiating, planning, and coordinating this networking program. If you have any questions, please contact STS Human Resources Director, Tom Rehm, at tom@tomrehm.com or 832-331-6491.



STS-AICHe YP

Calling all young professionals! Get involved and participate in happy hours, planning meetings, and other fun activities! Check out the new [STS-AICHe YP website](#) for more information.



Planning meeting at Olive Garden



YP at Chuy's for happy hour.
The happiest hour is
5 o'clock...somewhere.

K12 Outreach Volunteers

AICHE and STS are working to start up K12 outreach programs. We are encouraging STS members to attend various local outreach events and report back to STS and AIChE on their experience. We are encouraging STS members to report back to Matt Kolodney (mkolodne@tceq.state.tx.us) with one-page descriptions of their K12 outreach experiences, what worked well and what didn't. These will be reviewed locally and passed on to the AIChE National K12 program. Some local K12 opportunities are listed below.

HUNSTEM web site: <http://hunstem.uhd.edu/> Already has a wide range of educational resources for use by interested teachers and volunteers. AIChE (national) is encouraging cooperation with organizations such as HUNSTEM.

IEEE http://www.ieee-houston.org/Committees/SAC/Brochure_IEEE%20Houston_7_Oct_2007.pdf This ongoing Houston Area program assists local schools with teacher training demonstrations.

SEFH <http://hunstem.uhd.edu/SEFH/> Science and Engineering Fair of Houston

Houston Museum of Natural Science (<http://www.hmns.org>) has ongoing outreach programs and could use more volunteers.

The Houston Children's Museum (<http://www.cmhouston.org>) also has outreach programs.

For more information, contact Matt Kolodney (713-471-8956) or mkolodne@tceq.state.tx.us.

PE PDH Hours Qualified!!

The Texas Board of Professional Engineers (TBPE) will allow up to 3 continuing education hours per year for K-12 outreach activities, but only under certain circumstances. The STS K-12 coordinator checked this with the TBPE staff in Austin. STS-AICHE sponsors K-12 outreach presentations to high school classes (career day for example), science fair judging, explaining engineering careers to teachers (who will pass the information on to students), sponsored tours for students and teachers at OTC, and one-on-one counseling of students. TBPE prefers a certificate from the sponsoring organization (such as STS) explaining what was done, stating the number of PDH hours, and certifying that the engineer actually participated. If you participate in an STS-AICHE K-12 outreach event and want PE PDH credit, the STS will provide the certificate.

Call for Volunteers Official Greeters

The STS is looking for two volunteer official greeters, one a young professional and one chronologically mature. Their goal is to greet first-time attendees (or members who haven't attended for a while) of monthly meetings, to help them feel comfortable and welcome, tell them a little about the STS and the meeting, and to introduce them, as needed, to our regular attendees. We are looking for volunteers who:

- Frequently attend monthly meetings (arriving by would help)
- Get along with most people
- Are reasonably acquainted with the STS-AICHE and its members, though we can help with that will briefly point out a potential benefit or two of active involvement in STS-AICHE

Our monthly meetings occur on a Thursday after work, and may already have put in a 40+-hour week. An ideal volunteer would enjoy dealing with new attendees and would become energized rather than tired out by dealing with people they don't already know well.

More Volunteer Opportunities

In STS-AIChE, we have an opening for a K-12 volunteer. Instead of you having to reinvent the wheel, we can help you with any of the following:

- Advice on how to get started productively;
- The opportunity to attend K-12 events of other organizations, in order to learn how to conduct an AIChE K-12 outreach event;
- Networking opportunities to get contacts in local school systems;
- Assistance in recruiting STS volunteers;
- Conducting intersociety activities to help your programs reach critical mass;.
- Help in conceiving and developing a K-12 outreach program suitable for STS-AIChE to lead.
- Opportunities to develop and practice your interpersonal skills and to learn and practice leadership

STS Membership Committee Members seeking members who would be interested in some or all of the following:

- Identify the varied opportunities for STS volunteers
- Greet first-time attendees—help them feel welcome introduce them to other STS members
- Contact them periodically—encourage them to come back
- Encourage them to gradually get involved in STS
- Gradually get to know the new members first-timers and their interests
- Suggest STS volunteer activities that interest them & help them grow
- Encourage them to practice their leadership and their project management skills in service to the STS
- A great opportunity to develop your people skills & leadership skills by helping develop those capabilities in the STS and its members

Volunteer opportunity helping represent STS-AIChE at ECH (Engineering, Science, and Technology Council of Houston): Seeking a volunteer who would like to network with and learn from members of other professional societies, develop leadership skills, and help provide broader volunteer opportunities for STS members. Options include:

