

# The South Texan



Thursday, March 5, 2020

NOTE THE VENUE CHANGE: Monthly Meeting @ The Bougainvilleas Houston  
([12126 Westheimer Rd.](#))

5:30PM - 6:30PM Workshops

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

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

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

Check us out on [YouTube!](#)

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## March Dinner Meeting

**Speaker: Teresa Jurgens Kowal**

**Presentation: Navigating Your Career:  
3 Tips to Advance Effortlessly**

**Abstract:** Chemical engineers are high achievers. We seek efficiency and productivity in operations as well as in our personal and professional lives. Being promoted to management or to a technical expert role is a goal for many of us. Yet while a chemical engineering degree can prepare us to work on kinetics, heat transfer, and fluid flow, we often miss out on the best tools and techniques for negotiating the career minefield.

In this presentation, you will learn three tips to advance your career. First, you will learn how to speak the language of your stakeholders whether they are senior executives, vendors, customers, or direct reports. Next, you will practice a quick technique to build your muscles in strategic networking. Finally, you will access ideas to balance time among meetings, quality work, and leisure.

Being trained as a chemical engineer opens a wide field of career and job opportunities. Join us to learn how to successfully navigate transitions to higher level positions.

**Bio:** Teresa Jurgens-Kowal is passionate about innovation. She is a writer, mentor, coach, and trainer. Teresa founded Global NP Solutions in 2009 to help individuals and organizations learn, adopt, transform, and sustain innovation. She enjoys helping people reach their highest levels of success with innovation. Teresa's consulting clients include a full spectrum of large industry corporations to entrepreneurs seeking to launch new products. She coaches executives and managers to improve innovation performance using a variety of work style assessments and customized tools. Teresa frequently presents keynotes and breakouts locally and nationally on her favorite topics of innovation, design thinking, and product development.

As a Registered Education Provider (REP) with the Product Development and Management Association (PDMA), Teresa has written the #1 best-selling book for New Product Development Professional (NPDP) certification, *NPDP Certification Exam Prep: A 24-Hour Study Guide*. She recently published a chapter on leading virtual teams for innovation projects with the *Virtual Team Model (VTM)* (October 2018, *Leveraging Constraints for Innovation*). She has recently released *The Innovation ANSWER Book*, a comprehensive guide to building innovation leadership.

Prior to founding Global NP Solutions, Teresa worked in R&D, process technology development, and as an internal innovation expert at ExxonMobil Chemical Company. She has degrees in Chemical Engineering from the University of Washington (PhD) and University of Idaho (BS), and an MBA from West Texas A&M University. Teresa lives in Southeast Texas and enjoys bicycling and scrapbooking.



## March Dinner Meeting

### Meeting Registration Information

Membership in STS-AIChE is a bargain at \$25/year. If you wish to become a member, you may join at the registration desk at the meeting. Vegetarian Dinner requests are due on March 2, 2020.

Online Registration closes on March 5, 2020 at 4:00 pm after this time, guests must register on site. [Register Now](#)

Registration Options	Pre-Registration 3/4/2020 by Noon	Pre-Registration 3/4/2020 by Noon	At the Door After 3/4/2020 Noon	At the Door After 3/4/2020 Noon
	<b>Members</b>	<b>Non-Members</b>	<b>Members</b>	<b>Non-Members</b>
Regular/Retired	\$35	\$45	\$45	\$55
Unemployed	\$25	\$35	\$35	\$45
Students	\$25	\$25	\$35	\$35

### Meeting Location— The Bougainvilleas Houston



This month's meeting will be held at The Bougainvilleas Houston

([12126 Westheimer Rd.](#))

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

### March Meeting Dinner Menu

**Menu: Enjoy a BBQ Evening with STS AIChE!**

#### **Dinner Buffet:**

Corn Bread  
Mixed Garden Greens Salad with Strawberries and Nuts  
Texas Brisket  
BBQ Turkey  
Texas Style Potato Salad  
Southern Cole Slaw

