

The South Texan



Thursday, May 3, 2018

Monthly Meeting @ The Bougainvilleas Houston
([12126 Westheimer Rd, Houston, TX 77077](https://www.google.com/maps/place/12126+Westheimer+Rd,+Houston,+TX+77077))

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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May Dinner Meeting

Dinner Speaker: Tom Williams, Global Leader of Operator Effectiveness at Honeywell Process Solutions and Director of the Abnormal Situation Management Consortium (ASM)



Title: *Better Decisions Faster: Simple Things Can Reduce Incidents and Improve Operator Performance*

Abstract: For more than 20 years the Abnormal Situation Management Consortium has been studying the impact of human factors in Process Industry Plants. Initially begun with a primary objective to reduce safety incidents, the findings have demonstrated tangible financial performance improvements as well. The ASM Consortium not only conducts research, but it also tests prototype solutions in member plants to verify the impact.

And while new discoveries continue to be made, working on six principal areas will reduce incidents significantly and can reduce the gap between actual performance and ideal performance by as much as 50%. Moreover, five of these six need not require fixed capital expenditure.

Learn what you can do to help reduce incident risk and improve your plant's performance.

Bio: Tom Williams serves as the Global Leader of Operator Effectiveness at Honeywell Process Solutions and as Director of the Abnormal Situation Management Consortium (ASM). ASM is an industry-shaping Consortium of Process Automation users, created by Honeywell and Process Industry Leaders in 1994. It focuses on developing leading-edge insights and solutions for the management of abnormal situations in complex process automation situations.

Tom holds Bachelor and Master of Science degrees in Chemical Engineering from Princeton University and Rutgers University, respectively. Tom's career includes roles in R&D at Mobil Oil and Mobil Chemical, and in Process Development & Design, Plant Optimization, and Automation at Honeywell Performance Materials and Technology. Tom holds three patents, and is a certified Six Sigma Black Belt.

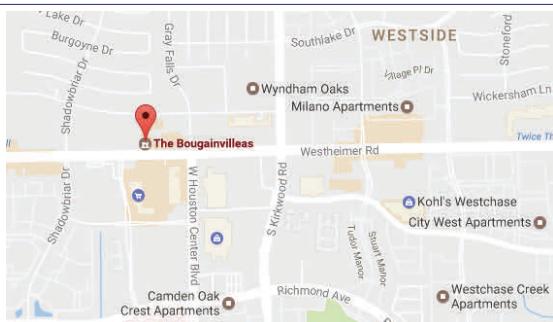
Meeting Registration Information

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	\$40
Student / Unemployed	\$15	\$20	\$25	\$30

Meeting Location— The Bougainvilleas Houston



This month's meeting will be held at The Bougainvilleas Houston ([12126 Westheimer Rd, Houston, TX 77077](#)).

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

May Meeting Dinner Menu

A Traditional American Dinner with STS AIChE at The Bougainvilleas

Buffet Dinner:

Mixed Greens with Strawberry with Nuts on the side
Bread Rolls
Salisbury Steak
Lemon Butter Chicken
Waldorf Salad
Garlic Feta Mashed Potatoes

Vegetarian Dinner Option:

Vegetable Stuffed Portabello Mushroom with a Balsamic Glaze **

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

Dessert:

Key Lime Mousse
Chocolate Mousse

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

Workshop I Information

Workshop starts at 5:30 PM:

Title: Evaluating Valve Condition: A Part of Any Safe and Efficient Operation

Speaker:s: Steven Obermann, Todd Harrison

Abstract: We will be presenting Metso's thoughts on measuring and monitoring the behavior of the lowly control valve. Often the control valve assets are found to be the cause of reduced production rate, lower product quality, higher energy consumption, and lost efficiency. We will explain:

- When you should evaluate valve performance.
- How real-time data from the plant can give key insights to valve condition.
- What tools are available to simplify assessment of condition.
- Once these valves are identified, what options are there to analyze the individual trouble makers

If these workhorses of process regulation are performing properly, reliability is improved and maximum return on capital is possible.

