

# The South Texan



Thursday, February 2, 2017  
Monthly Meeting @ Brady's Landing  
([8505 Cypress St. Houston, TX 77012](#))

5:30PM - 6:30PM Workshops  
6:00PM - 7:00PM Social/Networking Time  
7:00PM - 8:00PM Dinner  
8:00PM - 9:30PM Dinner Presentation/Speaker

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

## February Dinner Meeting

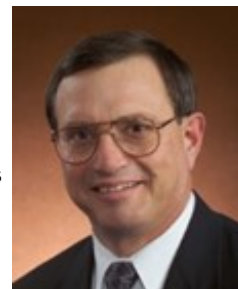
**Dinner Speaker:** Leonard Levine P.E., Gulf Coast waste Disposal Authority

**Title:** *Biological Wastewater Treatment in the Chemical Industry*

**Abstract:** Over the last half century the treatment of wastewaters from chemical industry has changed driven by changes in environmental regulations. This presentation illustrates how technology has adapted to the ever changing regulatory environment using real life examples of plant upgrades.

**Bio:** Leonard Levine is a licensed Professional Engineer with over 40 years of experience in the design and operation of industrial wastewater treatment facilities including the development and implementation of operator training programs for wastewater operators. Currently he serves as Technical Director for Gulf Coast Waste Disposal Authority (GCA) where he is responsible for the oversight of technology selection, design and operation for all GCA facilities. Leonard has been employed by GCA since 1980. Prior to his career at GCA, he was a consultant who did process design and operational upgrade work in a variety of industrial wastewater treatment sectors.

Over the years Leonard has coauthored and presented technical papers on a verity of subjects including control of VOC in industrial wastewater treatment facilities, process controls at industrial wastewater facilities, regionalization, disinfection, wastewater analytical and project implementation.



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## Meeting Registration Information

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

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

**NOTE:** Please bring your receipt. You have until 4PM CST on February 1st, 2017 to pre-register online. After that, you will be required to pay the higher cost at the door.

## Meeting Location— Brady's Landing



This month's meeting will be held at Brady's Landing ([8505 Cypress St, Houston, TX 77012](https://www.google.com/maps/place/8505+Cypress+St,+Houston,+TX+77012/@29.761,95.381,15z)).

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

# MITIGATE HEAT EXCHANGER FOULING

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

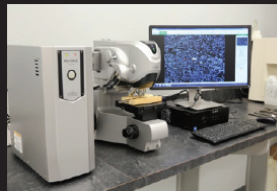
- Measure the fouling propensity of a crude
- Evaluate the benefits of anti-foulant additives
- Assess the impact of production additives
- Compare the fouling potential of different crudes or blends
- Estimate fouling thresholds for temperature and velocity
- Evaluate the impact of metallurgy

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

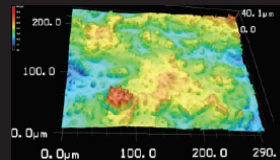
Contact us to learn how we can help:  
**[contracts@htri.net](mailto:contracts@htri.net)**



One of three fouling research rigs



HTRI's laser scanning microscope



Three-dimensional model of deposit from laser scanning microscope

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## PSM Workshop

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### PSM Workshop starts at 5:30 PM

**Title:** LNG: Process Safety and Regulatory Challenges

**Speaker:** Jack Chosnek, Process Safety Consultant

**Abstract:** With the abundance of natural gas the production of LNG in the U.S. is increasing in spite of a downturn in the world's economy and falling oil prices. The change from importing LNG which requires only gasification, to exporting it which requires natural gas liquefaction, has had a significant impact on the way LNG is regulated and brought also additional process safety considerations in the design and operation of LNG liquefaction plants. The regulatory process is coordinated by the Federal Regulatory Energy Commission (FERC) for onshore and near-shore facilities and by the Maritime Administration (MARAD) for offshore facilities. The process safety aspects and the regulatory impact, which can involve up to 15 federal agencies besides some state agencies, will be discussed.

**Bio:** Jack Chosnek has over 40 years of experience with involvement in process safety in the majority of them, in both management and staff positions. He has consulted for companies in the chemical, refining, oil and gas, offshore, LNG, waste management and mining industries, developing policies and implementing process safety management systems, facilitating PHAs and LOPA/SIL studies, conducting incident investigations and conducting process safety audits and gap analyses. He has developed software for PHA facilitation, Management of Change (MOC) and a Hazards Register. In the last four years he has been the principal risk engineer in three multi-billion dollar projects, two FEED projects - coal to gasoline and LNG, and one LNG EPC project.

