

The South Texan



Tuesday, December 5, 2017

Workshop Only Meeting @ Trini Mendenhall Community Center
([1414 Wirt Rd, Houston, TX, 77055](https://www.google.com/maps/place/1414+Wirt+Rd,+Houston,+TX,+77055))

6:00PM - 7:00PM Workshop I
7:00PM - 8:00PM Workshop II
8:00PM - 9:00PM Workshop III

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

December Workshop Only Meeting

The December Meeting will be a workshop-only meeting.

There will be three workshops

- Refineries and Chemicals Pre-Turnaround Activities via Interface Management presented by Rafiq (Rick) Khadimally
- Become a Better Startup Engineer presented by Charles Herzog
- MILP – a Versatile Method for Production Optimization by Ravi Nath

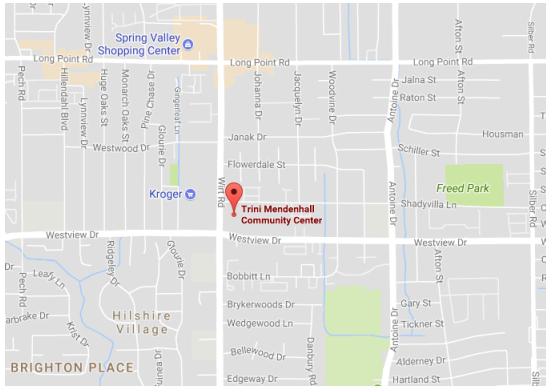
The abstracts for each presentation and bios of the presenters are located on pages three through six.

The December meeting starts at 6:00 PM at Trini Mendenhall Community Center, drinks and snacks will be provided and registration is free.

Inside this issue:

Meeting Details	2-6
Letter from the Chair	7
Awards and Recognition	8-13
2018 OTC	14
Season Pass	16-19
Job Inquiry and Posting	21
2018 STS Networking Lunches	22
Company Liaison Program	23
Contact Information Subscribe/Unsubscribe	24

Meeting Location— Trini Mendenhall Community Center



This month's meeting will be held at Trini Mendenhall Community Center ([1414 Wirt Rd, Houston, TX, 77055](https://www.trinimendenhall.org/)).

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

Workshop I

Workshop I starts at 6:00 PM

Title: Refineries and Chemicals Pre-Turnaround Activities via Interface Management

Abstract: This workshop discusses an efficient mode for tracking Pre-Turnaround activities of Refinery & Chemical plant maintenance projects and Unit upgrades via Web-based Interface Management System similar to that used for offshore mega-Projects. This plan is meant for Small-to-Medium sized Plants where there is no Refinery & Chemicals Pre-Turnaround Activities via Interface Management regimented mode of operation for plant turnarounds. The plan ensures absolute priority for smooth & efficient execution of plant turnaround for ensuring HES (Health, Environment & Safety), controlling the budget over runs, schedule delays within the constraints of safety and quality. This approach amalgamates the Interface Management experience from offshore oil and gas mega-projects and is applicable to Pre-Turnaround activities for Refinery & Chemical plants thus merging the best lessons learned from both the Worlds.

Bio:

Rafiq (Rick) Khadimally, has managed the crucial aspect in Project Management & Interface Management capacities on several oil refinery maintenance projects during turnarounds at LaGloria Refinery in Tyler Texas & Aramco-Petromin Jeddah Refinery, etc. Throughout his career of nearly three decades of project management & interface in USA and international, Rick has performed this role almost of equal duration on

A) Offshore Jacketed Platforms, TLP's, SPAR, Drill-Rigs, and as well as on

B) Refinery unit-upgrades, maintenance projects during Plant Turnarounds.

Rick holds an MBA degree in Global Energy from Bauer College of Business (University of Houston), an Executive Development Project Management program from Rice University, and BS degree in Mechanical Engineering from University of Engineering & Technology where he topped the list with two medals. He is Project Management Professional certified as PMP.