Bio: Steven Obermann, Sr. Product Manager, Metso Performance Solutions



Steve is the Sr. Product Manager overseeing the Expertune family of software products. He has worked in the process automation field for 30+ years. Steve has extensive experience in the refining and petrochemicals sector; having been employed by Texaco, WR Grace, UOP, Honeywell, and Texas Petrochemicals. His expertise includes process modeling, advance control, optimization, software development, process and control system performance evaluation/benchmarking, project financial analysis and management.

Bio: Todd Harrison, EPC Account Manager, Metso Flow Control



Todd graduated with a BS in Industrial Distribution from Texas A&M and a MBA from University of Houston. Todd has been in the valve industry for the past 17 years. Within the valve industry he has held various sales and marketing roles in the Texas gulf coast. Todd is an active member of the Houston ISA. At Metso, Todd holds the current role of Strategic Account Manager.

Workshop II Information

Workshop starts at 5:30 PM:

Title: Keep Distillation System on Spec at Max Rates

Speaker: Charles D. Herzog, P.E.

Abstract: Distillation often represents the final step in the manufacture of oil or petrochemical products before they are sent to the customer. It is essential for the supplier's products to meet specification requirements at all times for customers to have complete confidence in the supplier.

When distillation systems are operated at or near the capacity of the equipment, composition controls may not work as intended and the frequency of off-spec incidents can increase.

This presentation discusses straightforward steps to manage equipment constraints and reduce variation of product composition to ensure consistent on-spec production at both normal and maximum rates.

Some of the topics discussed include:

- Objectively evaluating current distillation operations
- Setting the correct operating target for a product with a hard specification
- Identifying and overcoming disturbances that increase process variation
- Designing a DCS control strategy to prioritize the primary product over the secondary product
- Developing a process model to help operate the system while the analyzer is being calibrated

Bio: Charles D. Herzog, P.E.

Charles Herzog served the oil refining and petrochemical industries for over 40 years before retiring from full-time work in 2015. During his career, Charles has had assignments covering a wide variety of skill areas, including:

- Process design
 - Ethylene plant operator
 - Startup tech support
 - Advanced process control (Multivariable and DCS-based)
 - Test run management and accounting
 - Ethylene technology, specializing in high purity distillation operations
-

May 2018 STS-AIChE Chair's Letter – Carlos Salamanca

Hello South Texas Section,

STS-AIChE along with other professional organizations in the Houston area are preparing for one of the biggest events in town: the Offshore Technology Conference. STS AIChE will participate directly in OTC with over 14 sessions (8 AIChE Tech + 1 Collaborative + 2 Collaborative Panels + 1 Sponsor Lunch + 2 Collaborative Breakfast) besides participation in the Next Wave program. Looking forward for such a great 50th OTC event.

The Young Professionals are organizing our traditional summer Houston Astros baseball game. Astros will play the Texas Rangers on July 27th. It is a great opportunity to bring along family and friends. Please save the date on your calendars for our 75th anniversary celebration on November 3rd at the Houston Racquetball Center. We will start providing more details soon.



US shale oil production is expected to increase in May for the fourth consecutive month, boosted by record production in many American regions. The expanding production has led to bottlenecks as pipelines transporting the crude have filled more quickly than expected. That explains why there are more opportunities of new projects in our industry bringing in more job openings.

Meeting in May will include Tom Williams, from Honeywell, who will be presenting: Better Decisions Faster: Simple Things Can Reduce Incidents and Improve Operator Performance. Prior to this presentation, we will have two workshops. First one will include - Evaluating valve condition: a part of any safe and efficient operation - with Steven Obermann and Todd Harrison, from Metso; and the second one includes Keep Distillation System on Spec at Max Rates Speaker, with Charles D. Herzog, P.E. as the speaker.