Jack has a BS and MS from the Technion—Israel Institute of Technology, and a PhD from the University of Missouri at Rolla. He is a Licensed Professional Engineer in the State of Texas. He has been the chair of the STS PSM Workshops since 2003 and is the chair of the Technical Advisory Committee of the Mary Kay O'Connor Process Safety Center.

## Workshop

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### Workshop starts at 5:30 PM

**Title:** Opportunities for Chemical Engineers

**Speaker:** Victor H. (Vic) Edwards, PhD, PE(TX)

**Abstract:** Older STS members will remember the disastrous employment situation of the 1980s when oil prices dropped, the government Synfuels Projects were cancelled, and there was also a recession. STS developed an office called Chemical Engineering Opportunities, that inspired the title of our workshop today. Brown and Root, the predecessor of KBR, provided an office with a telephone and a computer that could be used by STS volunteers to identify and post job opportunities, as well as by STS members seeking new employment opportunities.

During that period, many chemical engineers embarked on new careers with new employers.

Here in Houston, we usually have a robust market for chemical engineers in petrochemicals, engineering design, and energy. In addition to employment agencies and executive recruiters, AIChE maintains a well-organized guide for job seekers with a searchable database of positions throughout the US. There are currently 878 opportunities listed at <http://careerengineer.aiche.org/jobseeker/search/results/>

There are many other industries, such as agricultural products, environmental services, fine chemicals, food processing, forest products, semiconductor products, sustainable development, and pharmaceuticals, where chemical engineers are making important contributions. In addition, chemical engineering is also a great background for business management, law, medicine, and biomedical engineering, to name a few.

During the first half hour, I will share my experience from a fifty-year career on how to get and keep a good job.

Then we will open up the workshop for a group discussion of how we can do better.

**Bio:** Vic retired in 2013 after 30 years with IHI E&C and predecessor companies. His experience includes chemical process design, process safety management including LNG, hydrometallurgical processes, and off-shore projects, and process and environmental technologies. He received five DuPont Awards for Safety, Health, and Environmental Excellence. In 1998, he was Employee of the Year. He received the 2002 Service Award from the Process Safety Center at Texas A & M University. In 2007, Vic received the HSE Excellence in Design Award. In 2015, he received the Walton-Miller Award from the Safety and Health Division of AIChE.

Earlier in his 50-year career, Vic held faculty positions at Cornell University and Rice University and served at the National Science Foundation on leave from Cornell. He also held positions at Merck, Fluor, and United Energy Resources.

Dr. Edwards is a Registered Professional Engineer. He earned a PhD degree in chemical engineering from UC Berkeley and a bachelor's degree from Rice. He is an AIChE Fellow. He has published more than 70 technical articles and several book chapters; he has one U. S. patent. Vic edited section 10 of the 8th and 9th Editions of Perry's Chemical Engineers' Handbook. Edwards chaired the 9th Global Congress on Process Safety in 2013. Vic serves on the Editorial Board of Chemical Processing and the Technical Advisory Committee of the Process Safety Center at Texas A & M. He is a member of AAAS, ACS, NFPA, NSPE, and the New York Academy of Sciences.

Vic now enjoys an active retirement of consulting, editing, and writing, while treasuring more time for family and friends.

## February 2017 STS-AIChE Chair's Letter – David Rosenthal

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

We started 2017 with a strong showing of over 100 attendees on January 12! We were treated to an excellent presentation by Julie D. White who is a Senior Loss Prevention consultant with SIS-Tech Solutions speaking on **Improving Operational Resilience Using Dynamic Simulation**. Our February meeting promises to be another informative presentation by Dr. Leonard Levine, Technical Director from Gulf Coast Wastewater Disposal Authority who will be speaking on **“The Oldest Bio-Reactor – Wastewater Treatment”**.

My focus is all about bringing value to every member of our section no matter how they interface with our organization. Our Dinner meeting program for 2017 includes:

January - Improving Operational Resilience Using Dynamic Simulation  
February - The Oldest Bioreactor - Wastewater Treatment  
March - Port Of Houston Authority  
April - Energy Forum - Engineers in Government  
May - Good Engineering Practice for Emergency Relief System Design  
June – Houston Ship Channel Tour  
September - Process Safety  
October- Southwest Process Technology Conference Dinner  
November- Water Forum - Houston Subsidence District



I have been asked why I was involved in AIChE for now over 35 years! At first the answer was simple; I could practice my career skills in leadership, public speaking, project management, and writing with a low risk of “hurting” my career. I maintained this focus until I became the National President in 2012. I encourage you to do the same. We are looking for help with our Newsletter and our Audio / Visual team. Please consider volunteering your time!

