

The South Texan



Thursday, February 7, 2019

Monthly Meeting @ Holiday Inn Intercontinental Airport

[15222 John F Kennedy Blvd, Houston, TX 77032](#)

5:30PM - 6:30PM Workshops

6:00PM - 7:00PM Social/Networking Time

7:00PM - 8:00PM Dinner and STS Announcements

8:15PM - 9:00PM Dinner Presentation/Speaker

Check us out on [YouTube!](#)

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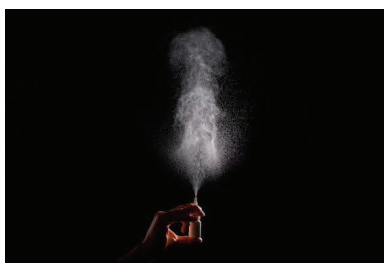
February Dinner Meeting

Dinner Speaker: Andrew Smith, Sympatec

Title: *Advances in Lab and Process Particle Characterization*

Abstract: There are many different kinds of disperse systems - powders, granules, fibers, suspensions, emulsions or aerosols. Depending on size and shape of the particles, they show different behaviors as a result of their physical properties. But what do they all have in common? They determine the quality of your final product.

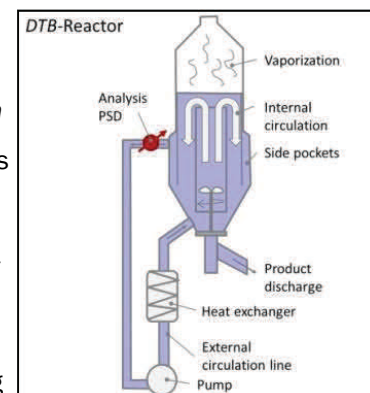
Particles are everywhere and increasing importance is being placed on improving performance of particulate systems and production efficiency therefore increasing emphasis is being placed on providing timely and reliable analysis data.



Sympatec began operation in 1982 as a spinout from the university of Clausthal Zellerfeld in Germany and had the breakthrough innovation of analyzing dry powders in the dry state using laser diffraction in order to preserve the link between analysis and the process. We still hold fast to the principle of adapting the analyzer to the sample ensuring the sample size, physical state and measurement principle applied to each analysis is configured to provide the most relevant information. Today, still as a privately

held company run by technologists, we have thousands of systems worldwide operating in the laboratory, in the robot laboratory, in the process or even submerged in the Yellow River!

Real world examples will be shown covering in process and laboratory applications using the techniques of Laser Diffraction, Image Analysis and Ultrasonic Extinction covering the fields of high concentration mineral slurries, cement production and early detection of screen breakage amongst others.



February Dinner Meeting

Speaker Bio:



Andrew is an Analytical Chemist who has worked in the pharmaceutical and chemical industries developing online analysis technologies before joining Sympatec in 2000 as a sales engineer covering the United Kingdom. He expanded his role to become a specialist dealing with online particle sizing applications and moved to the USA to develop the online market for Sympatec products in the fields of crystallization, mining and chemistry. He is passionate about educating, discussing and performing particle analysis in the lab and process and is always delighted to help anyone who has questions relating to particle size and shape.

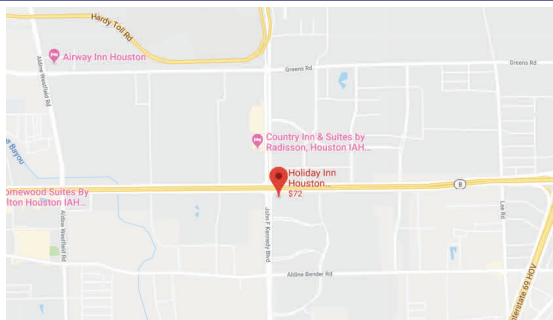
Meeting Registration Information

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 for the main meeting is now open through our [website](#).

	Pre-Registration	Pre-Registration	At the door	At the door
	Members	Non-Members	Members	Non-Members
Regular/Retired	\$25	\$35	\$35	\$45
Student / Unemployed	\$15	\$25	\$25	\$35

Meeting Location— Holiday Inn Intercontinental Airport



This month's meeting will be held at Holiday Inn Intercontinental Airport ([15222 John F Kennedy Blvd, Houston, TX 77032](#)).

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

February Meeting Dinner Menu

An all About Texas Evening with STS AIChE at the Holiday Inn Intercontinental Airport!

Buffet Dinner:

Mixed Field Greens, Fruit Salad with Yogurt Dressing, and Baby Shrimp Pasta Salad
Chicken Marsala, Crawfish over Penne Pasta with a Cajun Cream Sauce and Sliced Prime Rib of Beef
Buttered Parsley Potatoes
Mixed Seasonal Vegetables
Assorted Dinner Rolls

Vegetarian Dinner Option:

Vegetable Stuffed Portabella Mushroom **

** This dish is by request only – reservations are due two (2) days before the event.

Dessert:

Bread Pudding

Coffee Station:

Regular Coffee
Decaffeinated Coffee

Non-Alcoholic Beverages:

Iced tea with Lemon Wedges
Water

Alcoholic Beverages:

Cash Bar**

** Cash only – no electronic payment option

Online Registration closes at 4PM the day prior to the event (Wednesday February 6th). After this time, you may register at the door.

Workshop I

Workshop starts at 5:30 PM

Title: An Effective and Efficient MOC System

Speaker: Jack Chosnek, PhD, PE



Abstract: It's been well over 40 years since the Flixborough incident, which was the watershed of MOC, and MOC is still the root cause of 10% of all major incidents and is indirectly involved, or one of the causes in a very high percentage of all incidents. Given these numbers is very possible that MOC systems are not doing their job. With the implementation of elaborate MOC systems that focus on compliance, and not necessarily regulatory compliance but more and more internal company compliance, we tend to forget that the main purpose in life of an MOC system is to evaluate the safety of a change.