As Chair, I want to help you become a better professional. I want to provide you the greatest value for your participation with the STS-AIChE. Please tell us, what topics YOU want to hear from us. What topics, questions, or scenarios do you want us to cover in our next meetings that will help you get to your next level? Where do you see the Chemical Engineering profession in 10 years? Ten years from now you will surely arrive. The question is - Where? We don't want to kid ourselves about where; we don't want to kid ourselves about the road we're walking.

Looking forward to talk to you



Monthly Meeting Sponsorship – Benefits

Bronze (\$500 – \$1,000) Non-Exclusive benefits	Silver (\$1,000 - \$2,999) Non-Exclusive benefits	Gold (\$3,000+) Exclusive benefits
<ul style="list-style-type: none"> • Sponsor Logo display in the Newsletter and in the meeting slide show • Acknowledgement at the meeting • “Sixty seconds of shameless self-promotion” at the dinner meeting • Two complementary dinner tickets • Invitation to recruiting events • Social Media exposure 	<ul style="list-style-type: none"> • Bronze benefits above plus the following: • A slide from the sponsor in the dinner meeting announcement slide • A display table at the dinner meeting • Two (2) additional complementary dinner tickets for a total of four (4) 	<ul style="list-style-type: none"> • Silver benefits above plus the following: • Sponsor to designate the invited Speaker and suitable topic for the dinner meeting • Company season pass (1) • One (1) Booth at Energy or Water Forum Meetings

LEARN ■ CONNECT ■ LEAD

Sponsors for 2018—Thank You



STS-AIChE Annual Awards

It's STS Awards Nomination Time!

Nominations are being accepted thru May 1, 2018 for the following STS Annual Awards:

- **2017 STS Best Applied Paper Award**
- **2017 STS Best Fundamental Paper Award**
- **2017 STS Best In Practice Paper Award ****NEW!!******
- **2017 STS Outstanding Young Professional Award (Under 35)**
- **2017 STS Distinguished Service Award (Over 36)**
- **2017 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
2017 Annual Awards Nomination Form**

THIS NOMINATION FORM MUST BE RECEIVED BY **MAY 1, 2018** 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 may wish to join STS or STS and AIChE until May 31, 2018 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:

STS-AIChE Annual Awards

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

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

2017 STS Outstanding Young Professional Award (*Under age 35*) _____

2017 STS Distinguished Service Award (*Over age 35*) _____

2017 STS Best Fundamental Paper Award _____

2017 STS Best Applied Paper Award _____

2017 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, 2018 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.

Young Professional of the Month: Bryan Pourchot



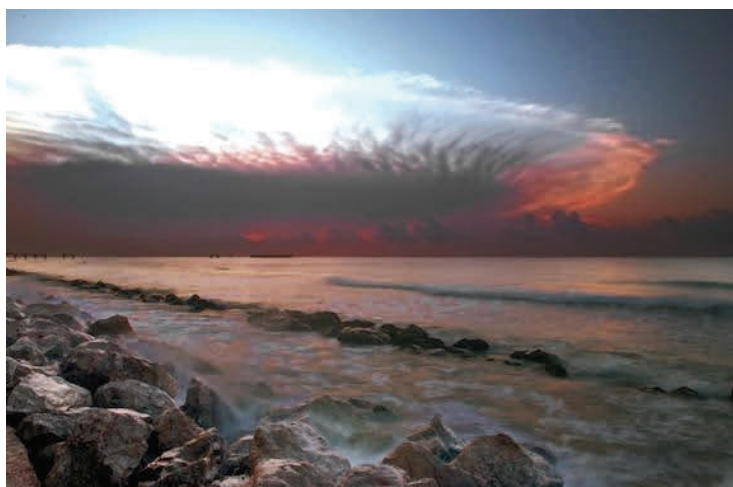
Bryan obtained his B.S. in Chemical Engineering from the University of Houston in 2007. He has held multiple positions in process design and technical sales in the fields of refining, petrochemical, fossil power, safety, and process sealing over the last eleven years. He has hosted and organized a number of social and networking events for chemical engineers during his tenure at a Young Professional for the AIChE-STS.