Workshop II

Workshop II starts at 7:00 PM

Title: Become a Better Startup Engineer

Abstract: The excitement of solving a startup problem is one of the best feelings a chemical engineer can have, especially if it is a difficult problem that others haven't been able to solve. Startup work isn't for everyone...the pressure can be overwhelming when problems occur. The key to dealing with the pressure is to methodically use basic engineering fundamentals, such as heat and material balances, to identify and solve problems.

Successful startup engineers prepare in advance, before going to the site. Familiarizing oneself with the P&ID's in advance may save valuable site time.

Once at the site, the engineer uses the pre-startup time to maximize familiarity with the equipment, piping, and DCS. The best time to identify and solve problems is before feedstock is in the plant.

After feed has been introduced, the startup engineer monitors DCS screens and trend data, answers process questions and offers to help in any way possible. There is often a need in the controller tuning area, and basic tuning is easy for most process engineers to learn.

This presentation discusses typical activities performed by startup process engineers, both before and during startup, to maximize their contribution to the team. Some of the subjects include:

1. Line flushing procedures *
2. Hydraulics in general and pump hydraulics in particular *
3. DCS control loops: basic configurations and tuning *
4. Reconciling plant operating data using simulations and process design data*
5. Instrumentation and analyzers: some common problems *
6. A general approach to starting a distillation column *

For items with an asterisk (*), there will be an example from a real startup to illustrate the concept.

Workshop II

Bio: 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:

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

Charles was one of the pioneers of QDMC implementation in the 1980s at Shell's OL-5 unit in Norco, La. His advanced level control algorithm led to the concept of 'ramp variables' being designed into MVPC software.

Charles is the sole inventor of the 'Heat and Material Balance Method of Process Control', patented by Stone & Webster. This 'invention' is a process control strategy to maintain on-spec, steady operation in high-purity distillation systems, in the presence of equipment constraints.

Charles holds a Masters of Chemical Engineering degree from Rice University, and is a licensed P.E. in Texas and Louisiana.

Workshop III

Workshop III starts at 8:00 PM

Title: MILP – a Versatile Method for Production Optimization

Abstract: In essence, Optimization is to find ways to improve performance of a system. So, one could assume that Optimization would be routinely applied to all but the simplest production activities. Yet, optimization is not commonly practiced. Furthermore, there is even some apprehension about Optimization amongst process engineers.

Part of the problem is that traditional engineering curriculum emphasizes only one of the many optimization methods and furthermore the emphasis is usually on details of the algorithm. This optimization method, called Non Linear Programming (NLP), is unfortunately fairly restrictive as it requires that all describing relationships (or functions) be continuous with continuous derivatives. Even then, in general, NLP cannot guarantee global optimum and moreover the solution methods usually lack robustness.

However, there are other optimization methods. One in particular works well for systems that includes functions that are not continuous for which derivatives could not even be defined. It may also include functions that incorporate discrete variables (such as On or Off) or may span multiple operating regimes (such as low and high severity operations). This method guarantees global optimum and furthermore the solution method is fast and robust.

The purpose of this seminar is to introduce you to one such method, called MILP. Emphasis in this seminar would be on developing models; details of the solution algorithm will not be discussed as these algorithms are mature and have been fully computerized. Moreover, they are easily available to each one of us. Modeling of both steady state as well as dynamic systems will be discussed.

Bio: Ravi Nath, Founder, Nath Technology Solutions LLC

After 40 years of service to the process industries across the globe, Dr. Nath retired from Honeywell Advanced Solutions in June 2017. But before long, some of his former customers contacted him for help which prompted Ravi to start a consulting company to continue to serve the industry on a part time basis. Prior to Honeywell, Ravi worked at Engineers India Ltd, Akzo Chemie USA, Union Carbide (now Dow), Linnhoff March and Setpoint / AspenTech. Ravi is passionate about applying innovative yet practical solutions to solve Real Time Optimization problems. Ravi holds a BS from IIT, Kanpur and Masters and PhD from the University of Houston; all in chemical engineering. Ravi has many publications and holds 3 US patents. The Nath family has been long time residents of Houston.