We continue to look for sponsoring companies for our meetings. We have three levels of sponsorship. Your sponsorship lowers the price of our Dinner meetings for our members. At a minimum, your company has an opportunity to speak to our Dinner meeting attendees, provide literature, and attend the meeting complimentary. Please consider being a Bronze, Silver or Gold sponsor!

We are also looking for Dinner meeting locations. Can your company host a Dinner meeting? All we need is space for 80 people, workshop space, catering, and parking. We will even provide the speaker!

It is not too late to take advantage of our Season's Pass now only \$131. Are you missing meetings because you forget to register? Do you look forward to seeing your colleagues each month? Do you enjoy the topics we discuss each month? I urge you to sign up for the Season's Pass for 2017. It is a great way not to forget to register. So go to our website and sign up!

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## February 2017 STS-AIChE Chair's Letter – David Rosenthal

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Our section also provides value in many other ways to our members. We are committed to assisting those looking for work through many different approaches. We are now holding First Friday meetings at the Omni Westside in Houston for those who need to network. At our Dinner Meetings we also identify name badges with those looking for work so others can provide advice. We also, announce opportunities and those who are looking for work during our Dinner meetings.

Value for our section is provided by the outreach we provide to other groups in the Houston area such as Young Professionals (YP), K-12, and college students. February meeting is College Night! We will be hosting local College Students and offering workshops on important topics as Process Safety. Our YP group is arranging their events including their monthly happy hours. We also look forward to our YP's attending our Dinner meetings where they meet with our "very" experienced members.

We are truly fortunate in our section to have colleagues with years of experience. It is important that we continue to recognize these individuals through our 50 year recognition and other awards. Tom Menn and Tom Rehm do an excellent job ensuring these individuals are recognized. We recently recognized our past YP Chair, Trevor Rice, and our Past Section Chair, Syamal Poddar for their service to the local section.

Remember, any member can attend our Executive Committee meetings held on the second Thursday of each month at La Madeleine at 10001 Westheimer Rd, Suite 2123, Houston, TX 77042 to volunteer to help.

I closing, I again take this opportunity thank you for your past support and I look forward to meeting each of you at an AIChE STS event.

David Rosenthal  
2017 Chair  
AIChE STS

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## STS-AIChE Annual Awards

### STS 2016 YP Chair Appreciation Plaque

At the January 12 South Texas Section Monthly Dinner Meeting at Brady's Landing, Trevor Rice was presented with the 2016 South Texas Section YP Chair Appreciation Plaque for his tireless efforts as 2016 STS YP Chair. by 2017 STS Chair David Rosenthal.