10th Southwest Process Technology Conference, Call for Volunteers

October 9-10, 2018

[Moody Gardens Hotel and Convention Center](#)

The South Texas Section of the AIChE, in partnership with AIChE HQ, is hosting its Tenth Annual Southwest Regional Process Technology Conference at the Moody Gardens in Galveston, TX on October 9 & 10, 2018. The conference provides technical sessions, industry solutions in process technology, and networking opportunities for the nearly 500 chemical engineers and students that attend.



CALL FOR 2018 SPTC VOLUNTEERS:

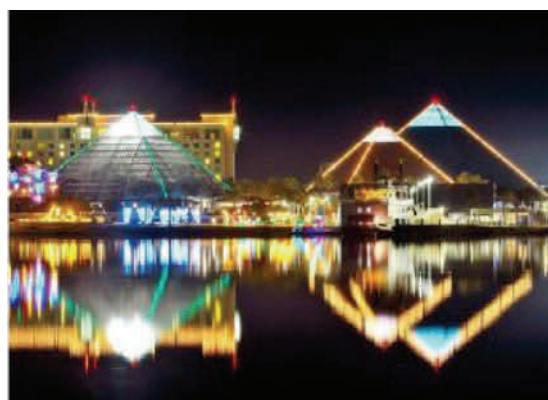
Volunteer duties typically include working at registration, as session aides for the technical presentations, assisting exhibitors, working meal lines and collecting event tickets.

Volunteers will receive free registration for the day or days they volunteer. If you are interested contact David Silarski at sts-membership@aiche.org and let him know if you can work one or both days.

Further information including confirmation and a schedule will be sent out later. It will be a greater conference because of your assistance.



Southwest Process Technology Conference



STS-AIChE Volunteer Outreach

Four STS volunteers (Matt Kolodney, Yurika Diaz Bialowas, Carol Schmidt, and Fanxu Meng) staffed our table at the annual Scout Fair at NRG Arena on April 14, 2018. We doubly appreciate their dedication when others were busy with their tax returns or whatever. A current scout and future ChE is shown by our STS banner. Yurika brought hands-on experiments for balloon inflation (with CO₂) and slime-making. Two future ChEs are shown in action. Carol brought a plastic set for building something cubic (a crystal). A crystal is shown with two inclusions.



Upcoming Events

Diamond Jubilee Celebration: South Texas Section of AIChE

When: Saturday, 3rd November 2018
7 pm – 11 pm



More details coming soon!!

Upcoming Events

AIChE Virtual Career Fair



Chat Directly with Employers - Online **Career Fair**

Find your next chemical engineering opportunity without leaving your seat. Register today for the [AIChE Virtual Career Fair](#), an online event, which takes place on Thursday, May 3, 2018.

Registration is EASY and it's FREE to attend! The AIChE Virtual Career Fair connects you - in real time - with employers who are looking for chemical engineering candidates (B.S. through Ph.D.) to fill both entry-level and experienced positions. Simply create an account and upload your resume today! On the day of the event, log in from anywhere – and chat with recruiters looking to fill their open positions. Don't miss your chance to interview with multiple organizations all in one afternoon.

Before taking part in the Virtual Career Fair, consider polishing your job hunting skills by taking advantage of AIChE's many career webinars/articles. [Click here](#) to find out more.

Upcoming Events

May 4th First Friday Networking Lunch

The next STS-AIChE First Friday Networking Lunch (FFNL) will be held on Friday, **May 4th from 11:30AM - 1:00PM** at the **Wyndham Houston West Energy Corridor Park Restaurant and Grill** ([14703 Park Row Dr. Houston, TX 77079](https://www.wyndhamhotels.com/houston/wyndham-houston-west-energy-corridor-park-restaurant-and-grill)). The restaurant is located on the east side of the hotel and there is designated parking available. The lunch cost \$11 all included (tax, tip, drinks and food) after the South Texas Section has subsidized this event by \$5 per attendee. You pay for the lunch when you walk into the Park Restaurant at the Wyndham hotel. **Everyone is welcome to attend!**

Register at the AIChE STS website.

