



## Summer Edition

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### June 2018 STS-AIChE Chair's Letter – Carlos Salamanca



Hello South Texas Section,

STS-AIChE had the opportunity to participate in the 50th anniversary of the Offshore Technology Conference. STS AIChE members participated in many sessions. It was interesting to see how the O&G market is slowly picking up. We are expecting a great year for the Industry, in spite of the challenging economic situation impacting different geographic areas, industries and fields of work. OTC brings the chance to meet professionals involved with different disciplines. Collaboration and synergies are built from this event, accompanying many benefits not only for STS-AIChE but many other groups.

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## June 2018 STS-AIChE Chair's Letter (Cont. from Pg. 1)

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Networking lunches have been very active. It is a great opportunity to mingle and learn about new trends in the industry and in the job search environment. STS-AIChE wants to advise its members to sharpen their skills now. Executives will recognize who is leading the way during challenging times. Strong involvement with STS-AIChE will help you in your career as you will become a leader. A leader who cares about our community. If you are unemployed, increase networking and sharpen your skills; if you are employed, enhance your skills, add value with courses, help your organization while meeting new talent.

For summer, we are planning traditional events: The Houston Ship Channel tour, which was on June 2nd, provided an opportunity to see closely one of the largest refinery and chemical complexes in the world. Also, we will have the Houston Astros baseball game. Astros will play the Texas Rangers on July 27th. It is a great opportunity to bring along family and friends.

The 75th anniversary celebration on November 3rd at the Houston Racquet Ball is taking momentum. We encourage members and former members to contribute with participation, old pictures, industry facts, and anecdotes; so we can include them in what we called our Diamond Jubilee celebration.

Summer planning meeting will take place on Saturday August 11th. Anyone trying to become more involved with our chapter is welcome. Our next monthly meeting will be in September at The Bougainvillea's. More details about Dinner speaker and workshops will come soon.

STS-AIChE wants to generate awareness about the skills that bring value to our profession through a variety of initiative. Activities to create value for our members. 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?

Looking forward to talk to you

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## Monthly Meeting Sponsorship – Benefits

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

LEARN ■ CONNECT ■ LEAD

## Sponsors for 2018 – Thank You



**Armstrong Chemtec Group**  
USA SCOTLAND SINGAPORE



## Sponsor for June and September 2018 – Thank You

### NEW ENERGY OPTIMIZATION COURSES

TWO COURSES ARE BEING OFFERED IN HOUSTON THIS FALL FOR ENGINEERS WITH DESIGN OR OPERATING RESPONSIBILITIES IN REFINING, GAS PROCESSING AND THE CHEMICAL INDUSTRIES.

- **OPTIMIZING HX NETWORKS** SEPT. 25-27, 2018
- **OPTIMIZING PUMPING SYSTEMS** OCT. 23-24, 2018

Get up to date on field-tested tools and techniques to reduce Opex and improve competitive advantage. Both courses will be led by an expert who cut 40% of the energy bill of a major NOC in 6 years (at ROI ~25%) with gas prices of \$0.75 - \$1.25/MMBtu. Course format is a combination of lectures, case studies, and working sessions, using spreadsheet software. For more details on the two courses contact [seminars@petroleumrefining.com](mailto:seminars@petroleumrefining.com) or call 412-826-5440.

## Young Professional of the Month: Marcia E. Mezera

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Marcia hold a bachelor's degree in chemical engineering from the University of Illinois at Chicago and completed her graduate studies at the Illinois Institute of Technology. Since graduation, Marcia has over 10 years of work experience in various industries and multiple capacities.