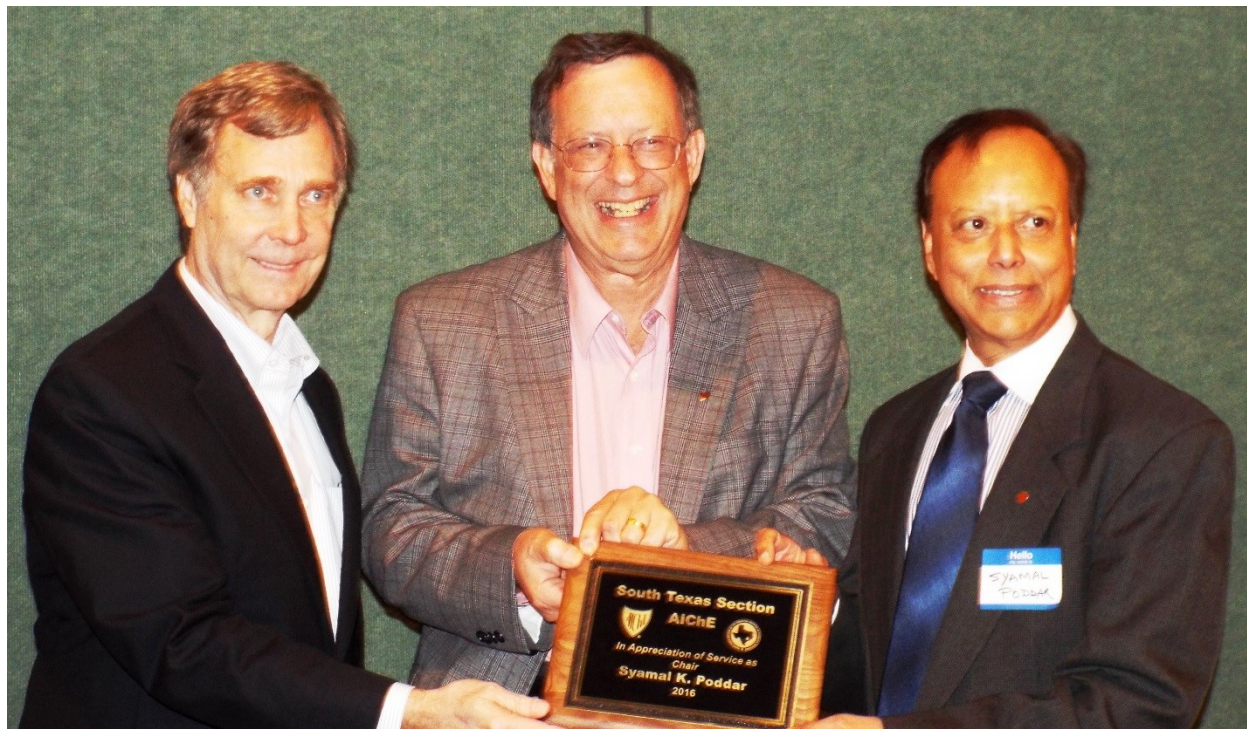


2016 STS YP Chair Trevor Rice (C ) is receives his 2016 STS YP Chair's Appreciation Plaque from 2017 STS Chair David Rosenthal (L) while AIChE Secretary Freeman Self (R ) looks on with approval.

## STS-AIChE Annual Awards

### STS 2016 Chair Appreciation Plaque

The January 12 South Texas Section Monthly Dinner Meeting at Brady's Landing served as a venue for 2017 STS Chair David Rosenthal to present the 2016 South Texas Section Chair Appreciation Plaque to Syamal Poddar in recognition of his tireless efforts as 2016 STS Chair.



2016 STS Chair Syamal Poddar (R) is receives his 2016 STS Chair's Appreciation Plaque from 2017 STS Chair David Rosenthal (C) and AIChE Secretary Freeman Self (L).



## Awards

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### *It's Awards Time!*

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

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

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

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

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

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

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

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

## Awards

### South Texas Section – AIChE 2016 Annual Awards Nomination Form

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

Mail the completed form to:

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

[ThomasMenn@SBCGlobal.net](mailto:ThomasMenn@SBCGlobal.net)

[Ryan.Stephens@shell.com](mailto:Ryan.Stephens@shell.com)

[Matthew.Christiansen@shell.com](mailto:Matthew.Christiansen@shell.com)

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

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

NOMINATOR'S NAME: \_\_\_\_\_

ADDRESS:

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

TELEPHONE NUMBER: AC: \_\_\_\_\_ NO: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

I wish to nominate \_\_\_\_\_

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

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME: \_\_\_\_\_

ADDRESS:

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

TELEPHONE NUMBER: AC: \_\_\_\_\_ NO: \_\_\_\_\_

E-MAIL ADDRESS: \_\_\_\_\_

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

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

2016 STS Distinguished Service Award (*Over age 35*) \_\_\_\_\_

2016 STS Best Fundamental Paper Award \_\_\_\_\_

2016 STS Best Applied Paper Award \_\_\_\_\_

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

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

## Awards

Please enter the name of the 2016 Best Paper again:

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

Enter the contact Author's name again:

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

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

### MEMBERSHIP

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

Co-Author # 1: \_\_\_\_\_

Co-Author # 2: \_\_\_\_\_

Co-Author # 3: \_\_\_\_\_

Co-Author # 4: \_\_\_\_\_

Co-Author # 5: \_\_\_\_\_

Co-Author # 6: \_\_\_\_\_

Co-Author # 7: \_\_\_\_\_

Co-Author # 8: \_\_\_\_\_

Co-Author # 9: \_\_\_\_\_

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

For Best Paper Nominations, please provide following information:

NAME OF PUBLICATION: \_\_\_\_\_

DATE OF PUBLICATION: \_\_\_\_\_

VOLUME NO. (If known): \_\_\_\_\_ PAGES: \_\_\_\_\_ to \_\_\_\_\_

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

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

## STS-AIChE 2017 Monthly Dinner Meeting Schedule

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

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

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

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

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

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



## STS-AICHe 2017 Season Pass

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### General Comments

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

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

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

### Frequently Asked Questions (FAQ)

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

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

#### **What if I cannot attend a dinner meeting?**

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

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

Even the most dedicated members cannot make every meeting. The season pass is priced assuming that you will miss a meeting. If you can provide at least a one week notice, by e-mailing the Chair-Elect at [sts\\_chairelect@aiche.org](mailto: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.