#### **Desserts:**

Bread Pudding with Bourbon Sauce  
Seasonal Fruit Platter

#### **Coffee Station:**

Regular and Decaffeinated Coffee  
Hot Water and Tea Option

#### **Non-Alcoholic Beverages:**

Iced Tea with Lemon Wedges  
Water

#### **Alcoholic Beverage:**

Cash Bar\*\*

\*\* Cash only – no electronic payment option

## March Dinner Meeting

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### Workshop Information

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**Title:** *Process Optimization Through Better Separations*

**Abstract:**

Conventional phase separation devices do not remove all traces of contamination. As a result, solid and liquid contaminants tend to persist in liquid or gas streams, and can create operating challenges (foaming, fouling, reliability issues, downtime). Transcend will present a series of case studies that illustrate how advances in separation technologies have made it possible to accomplish the kinds of separation efficiencies that were not previously attainable.

**Bio:** *Matt Thundyil, PhD - Transcend Solutions, LLC*

Matt Thundyil is a Chemical Engineer, with a PhD in Advanced Separations from The University of Texas. He has spent the past 20 years in technology licensing and separation technology development. Dr. Thundyil joined Transcend over 5 years ago to lead a business committed to combining process technology knowledge with separations technology and flexible custom manufacturing. In the 28 years since graduating, he has been published in many peer reviewed and industry journals, spoken at quite a few industry conferences, and is named as an inventor on multiple patents.



Click [HERE](#) for more information!

## March 2020 STS-AIChE Chair's Letter – Mark Harkness

Hello South Texas Section,

Our March meeting will be held on Thursday, March 5<sup>th</sup> at 7:00pm. NOTE THE VENUE CHANGE - The meeting will be at The Bougainvilleas, 12126 Westheimer Road. Our dinner speaker will be Ms. Teresa Jurgen - Kowal with GP Solutions. Her presentation is titled "Navigating Your Career: 3 Tips to Advance Effortlessly".

An Executive Committee meeting is held each month there is a dinner meeting. Our next ExCom Meeting will be held on Thursday, March 19<sup>th</sup>, 6:00pm at Union Kitchen located at 6011 Washington Avenue. If you would like to help support our section by volunteering or participating on one of several committees, please contact me at mark.s.harkness@gmail.com.



The Science and Engineering Fair of Houston was again a great success. Thank you to all the STS volunteers who participated.

In conjunction with Houston Engineers Week, congratulations to Ms. Emily Jackson, who has been recognized as AIChE Young Engineer of the Year.

The 2020 AIChE Spring Meeting and GCPS will be held March 29 through April 2 at the George R. Brown Convention Center. Ms. June Wispelwey, Executive Director and CEO of AIChE, will be our April Dinner meeting speaker.

The TIEEP Energy Forum will be held at Shafaii Hall and Garden, 1622 Federal Road, on April 2<sup>nd</sup>, and the TIEEP Water Forum will be held at the Bougainvilleas, 12126 Westheimer Road, on May 7<sup>th</sup>. Please contact me at mark.s.harkness@gmail.com or Alan Rossiter at arossit@central.uh.edu for more information.

Tom Rehm has worked hard over the past year with the AIChE Climate Solutions Community. What should be an excellent event - Paths to Texas Zero GHG Emissions: Electricity, Transportation and Industry - will be held Saturday, April 4, 2020, 9am-noon, at the University of Houston Student Center Theater, 4455 University Drive, Houston. Tickets can be purchased for \$10 at <https://cechouston.org/event/paths-to-texas-zero-ghg-emissions-electricity-transportation-and-industry/>.

The annual Ship Channel Tour has been scheduled for June 6, 2020. More details will follow.

In closing, I would like to give a special thanks to our Patrons who have and continue to support the Section through Season Passes.

Hope to see you at the March Meeting!

## Call for Sponsors for 2020!

### STS-AIChE Monthly Dinner Meeting Sponsorship Package

Does your company or organization want to reach out to decision-makers and engineers in the process industries in the Greater Houston area? STS-AIChE (South Texas Section – American Institute of Chemical Engineers) now offers corporate sponsorships for its monthly technical dinner meetings. Attendance at the meetings is typically between 80 and 120 people, most of whom are practicing chemical engineers and managers. Meetings are generally held on the 1<sup>st</sup> Thursday of the month (2<sup>nd</sup> Thursday in January). Our dinners are held on all sides of the greater Houston metro area – west, east, north and south – to serve the membership of one of the largest local sections of the AIChE. We also webcast and record our meetings, providing access to additional audiences in different locations.