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

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

As I close my chairmanship position with the AIChE South Texas Section, I want to express my thanks to both our members and our Executive Board for a very successful year. The year had both its highlights with our dinner speaker, outreach, young professional, workshop programs and its challenges with Hurricane Harvey support. I enjoyed working with our Executive Board which did a marvelous job in meeting our mission to our members. We also started new initiatives like the Process networking forums and dedicated workshop meetings. Our season pass program had over 35 participants and ten companies supported our programs as sponsors. The recent Southwest Process Technology conference was successful in providing a wide variety of sessions.

Our November dinner meeting featured a talk from Michael Turco from the Houston-Galveston Subsidence District. We had over 80 attendees at our new meeting location on the west side. I remind you that our eastside locations will change for the first three months of 2018 as we await Brady's Landing to recover from storm damage.



We have an upcoming workshop only meeting and it is FREE! It will be held at Trini Mendenhall Community Center, 1414 Wirt Road, Houston, TX 77055. Food and drinks will be provided. This is a gift to our members for their support during the year. The meeting will feature three workshops. Please check out our website for the details.

I urge you again to continue your membership in both the AIChE and our local section. These events are dedicated and part of the membership benefits to our local section and National AIChE members. Attendance does require one to be either a member of the local section or the National AIChE organization. If you are not a member of the local section, you can sign up as a member and get a two year period before you must become a National AIChE member. I ask each of you to review your membership status and either renew or become a member before the next dinner meeting.

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

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 either observe or volunteer to help. If you are interested, let me know.

I extend my best wishes to Carlos Salamanca, our incoming chair and his Executive Board for a successful 2018. Please support him as you did me this past year. In 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

Awards and Recognition

STS 2017 Southwest Process Technology Conference Best Presentation Award

Elizabeth Carter, PE, Honeywell UOP Technology Specialist, Refining Development, was presented the STS 2017 Southwest Process Technology Conference Best Presentation Award by SPTC Chair Ian Glasgow at the AIChE 2017 Annual Meeting's Volunteer Leadership Recognition Reception" in the Hilton Minneapolis - Symphony II Room. The title of Ms. Carter's 2017 SPTC Best Presentation was "A New Era for Alkylation".



Elizabeth Carter, PE (L) accepts her 2017 Southwest Process Technology Conference Best Presentation Award from 2017 SPTC Chair Ian Glasgow (R).

Photo by Margot Hartford

Awards and Recognition

50 Year AIChE Membership Recognition Victor H. Edwards



2018 STS – AIChE Chair (R) presents a Certificate to Vic Edwards (L) in Recognition of 50 Years of AIChE Membership

The November 2 South Texas Section – AIChE Monthly Dinner Meeting at The Bougainvilleas served as a venue for recognizing Victor H. Edwards' 50 Years of AIChE Membership.

Vic received his B.A. in Chemical Engineering and Chemistry from Rice University in 1962. He continued his education at the University of California at Berkeley receiving his Ph.D. in Chemical Engineering and Life Sciences in 1967. Vic is a Life Member and Fellow of AIChE and a Registered Professional Engineer in Texas.

Vic started his career as an Assistant Professor of Chemical Engineering at Cornell University in 1967 and also served as a Program Manager for the U. S. National Science Foundation from 1971 to 1972. In 1973 he joined Merck, Sharp & Dohme Research Laboratories as a Research Fellow. 1976 found Vic employed by United Energy Resources. He served as a Visiting Professor of Environmental Engineering at Rice University from 1979 to 1980. Vic joined Fluor Engineers and Constructors in 1980. Vic worked as a Chemical & Environmental Engineering Consultant in 1982 and 1983. He served as the Southwest Editor for **PLANT SERVICES** magazine from 1982 to 1984. Vic joined what eventually became IHI Engineering & Construction as a Project Engineer in 1983 and retired as the Director of Process Safety in 2013. He is now a Chemical Engineering Consultant.

Vic has received three DuPont awards for excellence in engineering design as well as two DuPont awards for safety, health, and environmental excellence. In 1998, he was named Kvaerner Employee of the Year. Vic also received the 2002 service award from the process safety center at Texas A & M University, where he chaired the Technical Advisory Committee from 2004 to 2011. In 2007, Vic's team received the Process and Construction Award for HSE Excellence in Design from Aker Solutions. In 2015, Vic was honored to receive the Norton H. Walton/Russell L. Miller Award for Process Safety from the Safety and Health Division of AIChE.