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## STS-AIChE 2017 Season Pass

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### 2017 STS-AIChE Patrons

Name	Affiliation
Dale Embry	ConocoPhillips
Yurika Díaz Bialowas	Chemstations Inc.
David Rosenthal	Reliability Strategy and Implementation Consultancy, LLC
Erin Green	
Gary Miller	Air Liquide
George Redd	S&B Engineers
George Vourazeris	Air Liquide Industrial U.S. LP
Gus Georgetown	Stress Engineering Services
Irvin Osborne-Lee	
Jack Chosnek	KnowledgeOne
Jeffrey Melland	Melland Consulting LLC
Matt Kolodney	
Morgan Reed	
Ravindra Saxena	
Sheena Reeves	
Syamal Poddar	Poddar & Associates
Thomas E Menn	
Thomas Rehm	TERehm Consulting LLC
Travis Fixmer	Huntsman
Jordan Pearce	Process Systems Enterprise (PSE)
Dimitrios Georgis	Process Systems Enterprise (PSE)
Victor Edwards	VHE Technical Analysis
Ronald Lutz	Braskem America
Carol Schmidt	SGL Group
Joseph Ramey	Westchase Design, L.L.C.

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**STS-AIChE 2017 Season Pass**

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**2017 STS-AIChE Patrons**

Name	Affiliation
Sanjay Sharma	Honeywell
Matthew Clark	Armstrong Engineering Associates
Trevor Rice	Chemstations
Phillip Purpich	
Paul Waits	
Nicholas D'Ambrosio	En-Fab, Inc

## Upcoming Events Information

### February First Friday Networking Lunch

The "First Friday" networking lunch series is continues into February where the topic is the "Pay-it-Forward Networking Program." With the intention to help lead and grow a grassroots volunteer program to assist professionals in transition in Houston, the Pay-it-Forward Networking Program was started with the simple notion of wanting to help and encourage others. Many have supported this initiative, including Brian Cho and Zulfiya Samedova, who will be speaking at February's lunch. They will be talking about the program's mission and its three key opportunities for networking: tours, training, and panels. The program is primarily for those in transition, but there are ways for those currently employed to become involved as well.

February's networking lunch will be held on Friday, February 3rd from 11:00AM - 12:30PM at the Café on the Lake in the Omni Hotel at Westside (13210 Katy Freeway, Houston, TX 77079). The Café lunch menu ranges from \$8 to \$15, and the South Texas Section will subsidize this event at \$5 per attendee. \*\*Please note the earlier event start time this month to accommodate the speaker.\*\*

This is a networking event to bring together engineers who are seeking to improve their employment situation, with experienced industry management and professionals. Everyone is welcome to attend! Please register at the following link:

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



### 2017 OTC

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

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

[thomasmenn@SBCGlobal.net](mailto:thomasmenn@SBCGlobal.net)





## Upcoming Events Information

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### Science Engineering Fair of Houston - Judging

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Science Fair special award judging will be conducted on Saturday, February 25, 2017 from 1:00 - 3:00 p.m. at the Athletics/Alumni Center at the University of Houston.

Two parking lots, 20A and 20C, have been set aside for free parking.

We ask our participating judges to arrive at 12:30 for registration and coordination.

A happy hour will occur afterwards for our judges.

Notes for judges can be found at the following link for interested people.

For questions or registration, contact me at (713) 471-8956 or [MKolodney1@comcast.net](mailto:MKolodney1@comcast.net)

For people who want to be "place award judges" for the science fair itself, the information is available on the science fair web site: [www.sefhouston.org](http://www.sefhouston.org). Place award judges need to sign up electronically on the SEFH web site, well in advance.

Place award judges are expected to spend all day Saturday as judges. There is a need for chemistry judges.

Address: 3100 Cullen Blvd. , Houston, TX 77004 , United States.

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## STS First Friday Networking Program

On January 6th, Dr. Paul Jukes and Carol Jukes from the Jukes Group spoke with a lunch group on professional & personal leadership.