We offer 3 standard rolling 12 month sponsorship packages:

	Bronze	Silver	Gold
Benefits at one STS dinner meeting			
• Present at AIChE STS Monthly dinner meeting			X
• Plaque with sponsoring company logo			X
• Skirted table/table-top display booth		X	X
• Company/organization promotional talk or video	1 minute	2 minutes	5 minutes
• Complimentary dinner tickets	2	4	8
Additional promotional benefits for 12 months (8 meetings)			
• Recognition during each STS dinner meeting social hour	X	X	X
• Recognition from the podium at STS dinner meetings	X	X	X
• Promotion on social media (FaceBook, Twitter, LinkedIn)	X	X	X
• Sponsor Logo displayed in the monthly STS newsletter	X	X	X
Donation to the South Texas Section	\$500	\$1,500	\$3,000

STS-AIChE uses a substantial part of the monies obtained for sponsorships to lowering the admission price for the dinner meeting. This is designed as an incentive to increase attendance at these events, and also as a way to highlight the sponsor's donation.

#### Notes for Gold Sponsorships:

- Sponsor and STS leadership will jointly agree on the date and topic of the presentation.

Some sponsors prefer to customize their meeting – e.g., by using a particular venue. We are happy to work with you to make arrangements to meet your needs, although naturally the cost of the event and the size of the sponsorship donation may be affected by any changes to the standard arrangements.

We look forward to working with you in advancing chemical engineering in the Greater Houston area.

For more information, or to sign up as a sponsor, please contact Mark Harkness at [mark.s.harkness@gmail.com](mailto:mark.s.harkness@gmail.com) or mobile 713-819-6981 .

## **2020 STS Opportunities**

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### **2020 STS Speaking Opportunities**

In 2020, the South Texas Section and our partners will continue very successful events:

- Networking lunch programs, on the east and west sides of town, two per month;
- Monthly dinner meeting workshops;
- A stand-alone workshop evening in December 2020;
- The Energy Forum in April 2020;
- The Water Forum in May 2020; and
- The Southwest Process Technology Conference in October 2020.

If you would like to speak at any of these events, please contact Mark Harkness at [mark.s.harkness@gmail.com](mailto:mark.s.harkness@gmail.com).

### **2020 Exhibit Opportunities**

There are exhibit opportunities at the Energy Forum, the Water Forum, and the Southwest Process Technology Conference (SPTC). If you choose to be a South Texas Section Sponsor, we can work out a discount arrangement for exhibiting at these three events.

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## STS AIChE Awards Nominations

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### It's STS Awards Nomination Time!

Nominations are being accepted thru May 1, 2020 for the following STS Annual Awards:

- 2019 STS Best Applied Paper Award
- 2019 STS Best Fundamental Paper Award
- 2019 STS Best In Practice Paper Award **\*\*NEW!!\*\***
- 2019 STS Outstanding Young Professional Award **(Under 40)**
- 2019 STS Distinguished Service Award (Over 36)
- 2019 STS Special Service Award(s)

Nomination Forms are available in ***The South Texan***, The STS – AIChE web-site (<https://www.aiche.org/community/sites/local-sections/sts/forms/sts-award-nomination-form> ~~ Click on “HERE”), or by contacting:

Matt Christiansen	281-544-6476	Matthew.Christiansen@shell.com
Tom Menn	281-485-3719	<a href="mailto:ThomasMenn@SBCGlobal.net">ThomasMenn@SBCGlobal.net</a>
Ryan Stephens	281-544-8447	Ryan.Stephens@Shell.com

## 2019 STS-AIChE Annual Awards Nomination Form

South Texas Section – AIChE 2019 Annual Awards Nomination Form  
THIS NOMINATION FORM MUST BE RECEIVED BY **MAY 1, 2020** TO BE ACCEPTED!