Upon gradation, Marcia worked as a Research & Development Engineer for UOP LLC in Riverside, IL where she operated, monitored and optimized pilot plants for Hydroprocessing catalysts. Within the nuclear industry, she worked as a Auxiliary Systems Chemist for Exelon Nuclear managing the water chemistry for two nuclear power plants. Afterwards, she worked as a Project Engineer with Ambitech Engineering where she worked with multidiscipline engineering groups to complete Front-End-Loading estimates for refinery clients and was later contracted out to a chemical client, Stepan Chemical, for the management of various onsite capital project installations. Afterwards she returned to her first employer, Honeywell UOP, as a Process Design Engineer for their Technical Services Skills Center where she developed Schedule A Basic Engineering Design packages for the Gas Processing department until her recent relocation to Houston, TX.

Marcia joined AIChE in 2017 and has quickly become an active member of STS volunteering for local community and AIChE events and other professional conferences in the area.

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## 10th Southwest Process Technology Conference, Call for Volunteers

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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@aiiche.org](mailto:sts-membership@aiiche.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.



## June Events

### June 1st First Friday Networking Lunch

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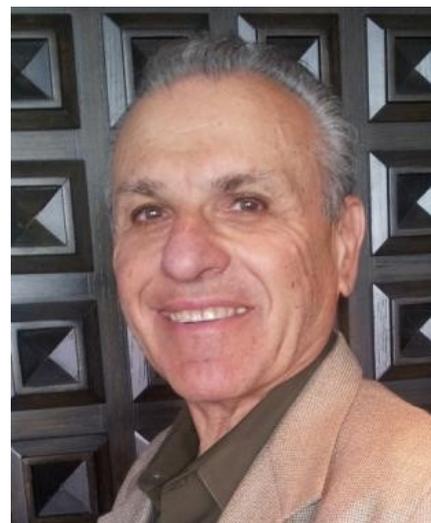
The STS-AIChE First Friday Networking Lunch (FFNL) was held on Friday, **June 1st from 11:30AM - 1:00PM** at the **Wyndham Houston West Energy Corridor Park Restaurant and Grill** ([14703 Park Row Dr. Houston, TX 77079](http://www.wyndham.com/houston-west-energy-corridor-park-restaurant-and-grill)).

**Topic: The Future Price of Oil: A Perspective**

**Speaker:** Dr. Ronald Sills

In mid-2014, the price of oil began a precipitous drop from about \$110/bbl Brent to a low of about \$30/bbl in the beginning of 2016. It has since partially recovered – averaging \$66-67/bbl over the past 3 months. This dramatic drop and partial recovery has raised the age-old question: “What can I believe about forecasts of future prices?”

Ron shares his analysis on this question based on his almost 40 years experience in the oil industry. In February 2015, Ron gave a keynote presentation at an energy conference in Houston, which was reported by Hydrocarbon Processing, that the “new normal” for crude oil prices is roughly \$65/bbl. In this presentation, Ron gives the basis for his insightful forecast; the many factors that can affect oil prices in the future; and the leading indicators for potentially significant medium-term changes in the future.



Dr. Ronald Sills (Ron), Co-Founding Director, XTL&DME Institute, is an internationally-recognized expert on a broad range of energy and alternative fuels topics. His experience includes being a (a) consultant in conversion technologies and analysis of the natural gas/biomass value chain for several major corporations; (b) Board Member of a start-up company making carbon negative fuels from biomass; (c) Senior Advisor, ADI Analytics (d) Business Development for DragonFly Aerial Solutions, and (e) leading the BP Natural Gas Conversion Network. Prior to joining BP/Amoco, he was manager of Mobil’s Research Planning and Evaluation Group.

Ron holds a PhD and MS in Chemical Engineering from MIT, and a BS from Columbia University. He has been a member of AIChE for over 50 years.

Have suggestions, ideas, comments or want to recommend a speaker for future FFNL events? Please contact Fabian Solberg at [fabian1221@hotmail.com](mailto:fabian1221@hotmail.com) or 815-307-5746. You may also contact Onesimus Haruna (who will be hosting the event that day) at [832-303-5541](tel:832-303-5541), or Jimmy Kumana at [jkumana@aol.com](mailto:jkumana@aol.com).