Vic has published 71 technical articles including several book chapters, has one U. S. patent, and a book titled **Careers in Chemical and Biomolecular Engineering** that was co-authored with Suzanne Shelley which is going to the printers soon. He has chaired three international symposia for the American Institute of Chemical Engineers, including the 9th Global Congress on Process Safety in 2013. Vic also serves on the Editorial Board of **Chemical Processing** magazine. He served on the Centennial Council of the Department of Chemical and Biomolecular Engineering at Rice University from 2009 to 2013.

Vic has served the South Texas Section – AIChE as a member of the Executive Committee in Position No. 1 in 1993, Chair- Elect in 1994, Chair in 1995, and Past Chair in 1996. He has received the 1991 STS – AIChE Distinguished Service Award and the STS – AIChE Special Service Awards in 2011 for his efforts on behalf of the Process Safety Management (PSM) Workshops and in 2015 for his efforts to ensure that STS - AIChE Members receive AIChE Fellow Recognition.

Vic and his wife are the proud parents of son and a daughter and are even prouder of their granddaughter and five grandsons. He likes to read, enjoys sports, and keeping abreast of the latest scientific developments.

Awards and Recognition

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

Awards and Recognition

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:

NOMINEE or AUTHOR'S NAME: _____

ADDRESS: _____

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

Awards and Recognition

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 continue and complete page 2 of this form.

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	_____

Awards and Recognition

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

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

2018 Offshore Technology Conference

2018 Offshore Technology Conference**Volunteers Needed**

30 April–3 May 2018 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.*

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

MITIGATE HEAT EXCHANGER FOULING

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

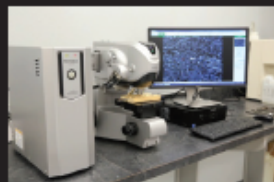
- Measure the fouling propensity of a crude
- Evaluate the benefits of anti-foulant additives
- Assess the impact of production additives
- Compare the fouling potential of different crudes or blends
- Estimate fouling thresholds for temperature and velocity
- Evaluate the impact of metallurgy

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

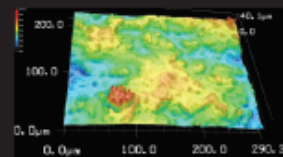
Contact us to learn how we can help:
contracts@htri.net



One of three fouling research rigs



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

The STS-AIChE Season Pass for the 2018 technical monthly dinner meetings is being offered for \$149.

The STS-AIChE Season Pass offers the convenience of a single sign-up and single payment for all eight technical meetings in the 2018 season. The meetings included are the January through May and September through November technical monthly dinner meetings.

The December Social meeting is not included in the Season Pass. Season Pass holders also get priority sign-up for all special events. The schedule of topics and venues will be posted on the website (sts.aiche.org) once finalized.

Season Pass holders are recognized as patrons on the STS-AIChE website 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.

STS-AICHe 2018 Season Pass

General Comments

The STS-AICHe Season Pass offered the convenience of a single sign-up and single payment for all eight technical meetings in the 2018 season. Season Pass holders also received 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 2017 Season Pass

2017 STS-AIChE Patrons

Name	Affiliation
Dale Embry	ConocoPhillips
Yurika Díaz Bialowas	Chemstations Inc.
David Rosenthal	Reliability Strategy and Implementation Consultancy, LLC
Erin Green Colaco	
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	Prairie View A&M University
Jack Chosnek	KnowledgeOne
Jeffrey Melland	Melland Consulting LLC
Matt Kolodney	
Morgan Reed	
Ravindra Saxena	
Sheena Reeves	Prairie View A&M University
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.