- Work with ECH councilors from other local engineering and science, societies, as well as officers of the other member societies;
- Learn how they run their organizations, and bring some of their ideas back to STS-AIChE
- Participate in intersociety workshops on technical issues that affect the Greater Houston Area
- Get involved in the organization of the regional science fair;
- If you are interested in a particular type of volunteer activity, we'll help you organize intersociety activities in that area
- If you're a YP, we can help you organize intersociety YP events that STS-AIChE doesn't have the critical mass to conduct on our own;
- Your learnings from ECH could be very helpful to you as a future manager at work or as a future leader in STS and AIChE

If you are interested, or would like further information, contact: Matt Kolodney, STS Volunteer Recruiter at (713-471-8956) or matthew.kolodney@tceq.state.tx.us

South Texas Section Corporate Liaison Program

The intent of the program is to have a liaison contact at companies in the region that employ a large group of Chemical Engineers, so that the liaison can pass on information on upcoming events, and encourage attendance at STS-AIChE Events.

This program will make it easier for Chemical Engineers to learn about meetings and events that may interest them, and by providing a “personal touch” and intra-company networking opportunity, overcome potential fears or objections to participating. The program will also provide a potential opportunity for employees to be recognized as leaders within their company.

Responsibilities and benefits are listed in the table below.

| STS-AIChE | Liaison | Company |
|---|---|---|
| Responsibilities | | |
| <ul style="list-style-type: none"> ✦ Provide meetings and events ✦ Maintain list of liaisons ✦ Send out special emails to liaisons ✦ Advertise program and recognize liaisons and companies | <ul style="list-style-type: none"> ✦ Forward STS-prepared emails to department/group ✦ Create meeting invitations for coworkers ✦ Try to set up carpools where able ✦ Attend meetings where possible ✦ Interface with Company Management on STS activities and sponsorship opportunities (as applicable) ✦ Provide feedback to STS Officers on company interests and comments | <ul style="list-style-type: none"> ✦ Support the liaison ✦ Advertise where applicable |
| Benefits | | |
| <ul style="list-style-type: none"> ✦ Higher attendance ✦ Better corporate relations | <ul style="list-style-type: none"> ✦ Personalized Nametag for meetings ✦ Demonstrated leadership within company ✦ Increased networking ability within corporation ✦ PDH credits/technical education | <ul style="list-style-type: none"> ✦ Recognition at meetings ✦ PDHs / education for employees ✦ Networking/team building opportunities |

In early 2016, Travis Fixmer, a Process Optimization and Design Engineer with Huntsman Performance Products, developed an intranet website which promotes our Section and its activities within Huntsman. He offered to be a resource to individuals who would like to do the same. If you would like to promote our Section, Travis can provide you with guidance on how to proceed.

Others in our section send intra-company emails promoting the South Texas Section. This can be easily done by simply forwarding the STS monthly meeting notice email to employees in your company.

There is no cost for liaisons or companies to participate. Participation as a liaison is completely voluntary, and companies can transition to a new liaison or end their participation at any time.

If you have any questions, please contact STS Human Resources Director, Tom Rehm, at tom@tomrehm.com or 832-331-6491.



South Texas Section AIChE

STS-AIChE
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2017 Officers and Contact Information

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Volunteers

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Awards: [Tom Menn](#)
Membership: [David Silarski](#)
Webmaster: [Phil Purpich](#)
Young Professionals: [Morgan Reed](#)

SOUTH TEXAS SECTION MISSION STATEMENT

As a section of AIChE, we serve chemical engineering professionals in the South Texas region through education, professional development, and networking.

Vision 2017

We will become an organization with strong and active membership. We will accomplish this through:

1. Increasing awareness
2. Improving relevancy of our programs
3. Improving our governance
4. Hospitality/Welcome/Social

— SUBSCRIBE/UNSUBSCRIBE INFORMATION —

Our newsletter subscription list is by invitation only.

Subscribe: Click on the following link: [Subscribe](#).

Unsubscribe: Click on the following link: [Unsubscribe](#). Your email address will be removed from the subscriber list.

— MAINTAIN YOUR CONTACT INFORMATION WITH STS —

Maintain your contact information with the South Texas Section using the online community: <http://www.aiche.org/>

Contact the AIChE for PERMANENT ADDRESS CORRECTIONS:



<http://www.aiche.org/contact/form>



1-800-AIChemE (1-800-242-4363)



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The South Texan Newsletter Crew

WHAT DO YOU THINK OF THE NEWSLETTER? We want to know!

Contact us at sts-newsletter@aiche.org with comments, questions, suggestions, and ideas for next month.

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