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## June Events

### June 15th Third Friday Networking Lunch

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The next STS-AIChE Third Friday Networking Lunch will be held on Friday, **June 15th from 11:30AM - 1:00PM** at the **Pipeline Grill** ([10003 Spencer Hwy, La Porte, TX 77571](http://10003.Spencer.Hwy.La.Porte.TX.77571)).

**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](http://AIChE.STS.website).

**Topic: Patents and Intellectual Property: From Invention to Value**

**Speaker: Peter Hanik, BSChE, MBA, PE**

Most chemical engineers are aware of patents but the details of getting from invention to realizing value can be elusive. This talk will cover many of the aspects of the patent process and how to use patents to create value. First it is important to understand some of the basics about patents such as what are the requirements to obtain a patent, what rights does a patent holder have, what if there are multiple inventors and how much does it cost? If you have a patentable invention what is the process required to get patent coverage? Then the topic of value is discussed including what is a patent strategy, how can patents create value, what are the ways to leverage this value, should I license this patent and how much is this patent worth?



Pete is currently President of Pretium Innovation specializing in intellectual property and team-based innovation systems to create sustainable value. He has developed proprietary on-site and on-line services for innovation methods in business strategy, business process redesign, capital efficiency improvement, product concept development, intellectual property enhancement, and technology road-mapping. Previously, he was President of Technology at Reliance Industries, India, where he led R&D programs in refining, petrochemicals and polymers with a staff of ~300 professionals. Before that, Pete was President and CEO of Millennium Petrochemicals, VP of Reengineering and Information Systems at Quantum Chemical, and held various Managerial positions at Northern Petrochemical.

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

Have suggestions, ideas, comments or want to recommend a speaker for future TFNL events? Please contact David Alexander at [davidalexanderlaw1249@gmail.com](mailto:davidalexanderlaw1249@gmail.com) or call 832-372-2926

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## Upcoming Events

### Diamond Jubilee Celebration: South Texas Section of AIChE

When: Saturday, 3<sup>rd</sup> November 2018  
6 pm – 11 pm

Save the Date to Celebrate



*The South Texas Section of the  
American Institute of Chemical Engineer  
Diamond Jubilee*

Saturday, November 3<sup>rd</sup>, 2018

Evening 6:00 PM to 11:00 PM

Houston Racquet Club

10709 Memorial Drive

Houston, Texas 77024

Formal Dinner and Dance

with the NiteBeat Band

No Host – For ticket options visit STS AIChE website in July

[www.aiche.org/community/sites/local-sections/sts](http://www.aiche.org/community/sites/local-sections/sts)

Contact Email: [STS-AIChE75@sbcglobal.net](mailto:STS-AIChE75@sbcglobal.net)

## Upcoming Events

### STS Young Professionals



## 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.

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!

For questions, contact the STS-YP Chair by email at [sts-yp@aiche.org](mailto:sts-yp@aiche.org).



[Purchase your tickets here](#)

# May Events

## Offshore Technology Conference

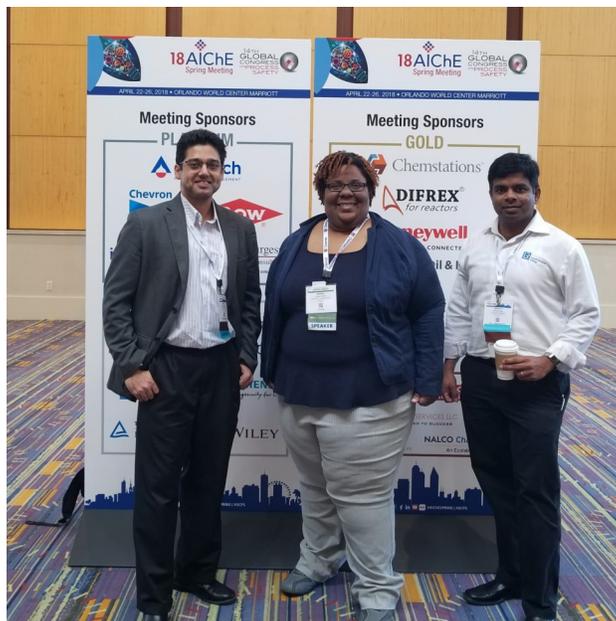
The Offshore Technology Conference was held at the NRG Park from 30th April to 3rd May 2018. STS-AICHE prepared teachers/students bags for the OTC. Here are some photos from the two events.