Topic: Marketing Strategies for Job Search Success (Regardless of the State of the Economy!)

Speaker: Terry Suffredini

Are you discouraged, frustrated and demoralized in your job search? Has the tight job market of the last few of years just plain worn you out? This is likely to be your experience if you've been relying on online job postings and outdated resume formats to get results, as many do. Now that things in the job market for engineers are starting to turn around here in Houston, this is the perfect time to find not only a job, but one that truly resonates with who you are. Job search can become a fun adventure when you approach it with the right strategies and mindset. This talk will give you the basics you need to put you at the top of hiring managers' lists and end up with work that makes you want to get out of bed in the morning!



Terry Suffredini, PE is The Engineer's Coach. After earning her degree in Chemical Engineering from UT - Austin, she spent more than 2 decades working in the environmental field. She later transitioned into process design and then into project management, working mainly with large (\$350MM+) midstream oil and gas EPC projects and leading a team of 100+ professionals. On the side, Terry is a certified Life and Career Coach. In that role, it is her mission to use her extensive experience and demonstrated abilities to help fellow engineers excel both personally and professionally.

Have suggestions for future topics, formats and speakers? Please contact Fabian Solberg at fabian.solberg@eisenmann.com or +1 (815) 307-5746

Upcoming Events

May 18th Third Friday Process Networking Forum

The next STS-AIChE Third Friday Process Networking Forum will be held on Friday, **May 18th from 11:30AM - 1:00PM** at the **Pipeline Grill** ([10003 Spencer Hwy, La Porte, TX 77571](https://www.google.com/maps/place/10003+Spencer+Hwy,+La+Porte,+TX+77571/@29.354,95.454,15z)).

Costs: There is no registration fee. The lunch menu ranges from \$8 to \$12, and the South Texas Section will subsidize lunches by \$3 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.

Register at the [AIChE STS website](https://www.sts-aiche.org).

Topic: Guarding Against Plant Security Breaches

Speaker: Cody D. Rosier

Cody Rosier, an HS&E Corporate Director at Zalemo, oversees Health, Safety and Environmental programs, Health, Safety and Environmental compliance, safety managers, safety technicians and corporate initiatives across the United States and abroad. Cody has worked in a management capacity for companies such as Stork, Ohmstede, Austin Industrial, and currently Midwest Steel Company, Inc. on a global scale, and has years of experience in the oil and gas industry (on & off shore) from exploration and drilling to refining as well as chemical manufacturing. Cody has been responsible for HS&E compliance on several large projects during his career as well as reorganization and restructuring of safety departments at an executive level. Cody holds numerous certifications in HS&E and regularly delivers lectures at regional colleges and companies regarding the building of a true safety culture as well as bridging the gap between safety and production.



- The business of Zalemo is to help industrial plants Identify potential vulnerabilities to the security of their employees, data, and physical facilities.
- Zalemo does this by developing tactics to infiltrate and bypass or overcome existing security measures that may be in place, and recommending counter-measures to defend against adversaries who might seek to destroy, disrupt or outwit our clients.
- Cody will explain why it has never been more important to maintain sound security control, given that threats are growing exponentially with every passing day.

Have suggestions for future topics, formats and speakers? Please contact David Alexander at davidalexanderlaw1249@gmail.com or call 832-372-2926

Upcoming Events

OTC Energy Challenge and The Next Wave: STEM

OTC Energy Challenge and The Next Wave: STEM

Wednesday, May 2 | 11:00 a.m. – noon



Concept: Students listen to STEM career pitches from industry professionals and real-time vote for their favorites.

Objective: Provide additional **mentoring and education opportunity** to OTC Energy Challenge students and **energize The Next Wave** heading into their session.

Request: We are **looking for dynamic industry professionals** within the categories below (2-3 each) who could speak to their career/discipline. Think of this as a career sales pitch, catering to an audience of 70-80 high school students.