Mail the completed form to:

Thomas E. Menn Or  
Awards Chair  
P. O. Box 458  
Pearland, Texas 77588-0548

Matt Christiansen, PhD Or  
Best Papers Judging Chair  
Shell Projects and Technology  
Technology Center  
3333 Highway 6 South  
Houston, Texas 77082

Ryan Stephens, PhD  
Best Papers Judging Co-Chair  
Shell Global Solutions (US) Inc.

Tel.: 281-485-3719

Tel.: 281-544-6476

Tel: 281-544-8447

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

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

[Ryan.Stephens@shell.com](mailto: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 and/or STS – AIChE may wish to join AIChE and/or STS – AIChE before May 31, 2020 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.)

2019 STS – AIChE Outstanding Young Professional Award (Under age 40) \_\_\_\_\_

2019 STS – AIChE Distinguished Service Award (Over age 40) \_\_\_\_\_

2019 STS – AIChE Best Fundamental Paper Award \_\_\_\_\_

2019 STS – AIChE Best Applied Paper Award \_\_\_\_\_

2019 STS – AIChE Best In-Practice Paper Award \_\_\_\_\_

2019 STS – AIChE Other \_\_\_\_\_ 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.



## 2019 STS-AIChE Annual Awards Nomination Form

Please enter the name of the nominated 2019 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 \_\_\_\_\_

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 Co-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. **(NO MANUSCRIPTS, PLEASE.)**

Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AIChE & STS Membership is verified. **All Best Paper Nominees not Members of AIChE or STS – AIChE may wish to join AIChE and/or STS – AIChE before May 31, 2020 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.**

## Upcoming Events

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### Friday, March 6, 2020 - First Friday Networking Lunch

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The next STS-AIChE First Friday Networking Lunch (FFNL) will be held on Friday, **March 6th from 11:30AM - 1:00PM** at the [Wyndham Houston West Energy Corridor](#) 14703 Park Row Dr. Houston, TX 77079 United States

**Speaker:** Josh Shupp

Josh Shupp is responsible for ensuring customers achieve success with the Northwest Analytics suite of products as quickly as possible. Mr. Shupp has 15 years of experience in enterprise software strategy, sales, design and management; the last five years working at Northwest Analytics in various roles within sales strategy and solutions management. He is an expert at developing and managing complex process analytics projects working with multiple stakeholders across all levels of the organization while guiding customers through implementations that produce results. Prior to joining Northwest Analytics, he was the President of SOS Corporation, a healthcare industry software company. Josh graduated from the University of South Florida.



**Topic:** DIGITAL TRANSFORMATION AND INDUSTRY 4.0 SUCCESS – IT'S NOT (ALL) ABOUT THE TECHNOLOGY

The changes brought about by Industry 4.0 and the digitalization that implies makes life difficult for an industry that has been around for more than a century. The chemical manufacturing sector is filled with talented engineers and scientists, but adopting new approaches in data integration and contextualization can be challenging. Part of that challenge relates to the natural technology inertia and baggage that comes with a +130-year-old industry. But too often, most of the challenge lies in the fact that everyone outside your company believes passionately that all that's needed for Industry 4.0 success is their "better mousetrap" – the better AI algorithm, machine learning software, cloud solution or process explorer.

This fun and interactive session with Dow and Northwest Analytics will demonstrate how Dow broke away from the usual technology-first thinking that prevents true transformation; and developed a problem-centric approach that has enabled Dow to drive analytics-based decision making in real time and create an analytics culture that is at the foundation of its Industry 4.0 analytics success. And as is highlighted in the journey of Dow and other leading manufacturers, the problem is not what you think!

**Costs:** The lunch menu is an all-inclusive buffet style for \$16 per person and STS-AIChE subsidizes the lunch by \$5. The non-refundable \$11 registration fee includes the subsidized lunch buffet and attendance for the lunch presentation and networking. Pre-registration reserves your seat and walk-ins welcome on an as available basis.