The talk will touch on the important factors that satisfy the objective of MOC, that is, the safety study, and the elements that will assure that it is a good study. In addition, an MOC system needs to provide the framework to ensure that, besides the safety, the change is performed correctly. A good description of the change and a PSSR contribute to this result. A well-designed MOC system ought to be effective. It also needs to be efficient, that is, it allows us to easily meet the management requirements, letting us concentrate on the real objective – a safe and properly executed MOC. An electronic MOC system that meets all the qualifications discussed, including automatic metrics, will be shown.

Speaker Bio: Jack has over 40 years of experience in the industry in management and staff positions, 25 years with Celanese and as a PSM Consultant since 2001.

He is risk advisor for two multi-billion dollar projects, principal investigator in major incidents, implementor of company PSM systems, facilitator for numerous PHA/LOPA/SIL studies.

Jack is the PPSS Chair for the 3rd GCPS and is Chair of the Technical Advisory Committee of the Mary Kay O'Connor Process Safety Center.

Jack holds BS, MS and PhD in Chemical Engineering, MBA.

Workshop II

Workshop starts at 5:30 PM

Title: Hydrogenation Reactions for Chemical and Pharmaceutical Application - Design and Scale Up Considerations

Speaker: Bruno Tettamanti

Abstract: The presentation will focus on critical parameters and design considerations related to implementation of hydrogenation reactions for chemical and pharmaceutical applications, with particular emphasis on scale up factors.

Speaker Bio: Bruno Tettamanti is global head of Marketing and Sales for Biazzi S.A. Bruno is graduated in chemistry and economics in Switzerland. He is working for Biazzi S.A. Switzerland, since 2008 as Head of Marketing and Sales. Previously, he worked for companies like Davy Process Technology and Bertrams AG as Product Manager and for the Zürich and – Basel Environmental Protection Agency as environmental Engineer.

February 2019 STS-AIChE Chair's Letter – Tom Rehm

Hello South Texas Section,

On January 15, we lost a giant among chemical engineers with the passing of Dr. John McKetta, 1962 AIChE President. This past November Dr. McKetta was honored at the STS Diamond Jubilee Celebration as an Outstanding STS AIChE Member. His son Mike McKetta received the award for Dr. McKetta. You can read about Dr. McKetta's life and his many accomplishments in a *South Texan* special edition in his honor.

At the January 10th STS Dinner, we had a very interesting presentation from Mike Allison of Raptor Aerial Services, "Drones, a new tool for industrial applications." I think we broke an STS record on the number of audience questions, easily exceeding 20. If anyone wants to contact Mike, he can be reached at mike@raptoraerialservices.com.



The piloting of a looping ppt presentation during the January 10th social hour worked well, much to my amazement, i.e., my computer skills are minimal. I am determined to express our appreciation to our STS Patrons, i.e., members who purchased season dinner passes. This looping ppt is a small way of doing that. We also provided our two sponsors with numerous promotions during the looping ppt. Our two sponsors are Microrganic Technologies (Bronze) and the Business Climate Leaders (Silver). Thank you to our Patrons and Sponsors. Although the deadline has passed for purchasing a season pass, ***we continue to seek sponsorships. Please contact me at tom@tomrehm.com.***

As we move through 2019, I will continue to provide ongoing news associated with our theme of Global Warming Solutions. Much of that work is underway with the development and launch of The Climate Solutions Community (TCSC), a new AIChE community within the Institute for Sustainability. Noteworthy this month is an upcoming TCSC Workshop to be held on April 2nd at the AIChE Spring Meeting in New Orleans; see workshop details below. Last October, the AIChE Board of Directors approved formation of TCSC, a multi-disciplinary initiative. The AIChE office of Communications and Online Content will soon launch a TCSC website. At that time, you will be able to register online at \$10/year. We all need to be involved in solutions. I encourage you to try to attend the TCSC workshop on April 2nd.

An exciting development was discussed at our January 17th Executive Committee Meeting. Sarah Anderson, President of the Gulf Coast Chapter of the American Industrial Hygienists Association joined us to discuss a joint STS/AIHA GCC K-12 pilot. This idea arose from discussions in the fall of 2018 between Eric Freiburger, 2018 AIChE Safety & Health Division Chair and Lawrence Sloan, AIHA CEO. With STS's successful K-12 program extending back many years under the leadership of Matt Kolodney, it was an easy decision for STS to offer our support of this joint K-12 pilot. ***If you want to support the South Texas Section, one very fun way of doing so is to become involved in K-12 events under the leadership of Matt Kolodney and Connor Schonert. Please contact them at mkolodney1@comcast.net and connorschonert@yahoo.com.***

We have several events on the STS February and March calendars:

South Texas Section Dinner Meeting, February 7, Holiday Inn IAH (Beltway 8 and JFK Blvd) on February 7. Our after-dinner speaker, Andrew Smith with Sympatec, will speak on "Advances in lab and process particle characterization." <https://www.aiche.org/community/sites/local-sections/sts/events/sts-aiche-february-2019-monthly-dinner-meeting>

February 2019 STS-AIChE Chair's Letter – Tom Rehm

STS Executive Committee Meeting, February 12, Ranchero King Buffet, 5900 North Fwy, Houston, 6:00-8:30pm. If you want to support our Section and take a significant step in growing your personal business/technical network, please contact me at tom@tomrehm.com. I will add you to our growing list of STS volunteers.

Engineer of the Year Gala, February 22, Marriott Westchase, 2900 Briarpark Dr., Houston. Registration: <https://events.eventzilla.net/e/2019-engineer-of-the-year-gala-2138728517>.