- Petroleum/reservoir engineer
- Chemical/process engineer
- Geologist / Geophysicist
- Computer scientist
- Financial analyst
- Energy trader
- Legal
- Business development

Contact: For more information, please contact Sarah Lucas, OTC Energy Challenge Project Manager (Sarah.Lucas@bp.com), and Ernesto Cedeno, The Next Wave Chair (ernest.cedeno@gmail.com).



Upcoming Events

STS Young Professionals

STS Young Professionals Planning and Social Event - May

On Friday, May 18th, the Young Professionals will be hosting a Happy Hour! The location is yet to be decided and will be sent out at a later date. Join us for some after-hours conversation, networking, and drinks provided by the Young Professionals.

Feel free to bring your colleagues!

Date: **Friday, May 18th**

Time: **5:00 pm - 7:00 pm**

Location: **TBD**

No RSVP necessary!

For questions, contact the STS-YP Chair by e-mail at sts-yp@aiche.org.

STS Young Professionals - Astros vs Rangers Outing - July 27th 2018

The AIChE STS Young Professionals group invites you to a night out at the Houston Astros game on Friday, July 27th 2018. Come out and see the hottest team in baseball when our home down Astros take on the Texas Rangers at Minute Maid Park.

The cost of attending is only \$25 per person, which covers your seat (Section 134). You are more than welcome to bring along a friend, or two or three, to the game. There is a limit of 4 tickets per person. We hope to see you there!

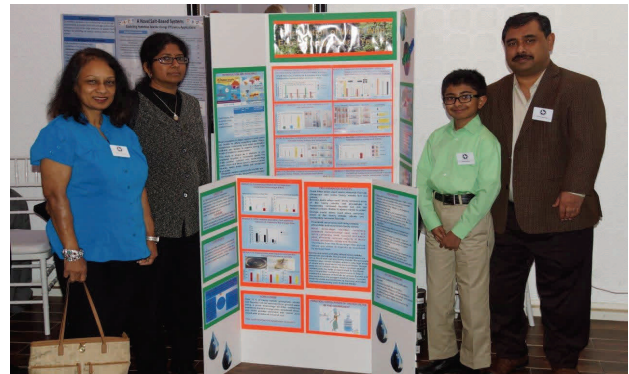
A link to the tickets will be posted soon.

For questions, contact the STS-YP Chair by e-mail at sts-yp@aiche.org.

April Events

April Dinner Meeting

Here are some photos from the April Dinner Meeting that was held at Shaffaii Hall and Garden on the 5th of April. In addition to the dinner presentation, there was a Texas Industrial Energy Management Forum that had a number of poster presentations.



April Events

1st Friday Process Networking Forum Meeting

STS-AIChE First Friday Networking Lunch (FFNL) was organized on April 6th, 2018 at the Wyndham Houston West Energy Corridor Park Restaurant and Grill. The networking event was attended by 24 professionals representing the Chemical and Oil & Gas industry in Houston, Texas. The event kick off with a 30-minute networking opportunity followed by a presentation by Dr. William Pittman on the topic of “Using 3D Mapping Studies to Design Flame and Gas Detection Systems”. Dr. William Pittman, is a Fire and Gas Detection Consultant at Micropack Detection (Americas) based in Houston, Texas.

Fire and Gas Detection systems play a crucial role in Loss Prevention. Formal Safety Assessments such as Quantified Risk Assessments (QRA) often assume that Fire and Gas Detection Systems will reduce risks, yet when it comes to design; it is often difficult to quantify the parameters involved with little guidance to achieve performance to safety requirements.

The presentation discussed how 3D models are being used to develop enhanced fire and gas detector layouts which are cost effective and compliant with design standards. The methodology presented is based on leading industry guidance and specifies risk-based performance targets for the system. It further assesses the system's ability to detect target fires using the actual geometry of the space and field of view of the selected detector - where available.