Select the button to pre-register for this event: [Register Now](#)

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### Friday, March 20, 2020 - Third Friday Networking Lunch

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The next STS-AIChE Third Friday Networking Lunch (TFNL) will be held on Friday, **March 20th from 11:30AM - 1:00PM** at the [Pipeline Grill](#), La Porte, TX 77571, United States

**Speaker:** TBD

**Topic:** TBD

**Costs:** There is no registration fee. The lunch menu ranges from \$8 to \$12 and STS will subsidize lunches by \$3 per attendee. STS members as well as non-members are welcome to attend. We only request that you preregister at the STS-AIChE.org website so we can get an accurate head count for the restaurant.

[Register Now](#)

Have suggestions, ideas, comments or want to recommend a speaker for future TFNF events? Please contact William Pittman [williampittman@micropackamericas.com](mailto:williampittman@micropackamericas.com).

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## Upcoming Events

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### 2020 State Industrial Energy Program Moves to Houston!

For more than a decade, STS-AIChE has hosted Energy Forums – and more recently also Water Forums – for *Texas Industries of the Future*, a program run through the University of Texas in Austin, and funded by the Texas State Energy Conservation Office (SECO). The collaboration also included the Energy Efficiency Session at the annual AIChE Southwest Process Technology Conference. The forums have added an important dimension to STS's technical program, while supporting efficiency improvements in local industry.

SECO has now moved the funding right here to Houston, and the program has a new name. The new *Texas Industrial Energy Efficiency Program (TIEEP)* is now run through UH Energy at the University of Houston. This creates new opportunities for closer communication with local industry, and ensures a stronger relationship with STS-AIChE, leading to better matching of the program deliverables with the needs of the largest concentration of refineries and chemical plants in Texas.

The forums will continue, although the format may change. You can expect to see some new and dynamic programming as TIEEP builds on earlier successes and provides leadership as we move into the new decade.

The next Energy Forum is scheduled for April 2, 2020, and the theme is "Plant Resiliency - Lessons from Harvey." More info Below!



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### TIEEP 2020 Spring Energy Forum!

**When:** Thursday, April 2, 2020 4:00 pm–6:00 pm

**Where:** [Shafaii Party and Reception Center](#) 1622 Federal Road, #30, Houston, TX 77015

## Texas Industrial Energy Management Forum

Our theme is Plant Resiliency - Lessons from Harvey. Hurricane Harvey ripped through the Greater Houston area in late August of 2017, leaving a trail of destruction with an estimated cost of \$125 billion, and disrupting operations at oil refineries and chemical plants. Resiliency – stability of operation – is important not only for production and profitability, but also for the energy efficiency of industrial plants.

Our speakers, from industry, utilities, and government, will share their experiences and lessons learned from Harvey, especially as they relate to industrial operations, resiliency, and energy efficiency. There is no charge to attend the Energy Forum, but pre-registration is required.

*\*Special Note: The Energy Forum will be followed by the STS-AIChE April Dinner Meeting. There is a charge to attend the Dinner Meeting, and pre-registration is recommended.*

The Energy Forum is brought to you by the Texas Industrial Energy Efficiency Program (TIEEP), and the State Energy Efficiency Office (SECO).

[Register Now](#)

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## Upcoming Events

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### AIChE - The Climate Solutions Community - Annual Symposium

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**When:** Saturday, April 4, 2020 9:00 am—12:00 pm

**Where:** [University of Houston Student Center Theater](#)

4455 University Drive, Houston TX 77004



### 1st Annual AIChE-TCSC Symposium: Paths to Texas Zero GHG Emissions: Electricity, Transportation and Industry

Engineers, scientists, legislators and the general public are invited to attend a public discussion of vital climate solutions. A distinguished panel will speak followed by a Q/A with the audience.

#### *Speakers*

- Professor Sylvia Dee (PhD Climate Scientist, Rice University)
- Jeremy Friesen (Director, Business & Corporate Development, NET Power)
- Gene Preston (PhD Electrical Engineer, CEO of Transmission Adequacy Consulting)
- Professor Pavel Tsvetkov (PhD Nuclear Engineer, Texas A&M University)
- Larry Kremer (PhD Physical Chemist, Citizens Climate Lobby)

The symposium chair is Tom Rehm (PhD Chemical Engineer, Chair of Climate Solutions for Texas).