Science and Engineering Fair of Houston, February 22-23. This is a great opportunity for you to be involved in one of the most important K-12 events that STS supports. Contact Matt Kolodney at mkolodney1@comcast.net.

HISD "When I Grow Up" Career Expo, March 23, Hattie Mae White ESC, 4400 West 18th Street, Houston; <http://www.hisdcareerreadiness.org/meet/expo/>. This is another significant K-12 event which STS supports. To become involved, please contact Matt Kolodney or Connor Schonert.

Events farther out on the calendar include the Scout Fair (April 6), the Energy Forum (April 11), the Sally Ride Festival (April), OTC (May 6 - 9), and the ECH Annual Awards & Networking Banquet (May 30).

I hope to see everyone at our February 7th STS Dinner!

The Climate Solutions Community (TCSC) Workshop, April 2, The Hilton New Orleans Riverside

This workshop will be the first engagement of the TCSC. There is much work to do. Join us and become involved in working toward technically viable and marketable climate solutions.

- Welcome and Introductions, Tom Rehm, PhD ChE, AIChE South Texas Section Chair
- Shining Light on the Evidence of Climate Change
 - ◊ Presentation laying out the data on climate change, Tom Rehm et al
 - ◊ Questions for speaker(s)
- Panel Presentations and Q&A: Climate Solutions in Industry
 - ◊ Jimmy Kumana, MS ChE, chemicals, primarily energy efficiency
 - ◊ Mark Holtzapple, PhD ChE, Texas A&M, fuels, primarily biofuels
 - ◊ Charles Rhodes, PhD EE and Gene Preston, PhD EE, electricity, primarily generation
 - ◊ Q&A with Panel
- Break (30 minute conference-wide coffee break)
- Three Group Discussions for chemicals, fuels, and electricity: Climate-Change Issues for ChemEs
 - ◊ What issues do these industries face related to climate change?
 - ◊ Which issues are chemical engineers uniquely positioned to address?
- Three Group Discussions for chemicals, fuels, and electricity: Commercial Climate Solutions
 - ◊ What technologies exist to address issues identified in first breakout?
 - ◊ What are the gaps — which issues don't have a solution or a solution is available in another industry but not yet applied here?
- Summary and Next Steps

If you are planning to attend the AIChE Spring Meeting in New Orleans March 31 to April 4, take time to attend. If you hadn't planned on attending the Spring Meeting but are concerned about climate change, think about taking a couple of days off work to join us; per Google Maps, it's only a five hour drive from Houston to New Orleans. On the evening of April 2nd, attendees who want to lead in the TCSC will assemble at a nearby restaurant and continue our 'Next Steps' discussion.

Sponsors for 2019 - Thank You

Silver Sponsors

Business Climate Leaders



Business Climate Leaders is an action team of Citizens' Climate Lobby

Bronze Sponsors

Microrganic Technologies



Sponsorship of the South Texas Section – now on a rolling 12-month basis

In past years, sponsorship was tied to a calendar year. Those who became sponsors later in the year had less exposure than full-year sponsors, but at the same cost as full-year sponsors. A proposal to the STS Executive Committee, for sponsorships over a rolling 12-month period, was approved in mid-January. The 12-month rolling period will be based on the date of sponsorship application.

We will have eight STS meetings in 2019 in the greater Houston area on the west, east, north and south sides of the city so that we may try to cater to all our members across town. Please see the [dinner meeting schedule](#).

In 2019 we are offering three levels of sponsorships:

	Bronze	Silver	Gold
Looping PowerPoint at each of our eight 2019 dinner meetings during the social hour	10 second still	20 second silent video	60 second audio video
Self-promotion at dinner meetings		60 seconds in one meeting	Two minutes in each of three meetings
Display table at dinner meetings		One meeting	Three meetings
Opportunity to speak at an STS dinner meeting in 2020			✓
Complimentary dinner tickets for use at any dinner meeting during 2019	2	4	8
Plaque with sponsoring company Logo			✓
Sponsor Logo display in the monthly STS newsletter	✓	✓	✓
Acknowledgment from the meeting podium	✓	✓	✓
Donation to the South Texas Section	\$500	\$1,000	\$2,000

2019 STS Opportunities

2019 STS Speaking Opportunities

In 2019, the South Texas Section and our partners will continue very successful events:

- Networking lunch programs, on the east and west sides of town, two per month;
- Monthly dinner meeting workshops;
- A stand-alone workshop evening in December 2019;
- The Energy Forum in April 2019;
- The Water Forum in November 2019; and
- The Southwest Process Technology Conference in October 2019.

If you would like to speak at any of these events, please contact me.

2019 Exhibit Opportunities

There are exhibit opportunities at the Energy Forum, the Water Forum, and the Southwest Process Technology Conference (SPTC). In 2019, all will be held in the Houston area, including the SPTC which has been held in Galveston in recent years. If you choose to be a South Texas Section Sponsor, we can work out a discount arrangement for exhibiting at these three events.

2019 STS Theme: Global Warming Solutions

In our 2019 STS Monthly Dinner and Social Schedule, please note the topics of our March, April, May, and October dinner presentations. We are living in an unprecedented time in human history. Through industrialization, we are seemingly harming our planet. With the wealth of fossil fuels at hand, putting it to use was inevitable and during much of that use who could have foreseen its effects? Until recent years, climate change observations could perhaps be argued, but no longer.

At the AIChE Annual Meeting in Pittsburgh last October, the Institute for Sustainability (IfS) and the AIChE Board of Directors approved the formation of The Climate Solutions Community (TCSC). This community will be within the IfS. As with the IfS membership, TCSC membership will be multi-disciplinary. All engineers and industrial scientists will be welcomed to join the AIChE with the objective of working together to identify and recommend technically viable and marketable solutions. We need to begin turning the corner on this problem so that it can be done to maximize the economic benefit to our country. Energy markets can benefit, including oil and gas sectors, with planning. The mix will gradually change, but we will continue to need energy and an ever-increasing amount of it. We need and welcome companies in the oil and gas sectors to work with us to solve this problem.