The presentation was very well received with lots of follow up questions from the audience on how the performance targets were specified and 3D modelling.



April Events

3rd Friday Process Networking Forum Meeting

The 3rd Friday Process Networking Forum meeting for April was held at the Pipeline Grill in LaPorte on the 20th. The speaker was Margaret Johnson, on the topic of Risk Taking at work, and life in general – how one's tolerance for risk and managing it can impact your career. 20 people attended.



Ms Johnson is seated 3rd from left in the front row



The presentation was not only informative, but engagingly interactive through “games” to demonstrate the principles. The formal slide presentation can be viewed on the STS website for the benefit of those who were not able to attend.

April Events

STS Young Professionals Planning and Social Event

On Friday, April 6th, the Young Professionals hosted a Happy Hour at Sherlock's Pub! We had an active discussion on the YP planning for this year, and are still looking for volunteers for various events including, but not limited to, educational programs, AIChE conference in Orlando, OTC, and other volunteer events.



STS-AIChE 2018 Meeting Schedule

Date	Location	Meeting Details (Speaker/Company/Topic)
January 11	Bougainvilleas	Process Safety
February 1	The Battleground Golf Course	Alignment, Engagement and Execution: Creating Strong Team Performance and Results –Or, How to Herd Cats!
March 1	Bougainvilleas	The Power of Modelling – Then, Now and Expected
April 5	Shafaii Hall and Garden	Energy Forum, Trends in LNG – Bigger isn't always better
May 3	Bougainvilleas	Tom Williams, Global Leader of Operator Effectiveness at Honeywell Process Solutions and Director of the Abnormal Situation Management Consortium (ASM) ; Better Decisions Faster: Simple Things Can Reduce Incidents and Improve Operator Performance.
September 6	Bougainvilleas	TBD
October 9	Moody Gardens	Southwest Process Technology Conference (SPTC) TBD
November 1	Shafaii Hall and Garden	Water Forum
December 6	Trini Mendenhall Community Center	Workshops

This coming year features many great speakers and topics at our STS AIChE Dinner meetings. We look forward to seeing you at each meeting.

STS-AIChE 2018 Season Pass

2018 STS-AIChE Patrons

Name	Affiliation
Travis Fixmer	Huntsman
Gary Miller	Air Liquide
Carlos Salamanca	SCG
Yurika Diaz Bialowas	Chemstations Inc.
Sanjay Sharma	Honeywell
Fabian Solberg	Eisenmann Corporation USA
David Rosenthal	RSIC
Ravi Saxena	ANR Consulting
Vic Edwards	VHE Technical Analysis
Trevor Rice	Chemstations Inc.
Gus Georgetown	Stress Engineering Services
Wendy Young	Chemstations Inc.
Syamal Poddar	Poddar & Associates
George Redd	Synergen Consulting
Dale Embry	ConocoPhillips
Thomas Rehm	TERehm Consultancy LLC
Joseph T. Ramey	Westchase Design LLC
Kamal Shah	IHI E&C International
Matthew Kolodney	Entech Engineering
Arnab Bakshi	Bechtel Hydrocarbon

Name	Affiliation
William Paul Waits	
Matthew Clark	Armstrong Engineering Associates
James Turner	Fluor
Julie D. White, P.E.	
Thomas E Menn	
George Duane Vouraceris, P.E.	Airgas Merchant Gases
Jordan Pearce	PSE
Dimitrios Georgis	PSE
Jack Chosnek	KnowledgeOne LLC
Maximo Salazar	
Nicholas D'Ambrosio	En-Fab Inc.
John Middleton	WorleyParsons
Helen Kester	Fitiri
YP	STS AIChE YP Guest
Carol Schmidt	Wood
Erin Green-Colaco	
Larry Chriswell	Keelson Company
Jim Brigman	Ingenero Inc

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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Houston, TX 77242

2018 Officers and Contact Information

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Awards: [Tom Menn](#)
Membership: [David Silarski](#)
Webmaster: [Phil Purpich](#)
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.

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