STS-AIChE 2017 Season Pass

2017 STS-AIChE Patrons

Name	Affiliation
Sanjay Sharma	Honeywell
Matthew Clark	Armstrong Engineering Associates
Trevor Rice	Chemstations
Phillip Purpich	Johnson Controls
Lawrence Chriswell	
Wendy Reed	
Paul Waits	
Julie White	SIS-TECH
Nicholas D'Ambrosio	En-Fab, Inc



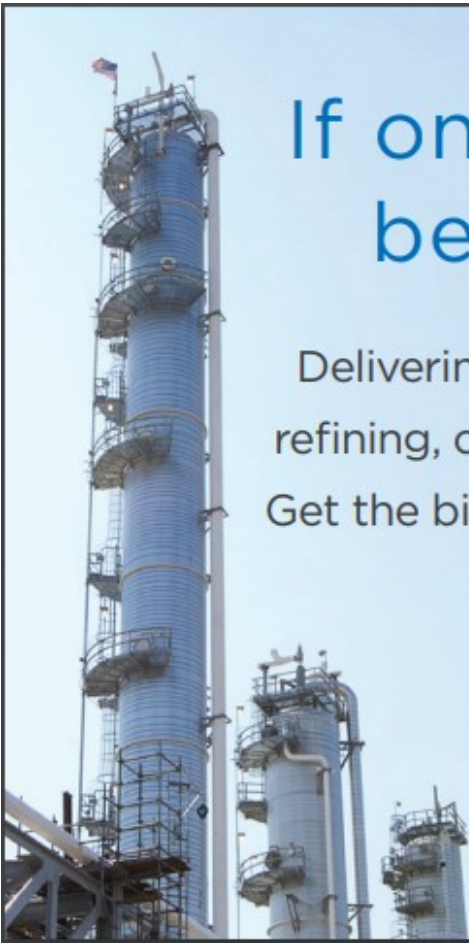
CUSTOM PROCESS ENGINEERING, DESIGN AND FABRICATION

Heat Exchangers ▪ Pressure Vessels ▪ Two & Three Phase Separators ▪ Columns ▪ Natural Gas Liquids Recovery ▪ Nitrogen Rejection Units (NRU) ▪ Acid Gas Removal ▪ Crude Oil Topping Units ▪ Ammonia Production ▪ Biodiesel Production from Algae ▪ Fired Heaters ▪ Desalination ▪ Ammonia Absorption Refrigeration (AAR) ▪ Liquefied Petroleum Gas / Compressed Natural Gas Units (LPG / CNG Units) ▪ Urea Production



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A tall, cylindrical industrial distillation column with multiple levels of scaffolding and ladders, set against a clear blue sky. The column is the central focus of the left side of the advertisement.

If only gas prices could be this predictable.

Delivering the EPC results you need is what our refining, chemicals and midstream teams do best. Get the big picture at **burnsmcd.com/predictable**.

BURNS  **MCDONNELL**SM

CREATE AMAZING.

Job Inquiry and Posting

AIChE-STS will start a post listing chemical engineers seeking employment and companies to fill positions.

If you are a member seeking employment provide a few sentences of the position you seek and the email attached to your AIChE membership for the response. You will be listed anonymously.

If you are a company provide a few sentences of the job description you seek to fill and your contact information. You will be listed anonymously.

Contact STS Chairman David Rosenthal at sts-chair@aiche.org with this information.

2018 South Texas Section Networking Lunch Programs

In January 2018, the South Texas Section will resume the First Friday networking lunches at the Omni Hotel Westside Café (13210 Katy Freeway, Houston, TX). The January lunch will be on the 2nd Friday (January 12) to avoid New Year's week family celebrations/travels.

Also in January 2018, STS will resume the Process Network Forum networking lunches at the Pipeline Grill (10003 Spencer Hwy, La Porte, TX). These lunches will be scheduled on the 3rd Friday each month, with the January lunch on January 19.

Mark your calendars and plan on attending! Notices will be sent to STS members beginning about two weeks prior to each event.

Each program will have a mix of presentations on industrial topics and employment transition. In addition to presentations, other formats may be inserted, e.g., panel discussions.

If you would like to provide a presentation, please contact the South Texas Section at sts-position4@aiiche.org.

Have a great remainder of 2017! We look forward to seeing all of you at our networking lunches!

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

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2017 Officers and Contact Information

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



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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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