2018 AIChE Southwest Regional Process Technology Conference Best Presentation Award

The January 10, 2019 Monthly South Texas Section – AIChE Dinner Meeting at The Bougainvilleas served as a venue for the presentation of the South Texas Section’s 2018 Southwest Process Technology Conference Best Presentation Award to Dr. J. Antonio Garcia. His presentation was titled “Debottlenecking of a Large Industrial Deethanizer by Gravity Driven Two-Phase Flow Analysis”. The South Texas Section’s 2018 Southwest Process Technology Conference was held on October 9 – 10, 2018 at Galveston’s Moody Gardens Hotel. Dr. Garcia is the Mass-Transfer, Business Development Manager for AMACS - Process Tower Internals.



2019 South Texas Section – AIChE Chair Tom Rehm congratulates Dr. J. Antonio Garcia (R) while presenting him with the South Texas Section – AIChE’s 2018 Southwest Process Technology Conference Best Presentation Award.

STS 2018 YP Chair Appreciation Plaque

During the January 10, 2019 South Texas Section – AIChE Monthly Dinner Meeting at The Bougainvilleas, Swarup Bade was presented with the 2018 South Texas Section – AIChE Young Professionals Chair Appreciation Plaque for his tireless efforts as 2018 STS – AIChE YP Chair by 2019 STS – AIChE Chair Tom Rehm.



2018 STS – AIChE YP Chair Swarup Bade (R) receives his 2018 STS – AIChE YP Chair Appreciation Plaque and hearty congratulations from 2019 STS – AIChE Chair Tom Rehm (L)

STS-AIChE Annual Awards

It's STS Awards Nomination Time!

Nominations are being accepted thru May 1, 2019 for the following STS Annual Awards:

- 2018 STS Best Applied Paper Award
- 2018 STS Best Fundamental Paper Award
- 2018 STS Best In Practice Paper Award ****NEW!!****
- 2018 STS Outstanding Young Professional Award (Under 35)
- 2018 STS Distinguished Service Award (Over 36)
- 2018 STS Special Service Award(s)

Nomination Forms are available in *The South Texan* or nominations may be made using the STS web-site (<https://www.aiche.org/community/sites/local-sections/sts/forms/sts-award-nomination-form>) or by contacting:

Matt Christiansen 281-544-6476 Matthew.Christiansen@shell.com

Tom Menn 281-485-3719 ThomasMenn@SBCGlobal.net

Ryan Stephens 281-544-8447 Ryan.Stephens@Shell.com

STS-AIChE Annual Awards

South Texas Section – AIChE 2018 Annual Awards Nomination Form

THIS NOMINATION FORM MUST BE RECEIVED BY **MAY 1, 2019** TO BE ACCEPTED!

Mail the completed form to:

Thomas E. Menn	Or	Matt Christiansen, PhD	Or	Ryan Stephens, PhD
Awards Chair		Best Papers Judging Chair		Best Papers Judging Co-Chair
P. O. Box 458		Shell Projects and Technology		Shell Global Solutions (US) Inc.
Pearland, Texas 77588-0548		Technology Center		
		3333 Highway 6 South		
		Houston, Texas 77082		
Tel.: 281-485-3719		Tel.: 281-544-6476		Tel: 281-544-8447
ThomasMenn@SBCGlobal.net		Matthew.Christiansen@shell.com		Ryan.Stephens@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 -- AIChE may wish to join AIChE and/or STS -- AIChE before May 31, 2019 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: _____

STS-AIChE Annual Awards

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

2018 STS Outstanding Young Professional Award (*Under age 35*) _____

2018 STS Distinguished Service Award (*Over age 35*) _____

2018 STS Best Fundamental Paper Award _____

2018 STS Best Applied Paper Award _____

2018 STS Best In Practice Paper Award ****NEW!!** _____

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 enter the name of the nominated 2018 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.)

Check Best Paper Category Again:

Fundamental _____

Applied _____

In Practice _____

STS-AIChE Annual Awards

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, 2019 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.

2019 Offshore Technology Conference - Volunteers Needed

6 - 9 MAY 2019 at NRG Park, Houston, Texas, USA

Receive Free Pass*, Parking*, and all the free goodies/junk you can carry away! (* *entire OTC*). *Note: You can attend Technical Sessions.*

Must volunteer before 10 April 2019 (estimated)

Attend Orientation Meeting (*mandatory*) & serve 4 hours in either Arrangements, Registration, or Student Tours, or “1st Timers” Lounge/Orientation.

Contact Tom Menn @ thomasmenn@sbcglobal.net

University Outreach Volunteer Request

This fall, the Young Professionals will be reaching out to several universities in order to talk to their student AIChE chapters about career options, industry experience, and more!

If you're an alum of the University of Houston, Rice, Texas A&M, or Prairie View, or if you're just interested in sharing your chemical engineering experiences with students, then we would love to have you as a volunteer or even coordinator!

To volunteer, please contact Swarup Bade at sts-yp@aiiche.org and include any universities you'd be interested in helping with. We'll contact you once we've secured a time and place!

Science and Engineering Fair of Houston - Volunteers Needed

The final round of the Science and Engineering Fair of Houston (SEFH) will be held in the George R. Brown Convention Center in Downtown Houston on February 22-23, 2019. The STS has participated for many years and several of our members volunteer yearly, but we always need new volunteers as well. There are four options for helping out at the SEFH.

Option A: STS will have an information table from 2:00 – 6:00 pm, Friday, February 22. We will have an exhibit and talk with students, parents and teachers. We would like to have a person or two in each of the following categories: undergraduate students, graduate students, faculty members, YPs, and (chronologically) mature members. Snacks will be provided.