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

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



## First Colony Middle School Career Fair

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The First Colony Middle School in Sugar Land held its annual career fair for eighth graders on January 26, 2017. Matt Kolodney, Trish Kolodney (Matt's wife) and Kelly Richardson staffed the STS-AIChE booth at the career fair. (A photo of Mr. Kolodney is shown below.) They discussed careers with the students (particularly careers in chemical engineering) . It is very helpful to have engineers present at career fairs because there are few engineers in school systems to discuss engineering careers with students. Eighth grade is a good time to discuss careers because future engineers will need to take the high school classes necessary to apply to engineering school.

February 25th the Science Engineering Fair of Houston will take place at the University of Houston. The STS is looking for volunteers for judging portion.



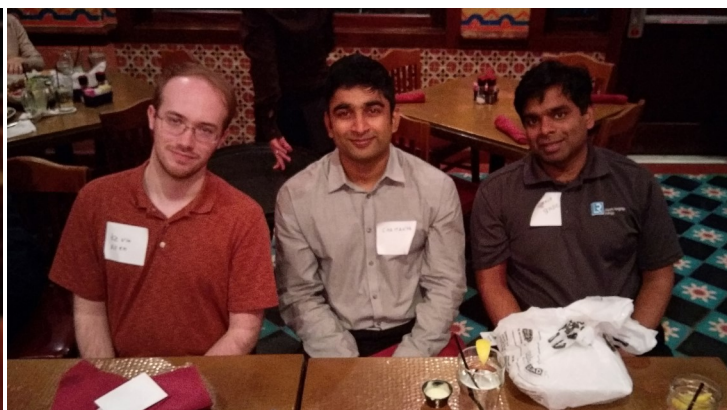


## STS-AICHe YP

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



Planning meeting at Olive Garden  
Fall 2016



Planning meeting at  
Guadalajara Hacienda  
Winter 2017



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## K12 Outreach Volunteers

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AICHE and STS are working to start up K12 outreach programs. We are encouraging STS members to attend various local outreach events and report back to STS and AIChE on their experience. We are encouraging STS members to report back to Matt Kolodney ([MKolodney1@comcast.net](mailto:MKolodney1@comcast.net)) with one-page descriptions of their K12 outreach experiences, what worked well and what didn't. These will be reviewed locally and passed on to the AIChE National K12 program. Some local K12 opportunities are listed below.

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

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

For more information, contact Matt Kolodney (713-471-8956) or [MKolodney1@comcast.net](mailto:MKolodney1@comcast.net).

### **PE PDH Hours Qualified!!**

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

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## Call for Volunteers Official Greeters

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

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

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

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## More Volunteer Opportunities

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In STS-AIChE, we have multiple openings for K-12 volunteers. Instead of you having to reinvent the wheel, we can help you with any of the following:

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

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

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

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

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

If you are interested, or would like further information, contact: Matt Kolodney, STS Volunteer Recruiter at (713-471-8956) or [MKolodney1@comcast.net](mailto:MKolodney1@comcast.net).

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

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](mailto:tom@tomrehm.com) or 832-331-6491.



## South Texas Section AIChE

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

### *2017 Officers and Contact Information*

#### Officers

**Chair** David Rosenthal  
[sts-chair@aiche.org](mailto:sts-chair@aiche.org)

**Chair Elect** Carlos Salamanca  
[sts-chairelect@aiche.org](mailto:sts-chairelect@aiche.org)

**Past Chair** Syamal Poddar  
[sts-pastchair@aiche.org](mailto:sts-pastchair@aiche.org)

**Secretary** Chaitanya Gottimukkala  
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**Treasurer** Yurika Díaz Bialowas  
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#### Executive Committee

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**Position 2: Outreach**  
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**Position 3: Communications**  
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**Position 4: Human Resources**  
Tom Rehm  
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#### Volunteers

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

#### SOUTH TEXAS SECTION MISSION STATEMENT

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

#### Vision 2017

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

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

#### —— SUBSCRIBE/UNSUBSCRIBE INFORMATION ——

Our newsletter subscription list is by invitation only.

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

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

#### —— MAINTAIN YOUR CONTACT INFORMATION WITH STS ——

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

Contact the AIChE for PERMANENT ADDRESS CORRECTIONS:



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



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



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## *The South Texan Newsletter Crew*

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

Contact us at [sts-newsletter@aiche.org](mailto:sts-newsletter@aiche.org) with comments, questions, suggestions, and ideas for next month.

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Seeking Employment  
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