Registration is \$10. Students register for free!

[Register Now](#)

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## Upcoming Events

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### Young Professionals Happy Hour March!

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*Come out and have appetizers and drinks with the YPs!*

Date: TBD

Location: TBD

RSVP: E-mail [sts-yp@aiche.org](mailto:sts-yp@aiche.org)

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### Risk Engineering Energy Forum—March 20th

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We are happy to share with you that Dr. Kristen Kulinowski, the Interim Executive Authority at CSB will be our headline speaker at the upcoming REEF (Risk Engineering Energy Forum) meeting in Houston. You may be familiar with the CSB (U.S. Chemical Safety and Hazard Investigation Board) as they are the U.S. government agency responsible for investigating industrial chemical accidents. The CSB large loss investigations and animated videos have become something of an industry standard. If you haven't seen the CSB video on the Philadelphia Energy Solutions loss yet, here is a link to it:

<https://www.csb.gov/philadelphia-energy-solutions-pes-refinery-fire-and-explosions/>

REEF meeting will be on Friday March, 20th 2020 at 3657 Briarpark Drive, Suite 700 Houston, TX 77042.

If you would like to attend the March 20<sup>th</sup> REEF meeting, please RSVP/register in advance at: <https://reefforum.org/>

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### SPE-GCS Spring 2020 Upstream Professionals Hiring Event!

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The SPE-GCS invites you to participate in the 7th edition of the "Upstream Oil & Gas Professionals Hiring Event," on **March 31st, 2020** at the Trini Mendenhall Community Center.



Following the success of the inaugural event in March 2017, we continue to provide a platform connecting experienced job seekers with upstream oil and gas companies to fill open positions. This is also a platform to help the industry retain qualified and experienced professionals, preventing losing them during the industry's hard times. The SPE is partnering with other organizations to make the event a mirror of the oil industry. Thus, all upstream disciplines are invited to participate in the event.

NO WALK-INS allowed. Registration is mandatory and resume/CV must be submitted at least 48 hours before the event. Various entry times are available for registration.

#### Registration is open

Please visit SPE-Gulf Coast Section [website](#) for registration and more information.

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## Volunteer Outreach

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### 2020 Offshore Technology Conference

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## Volunteers Needed

4 - 7 MAY 2020 at NRG Park, Houston, Texas, USA

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

Must volunteer before 16 April 2020

Attend Orientation Meeting (*mandatory*) & serve 4 or 5 hours in either Arrangements, Registration, or Student Tours, or “1<sup>st</sup> Timers” Lounge/Orientation.

Contact: Tom Menn @ [thomasmenn@sbcglobal.net](mailto:thomasmenn@sbcglobal.net)

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## Volunteer Outreach

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### STS– AIChE Houston Food Bank

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**When:** Saturday, March 14th, 2020

8:00 am–12:00 pm

**Where:** [Houston Food Bank](#)

535 Portwall St., Houston TX

77029



STS AIChE will be joining efforts with other groups to volunteer at the Houston Food Bank on Saturday, March 14, 2020.

Volunteers produce the equivalent of a meal a minute while helping the Houston Food Bank sort, they help to process and pack food. And it's fun!

Volunteers will receive free lunch and T-Shirt. If you are interested contact Yurika Diaz Bialowas at [sts-treasurer@aiche.org](mailto:sts-treasurer@aiche.org) to let her know if you can help this weekend, the number of guests you are bringing with you to help and T-Shirt sizes. You may also register using the link below:

[Register With AIChE Here](#)

Further information including confirmation and a schedule will be sent out later. It will be a great day to work together and help those who needs help the most.

Closed toed shoes and sleeved shirts are required! Please also register with the Houston Food Bank:

[Register with the Food Bank Here](#)

When ask how did you hear about the Houston Food Bank, select other from the drop-down list and enter STS AIChE.