Option B: STS will be judging exhibits on Saturday afternoon, February 23 as a special awarding agency. Chemical engineering projects are scattered among several science fair categories, so we will need 12 - 16 judges (6 - 8 in each age bracket) to find and judge them. If possible, please let us know a few days in advance if you would like to participate. We invite professional members and graduate students. If your child is competing in SEFH in a ChE-eligible category, you cannot judge in your child's age category. The SEFH provides lunch at 11:30, during which SEFH rules and STS judging organization are discussed. Judging runs from 1:15 – 4:15, after which our judges meet to pick the winners. Afterwards, some of our judges and volunteers traditionally opt to meet informally for dinner and networking.

Option C: STS members can be “place award” judges for the science fair in chemical engineering and several other categories (chemistry, energy). To do so, you will need to sign up in advance on the SEFH web site, www.SEFHHouston.com. Place award judging takes all day. You cannot be both a place award judge and a special award judge.

Option D: SEFH also needs volunteers in other categories, such as registration, parking, unloading and setup, and display and safety. Under-graduate students are welcome to participate in this category. You need to sign up in advance on the [SEFH web site](http://www.SEFHHouston.com).

All four options provide interesting technical and networking experience. (Several of our members volunteer year after year, though there is ample space for new volunteers.) For options A and C, please contact Matt Kolodney (713) 471-8956 and some of the questions for categories B and D, but you should also check the [SEFH web site](http://www.SEFHHouston.com).

Further details will be provided soon to volunteers. STS will reimburse participants for their parking expenses.

Upcoming Events

February 1st - First Friday Networking Lunch

The next STS-AIChE First Friday Networking Lunch (FFNL) will be held on Friday, **February 1st from 11:30AM - 1:00PM** at the **Wyndham Houston West Energy Corridor Park Restaurant and Grill** ([14703 Park Row Dr, Houston, TX 77079](#)). The restaurant is located on the east side of the hotel and there is designated parking available. The lunch menu is an all-inclusive buffet style for \$16 per person and STS-AIChE subsidizes the lunch by \$5. The non-refundable \$11 registration fee includes the subsidized lunch buffet and attendance for the lunch presentation and networking. Pre-registration reserves your seat and walk-ins welcome on an as available basis. STS-AIChE members as well as non-members are welcome to attend.

[Register at the AIChE STS website.](#)

Topic: Safety Shutdown Systems: Achieving SIS/SIL Compliance to the New ISA61511 Standard via Sharepoint

Speaker: Curtis (Curt) Miller

General Manager / Principal Consultant / Founder
SIS SILverstone LLC
10999 Katy Freeway, Suite 600
Houston, TX 77079
M: 832-439-3893
Email: camiller@sissilverstone.com

Mr. Miller has a P.E. in Control Systems and received his B.S. in Chemical Engineering from Texas A&M in 1986. He is a Certified Functional Safety Expert (CFSE) and has recorded 20,000+ hours in functional safety.

He is further specialized in protection systems for turbo-machinery, including turbines, compressors, and reciprocating engines / compressors. He has participated in ISA84, AIChE, and API committees, has 20+ papers, and authored a book titled "Win/Win: A Manager's Guide to Functional Safety". He is a vetted instructor for CFSE and ISA EC50/52/54 (LOPA/SIS) courses.



On the personal side, Mr. Miller lives in the hill country near Austin, where he is close to his grandchildren and extended family. Although he is currently busy with his SIS SILverstone LLC start-up with main offices in Houston, New Orleans, Baton Rouge, and Lafayette, he finds opportunity to follow his sideline passion in triathlons, where he competes domestically and occasionally internationally.

Abstract: The first international standard (IEC 61511) for Safety Instrumented Systems (SIS) in the process industry was released in 2003. The second edition was recently adapted by ANSI/ISA for the USA in mid-2018.

This IEC/ISA61511 consensus standard has approximately 300 "shall" statements. The "shall" statements then cover over 650 individual requirements for each safety instrumented function (SIF). Tracking the fulfillment of these requirements is a demanding task and spreadsheets have not proven effective. Enterprise-level software solutions are available, but to-date, none have accomplished such a daunting task.

In this session, a case study will be utilized to show how full compliance can be achieved. It will apply comprehensive, off-the-shelf safety lifecycle tools that work with existing site practices. The process will be sustainable, simple, and most importantly, cost effective. The exciting news is that Microsoft SharePoint can bring all the requirements into focus and any company can obtain full ISA/IEC 61511 compliance.

Have suggestions, ideas, comments or want to recommend a speaker for future FFNL events? Please contact William Pittman at WilliamPittman@micropackamericas.com

Upcoming Events

February 15th - Third Friday Networking Lunch

The next STS-AIChE Third Friday Networking Lunch (TFNL) will be held on Friday, **February 15th from 11:30AM - 1:00PM** at the **Pipeline Grill** ([10003 Spencer Hwy, La Porte, TX 77571](http://10003%20Spencer%20Hwy.%20La%20Porte.%20TX%2077571)). There is no registration fee. The lunch menu ranges from \$8 to \$12, and the South Texas Section will subsidize lunches by \$5 per attendee. STS members as well as non-members are welcome to attend. We only request that you pre-register at the STS-AIChE.org website so we can get an accurate head count for the restaurant. **Everyone is welcome to attend!**

[Register at the AIChE STS website.](#)

Topic: Functional Contradictions: Insights into Process Improvement Opportunities

Speaker: Peter Hanik, MBA, PE

Pete is President and founder of Pretium Innovation specializing in intellectual property and team-based innovation systems to create sustainable value. Pete has developed proprietary on-site and on-line services for innovation methods in business strategy, business process redesign, capital efficiency improvement, product concept development, intellectual property enhancement and technology road mapping. Pete was also President, Technology at Reliance Industries, Mumbai, where he led research and development programs in refining, petrochemicals and polymers with a staff of about 300 professionals. Prior to that, Pete was Senior Vice President of Technology, (Research & Development, Quality and Health Safety & Environmental and e-Business) at Millennium Chemicals, President and CEO of Millennium Petrochemicals, Vice President Chemicals & Supply Chain at Quantum Chemical, Vice President Reengineering and Information Systems at Quantum Chemical, Director Applied Research & Technical Service at Quantum Chemical, Regional Sales Manager at Northern Petrochemical, Engineering Manager at Northern Petrochemical and Production Superintendent at Northern Petrochemical.