## May Events

### AIChE 2018 Spring Meeting and 14th Global Congress on Process Safety

The AIChE Spring Meeting was the year's key technical conference for practicing chemical engineers. A wide range of subjects relevant to the current needs of industry was covered. Plus, GCPs covered the critical needs of process safety practitioners more broadly and deeply than any other conference. Spring was held in Orlando, in conjunction with the 8th World Congress on Particle Technology.



# May Events

## STS-AICHe YP's Under the Radar Brewery Tour and Happy Hour

The YPs had a great Brewery Tour & Happy Hour! A lot of interesting details about making Beers!



## May Events

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### 1st and 3rd Friday Networking Lunch

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The STS-AIChE First Friday Networking Lunch (FFNL) was 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). Terry Suffredini spoke about Marketing Strategies for Job Search Success (Regardless of the State of the Economy!)



The STS-AIChE Third Friday Networking Lunch was held on Friday, May 18th from 11:30AM - 1:00PM at the Pipeline Grill (10003 Spencer Hwy, La Porte, TX 77571). Cody D. Rosier spoke about Guarding Against Plant Security Breaches



## 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 Georgeton	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 Baksi	Bechtel Hydrocarbon Technology Solutions

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
<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

*2018 Officers and Contact Information*

### Officers

**Chair** Carlos Salamanca  
[sts-chair@aiiche.org](mailto:sts-chair@aiiche.org)

**Chair Elect** Tom Rehm  
[sts-chairelect@aiiche.org](mailto:sts-chairelect@aiiche.org)

**Past Chair** David Rosenthal  
[sts-pastchair@aiiche.org](mailto:sts-pastchair@aiiche.org)

**Secretary** Debra McCall  
[sts-secretary@aiiche.org](mailto:sts-secretary@aiiche.org)

**Treasurer** Yurika Díaz Bialowas  
[sts-treasurer@aiiche.org](mailto:sts-treasurer@aiiche.org)

### Executive Committee

**Position 1: Education**  
Sanjay Sharma  
[sts-position1@aiiche.org](mailto:sts-position1@aiiche.org)

**Position 2: Outreach**  
Sheena Reeves  
[sts-position2@aiiche.org](mailto:sts-position2@aiiche.org)

**Position 3: Communications**  
Aniket Patankar  
[sts-position3@aiiche.org](mailto:sts-position3@aiiche.org)

**Position 4: Human Resources**  
Jimmy D. Kumana  
[sts-position4@aiiche.org](mailto:sts-position4@aiiche.org)

### Volunteers

**Arrangements:** [John Middleton](#)  
**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.aiiche.org/>

Contact the AICHE for PERMANENT ADDRESS CORRECTIONS:

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

 1-800-AICHEM (1-800-242-4363)

 AICHE Home Office  
120 Wall Street, FL 23  
New York, NY 10005-4020

AICHE Customer Service Center  
100 Mill Plain Rd 3rd Fl  
Danbury, CT 06811

## The South Texan Newsletter Crew

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

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

### Newsletter Editor

**Aniket Patankar**  
[sts-position3@aiiche.org](mailto:sts-position3@aiiche.org)

### Submit an article! Contact:

**Matt Kolodney**  
713-471-8956  
[MKolodney1@comcast.net](mailto:MKolodney1@comcast.net)

### Reserve your ad space! Contact:

**Yurika Diaz Bialowas**  
[sts-treasurer@aiiche.org](mailto:sts-treasurer@aiiche.org)