Pete holds a B.S. in Chemical Engineering from Illinois Institute of Technology and an MBA from the University of Chicago. Pete is active with the American Fuel & Petrochemical Manufacturers Association (AFPM) and has served as a member of Executive Committee, Board of Directors, Steering Committee, Petrochemical Committee (Chairman), and Program Chairman for the 2002 International Petrochemical Conference. Pete has served as a member of the American Institute of Chemical Engineers Industrial Advisory Board 2002 – 2004. Pete is a Registered Professional Engineer (Nebraska).

Abstract: The As process engineers we are often given a specific problem to solve. But our broader mission is to find ways to make things “faster, better, cheaper”. Process Intensification is a recent trend that outlines areas of opportunity such as thermal intensification, mixing & mass transfer, chemical separation & crosscutting technologies, and other opportunities. Another approach discussed in this talk is to look for contradictions within the chemical process. A contradiction occurs when one action produces a useful result but also a harmful effect. For example, a chemical reaction may proceed at a higher rate if temperature is increased, but the increased temperature results in more unwanted byproducts. The usual approach is to optimize around the contradiction using tools like six-sigma. In this case we would calculate the economic benefit produced running the reaction at varying temperatures and select the temperature that yields the maximum benefit. But what if we could resolve the contradiction and escape the compromise? Such a solution could result in a breakthrough creating sustained economic advantage. Not all contradictions can be resolved but there are many examples in the chemical industry where resolution of a contradiction resulted in significant and long term benefits. This talk will discuss ways to identify contradictions that could lead to significant process improvement and it will also discuss how to create potential resolutions for contradictions.

Upcoming Events

February 15th - Third Friday Networking Lunch

Have suggestions, ideas, comments or want to recommend a speaker for future TFNL events? Please contact David Alexander at 832-372- 2926 or davidalexanderlaw1249@gmail.com. Alternative contact = William Pittman williampittman@micropackamericas.com.

Need career advice or guidance? STS is now offering a free mentoring service for its members, courtesy of our panel of senior member volunteers. For more information, contact jkumana@aol.com.

Upcoming Events

Spring 2019 PE Review Course for Chemical Engineering

The STS-AIChE & the University of Houston will sponsor a Chemical Engineering Professional Engineering Review Course, Spring of 2019.

Exam Dates in 2019 are 1(Jan-Mar) 2(Apr-Jun) 3(Jul-Sep) 4(Oct-Dec).

The course will be held at UH from 4:00 to 7:00pm on Friday afternoons beginning February 1st through April 26. The cost for the course (not including books) is \$900 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 course offerings.

	Course Materials	UH Logistics	Blackboard
Contacts:	Dale Embry	Nicolette Solano	Joseph McDonough
Phone:	832-815-1552	713-743-4304	713-743-9972
Email:	dembry@uh.edu	nsolano2@uh.edu	jcmcdonough@uh.edu

Resources:

[Texas Board of Professional Engineers \(TBPE\)](#)

[National Council of Examiners for Engineering and Surveying \(NCEES\)](#)

[Professional Publications](#)

Testing Booklet: Login to www.ncees.org, Common Tasks/Useful Documents/Reference Handbooks/PE Chemical Reference Handbook

Books used in the course:

Available from Professional Publications:

Chemical Engineering Reference Manual for the PE Exam (CHRM7)

PE Chemical Sample Questions and Solutions

Six-Minute Solutions for Chemical PE Exam Problems (SXCH)

Available from NCEES: PE Chemical Practice Exam (ISBN 978-1-932613-52-0)

Course Cost

Members of both National AIChE & STS \$650

Non-members \$900

Check our website page "[PE Refresher Course Offered Spring 2019](#)" for more information

Upcoming Events

2019 STS-AIChE Board Nominations - Chair Elect

The following are the nominations for the Chair Elect for the 2019 STS-AIChE Board Elections.

Candidate 1: Dr. Mayank Gupta



Bio: Dr. Mayank Gupta is the President & CEO of MEC Fuels & Chemicals. He is a co-founder of two companies and one nonprofit organization. Dr. Gupta previously served as a Director of the American Chemical Society-Greater Houston Section and an Alternate Councilor of the American Chemical Society-Louisville Section. Dr. Gupta has over 15 years of experience covering catalysis, reactor design, nanomaterials, electroplating, biomass conversion, desulfurization, CO₂ capture, and pulp & paper. Dr. Gupta received his master's and doctorate degrees in chemical

engineering from Louisiana State University, Baton Rouge, USA. He also holds a master's degree in paper science and engineering from University of Minnesota, Twin Cities, USA. He received his bachelor's degree in pulp and paper engineering from the Indian Institute of Technology (IIT), Roorkee in India.

Statement:

STS's vision is to serve chemical engineering professionals in the South Texas region through education, professional development, and networking. I strongly support its vision and if elected, I plan to accomplish this by working with all board members and carrying out various activities including:

- Increase involvement/engagement of members with the section
- Support and enhance the effectiveness of current programs
- Market to increase visibility of the section locally, nationally, and globally
- Collaborate/partner with academia, scientific societies, and industry

Please feel free to call me at 713-791-3454 or email me at mec@mecfuelchem.com if you have any questions or need any additional information.

Upcoming Events

2019 STS-AIChE Board Nominations - Chair Elect

Candidate 2: Mark S. Harkness, P.E.



I have had a fun and diverse career, starting with Stauffer Chemical Company in 1980 (Mobile, Alabama). Like many Chemical Engineers, I began as a Process Engineer. After several years in various assignments, and a stint with Brown and Root as a Project Engineer, I moved to Texas in 1988, joining Amoco Chemical Company. From Amoco, I moved to Merichem Company, where I built a feedstock cracking unit. After completing the project, I moved to Lyondell Petrochemical in 1992 to work in their Polymers business.

At Lyondell, I worked in Product Development and Marketing, where I was assigned to the project team to develop a dyeable polyolefin resin. I then worked in polypropylene operations, where I led a successful startup of a plant debottleneck project. When Lyondell created its Equistar merger with Millennium Chemical, I was assigned to the integration team, where I worked with the systems to create all the business reporting for Polymers Sales and Marketing. After the SAP startup, I moved in to Polymers Sales, where I had the chance to work in both Distribution and Direct Sales. I obtained my MBA at the University of Houston – Clear Lake during my tenures with Merichem and Lyondell.

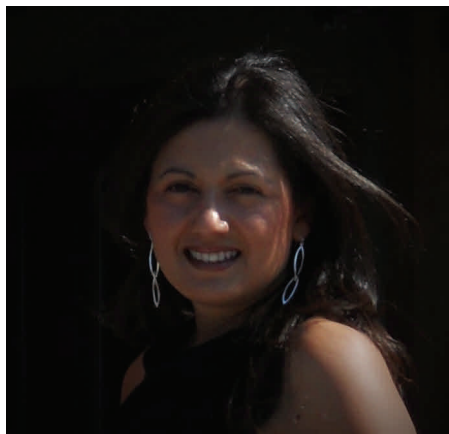
In 2002, I made a career change that led me into working with our most valuable resource – Water. I went to work for Layne Christensen Company, a large water resources construction company, where I worked in management and business development. These experiences led me to start my own company in 2017, where I provide engineering services and solutions for clients in the municipal and industrial sectors. It has also afforded me the flexibility for some volunteer work, where I have worked as a Mentor with Engineers Without Borders. I have been a judge at the Houston Science and Engineering Fair for several years, and have been associated with the Texas Water Utilities Association for several years in leadership and training roles.

As Chair-Elect of the South Texas Section, I will support our 2019 Chair Mr. Tom Rehm, to achieve successful implementation of all STS programs, ensuring that the South Texas Section remains the premier section of AIChE. Chemical Engineers can provide solutions to many of the problems we face today, and I believe that we can participate in a broad variety of fields to enable these solutions. Thank you for the opportunity to run for the Chair-Elect position, and I would be delighted to serve the South Texas Section.

Upcoming Events

2019 STS-AIChE Board Nominations - Treasurer

Candidate 1: 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.

Yurika is the current STS-AIChE Treasurer, through her term she has work closely with all board committee members and listening to STS members concerns and requests. Through the past two years, she has implemented changes, a few of her accomplishment are listed below.

- Updated the registration system to an online and onsite system that makes registration easier. Our members and guest may enter their information and select a form of payment with ease.
- Implemented a new internal invoice system which makes it easier to track income and expenses, our vendors are invoiced via email, this minimizes paper and assures that the correct vendor has received the invoice.
- Worked along with the Chair and Chair Elect to select suitable venue locations to cater all members across the Houston area.

If elected, I would like to continue being of help and work closely together with every board member; I would like to continue addressing the logistic hurdles for events so that board members may continue their focus in obtaining sponsorship, speakers, and special events guests. I will continue to promote transparency across all committees, continue to strive for excellence, and manage STS-AIChE budget with the utmost care.

It has been a pleasure working with every member of the board and to serve STS-AIChE members through the past two years. I look forward to continuing to serve and represent STS-AIChE.

Upcoming Events

2019 STS-AIChE Board Nominations - Treasurer

Candidate 2: David Silarski



During the twenty plus years that I have been active in the South Texas Section of AIChE, my main concern has been the needs of its members. This is a huge challenge due to the diversity of the Section's membership and the large geographical area that the Section covers. Much has been done to fulfill the STS members' needs: CEO, Young Members & Regional Meetings, Safety Symposiums, professional development programs including workshops and technical symposiums, website, and electronic newsletters. I want to continue improving the activities of the section, including better communication and organization, while being mindful of the cost - benefit relationships. The goal is to make the South Texas Section more relevant to the membership and recruit new graduates.

I am a Lifetime Member of AIChE and have been active as your 2008 Chair. I wish to continue my guidance as your Treasurer. I was active in the local section in Philadelphia and Corpus Christi before moving to Houston. During my years in the South Texas section, I have served as 2008 Chair, co-founder of SPTC, was monthly meeting door-person, Spring National Meeting General Arrangements Committee Chair, Regional and Young Member Committee Chair, Process Forum meeting Organizer and now Co-Chair for the Diamond Jubilee as well as current STS local Membership Chair. Now, having more schedule flexibility, I can again devote more time to the Section and I would be honored to represent the section as treasurer for 2019.

I have Bachelor and Masters of Chemical Engineering degrees from the Purdue University. I have been employed by several refining, petrochemical, and chemical companies. I am a founder and past Vice-President of the Gulf Coast GTOs, was Treasurer of Houston Purdue University Alumni Club and past treasurer of the Gulf Coast Tau Beta Pi Alumni chapter. I am also a Registered Professional Engineer.

Upcoming Events

2019 STS-AIChE Board Nominations

For the following 2019 STS-AIChE Board Nominations, there is one nominee each:

Position 1, Education: Mr. Babak Rafienia

Position 3, Communications: Mr. Aniket Patankar

Upcoming Events

STS-AICHE College Night 2019

STS-AICHE COLLEGE NIGHT 2019

WHEN

March 7th, 2018

5:30pm - 8:30pm

WHERE

The Bougainvilleas

12126 Westheimer Rd, Houston, TX 77077

**University of Houston • Rice University • Prairie View
A&M University • Texas A&M University**

WWW.AICHE.ORG/STS

**REPRESENT
YOUR ALMA
MATER!**

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OF CLOTHING
THAT IS YOUR
SCHOOL'S
COLORS!**

ADVANCE TICKETS

\$25 Members

\$15 Students

\$35 Non-Members

\$20 Student Non-Member

Paid online

AT THE DOOR

\$35 Members

\$25 Students

\$40 Non-Members

\$30 Student Non-Member

Available on site

2019 STS-AIChE Monthly Dinner and Social Schedule



AIChE
American Institute of Chemical Engineers

2019 South Texas Section Monthly Dinner and Social Schedule

January 10, The Bouganvilleas, 12126 Westheimer Rd, Houston

Mike Allison, Raptor Aerial Services

Drones, a new tool for industrial applications

February 7, Holiday Inn Intercontinental Airport (Houston)

Andrew Smith, Sympatec

Advances in lab and process particle characterization

March 7, The Bouganvilleas

Professor Mark Holtzapple, Texas A&M ChE Department:

Global warming: An engineering perspective

April 11 (in conjunction with the Energy Forum), Shaffai Hall, 1622 Federal Rd, Houston

Professor Pavel Tsvetkov, Texas A&M Nuclear Engineering Department

Gen IV Nuclear

May 9, The Bouganvilleas

Fanxu Meng, Houston Advanced Research Center

Extreme weather event resiliency

June – Ship channel cruise

July – Astros game

August – Alternate shot two-player-team pool tournament

September 5, The Bouganvilleas

Mike Foggia, Process Combustion Corporation:

Flameless thermal oxidation – Achieve 99.9999% DRE at < 2ppmv NOx

October 1 (in conjunction with the Southwest Process Technology Conference), Marriot Sugarland

The presenter will be a prominent individual with involvement in global warming solutions.

November 7 (in conjunction with the Water Forum), Shaffai Hall

David Drerup, Operational Sustainability

Best practices in PSM data management

December – Holiday Season Social

This schedule does not include other STS events, such as networking lunches, workshops, plant tours, Young Professional events, K-12 outreach, PE review course offerings, etc. 2019 will be an exciting year for the South Texas Section. To become an STS volunteer, contact Tom Rehm at tom@tomrehm.com or 832-331-6491.

STS-AIChE Season Pass Information

General Comments

The STS-AIChE Season Pass offers the convenience of a single sign-up and single payment for all eight technical meetings in the 2019 season. Season Pass holders also receive priority sign-up for all special events.

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 the people at the registration table know 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 2019 Season Pass

2019 STS-AIChE Patrons

First Name	Last Name	Company Name
Yurika	Diaz Bialowas	Chemstations, Inc.
Travis	Fixmer	LyondellBasell
Jordan	Pearce	PSE
William Paul	Waits	Core Engineering
Jack	Chosnek	KnowledgeOne LLC
Dale	Embry	ConocoPhillips
Matt	Clark	Armstrong Engineering Associates
George	Vourazeris	Airgas Merchant Gases
Matthew	Kolodney	Entech Engineering
Victor	Edwards	
Sanjay	Sharma	Honeywell
Maximo	Salazar	Process Eng
Tom	Rehm	The Climate Solutions Community
Tom	Menn	
Gus	Georgeton	LyondellBasell
Joseph	Ramey	Westchase Design
Gary	Miller	Air Liquide
John	Middleton	WorleyParsons
Julie	White	Chevron
Erin	Green-Colaco	
Jay	McCorkle	WorleyParsons
Gary	Gildert	Vanguard Catalyst, LLC.
Ravindra	Saxena	ANR Consulting
Talia	Sanchez	Spirit Environmental, LLC
Jeffrey	Melland	Melland Engineering & Consulting
Trevor	Rice	Chemstations, Inc.
Carol	Schmidt	Wood
Venkat R.	Voruganti	Continental Carbon Company

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 Tom Rehm at tom@tomrehm.com or 832-331-6491.



South Texas Section AIChE

STS-AIChE
P.O. Box 421373
Houston, TX 77242

2018 Officers and Contact Information

Officers

Chair Tom Rehm
sts-chair@aiche.org

Chair Elect TBD
sts-chairelect@aiche.org

Past Chair Carlos Salamanca
sts-pastchair@aiche.org

Secretary Debra McCall
sts-secretary@aiche.org

Treasurer Yurika Díaz Bialowas
sts-treasurer@aiche.org

Executive Committee

Position 1: Education
Sanjay Sharma
sts-position1@aiche.org

Position 2: Outreach
Sheena Reeves
sts-position2@aiche.org

Position 3: Communications
Aniket Patankar
sts-position3@aiche.org

Position 4: Human Resources
Dr. William Pittman, Ph.D.
sts-position4@aiche.org

Volunteers

Arrangements: [John Middleton](#)
Awards: [Tom Menn](#)
Membership: [David Silarski](#)
Webmaster: [Talia Sanchez](#)
Young Professionals: [Swarup Bade](#)

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 2018

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>



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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.

Newsletter Editor

Aniket Patankar
sts-position3@aiche.org

Submit an article! Contact:

Matt Kolodney
713-471-8956
MKolodney1@comcast.net

Reserve your ad space! Contact:

Yurika Diaz Bialowas
sts-treasurer@aiche.org