If you are registering on your own, please place a note that you are representing STS AIChE on the comments so that we know you are joining us. Otherwise, email Yurika to the email address above so that she may add you to the STS AIChE registration form.

#### ***Description of Duties***

Varies with the makeup volunteers for shift. Most of the projects at the warehouse involve inspection, sorting, and repackaging of donated food items for community distribution.

#### ***Parking Information***

If space permits it, you may park in the front parking lot, but in the event of a large volunteer turnout, you may be directed to our overflow lot located behind the building.

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## STS Past Events

### Young Engineer of the Year Event!

The Young Engineer of the Year Event was held on February 17th and the theme was Casino night! Our YPs had a great time!



**Casino  
Night**

Young Engineer  
of the Year

**2.17.2020**



**Casino  
Night**

Young Engineer  
of the Year

**2.17.2020**



**Casino  
Night**

Young Engineer  
of the Year

**2.17.2020**

## STS Past Events

### Houston Science Fair– Judges and Volunteers Thank You!

STS sent its usual delegation of judges to the science fair to judge for our special award. This provides an excellent opportunity for professional networking, giving back to our profession, and a pleasant Saturday afternoon. This can be seen by 3 /4 of our judges volunteering year after year. I have attached a list of judges. I have also attached a list of the winners. Our judges did their usual excellent work under the typical time pressure.

Following the event, we also had a brief but pleasant happy hour!

Matt Kolodney, Coordinating SEFH Judge, STS-AIChE

Again Thank You to our Judges!

Norman Berlat, Yurika Diaz Bialowas, Cecilia Burns, Nick Collett, Erin Colaco, Peter Garside, Matthew Kolodney, Carlos Salamanca, Carol Schmidt, Connor Schonert, Henry Smith, Lucas Von Ruff, Peta Williams, Paul Waits, Satiyajit Verma

Award Title	Project Title	J / S	StudentName
SEFH Junior Section	PURi- The Water Purification Process	J	Madison Burke
SEFH Senior Award - 2nd	Algae Spherification: A Natural Method for Reducing Phosphorus in Freshwater Basins	S	Lauren Nguyen
SEFH Senior Award - 3rd	Analyzing the Mechanics of Pollutant Degradation	S	Melannie Nimocks
SEFH Senior Award - 1st	An Analysis of Decanoic Desalination	S	Nabeeha Khan
SEFH Junior Section	PURi- The Water Purification Process	J	Anushka Aggarwal

## 2020 STS-AIChE Monthly Dinner and Social Schedule

***This schedule does not include other STS events, such as networking lunches, workshops, plant tours, Young Professional events, K-12 outreach, PE review course offerings, etc. 2020 will be an exciting year for the South Texas Section. To become an STS volunteer, contact Mark Harkness at [mark.s.harkness@gmail.com](mailto:mark.s.harkness@gmail.com).***

South Texas Section of AIChE 2020 Dinner Venues and Dates				
Monthly Meeting	Venue	Date	Location	Address
January	The Bougainvilleas	9-Jan-20	West	12126 Westheimer Rd. Houston, TX 77077
February	Holiday Inn Airport	6-Feb-20	North	15222 John F Kennedy Blvd. Houston, TX 77032
March	The Bougainvilleas	5-Mar-20	South	12126 Westheimer Rd. Houston, TX 77077
April	Shaffai Hall and Garden	2-Apr-20	East	1622 Federal Rd. Houston, TX 77015
May	The Crown Plaza	7-May-20	West	8686 Kirby Dr. Houston, TX 77054
June	Summer Break			
July				
August				
September	The Crown Plaza	3-Sep-20	South	8686 Kirby Dr. Houston, TX 77054
October	Marriott Town Center	1-Oct-20	South West	16090 City Walk. Sugar Land, Texas 77479
November	Monument Inn	5-Nov-20	East	4406 Independence Pkwy. La Porte, TX 77571
December	December Social			

**STS-AIChE 2020 Season Pass****2020 STS-AIChE Patrons**

First Name	Last Name	Company Name
Yurika	Diaz Bialowas	Chemstations, Inc.
Tom	Rehm	The Climate Solutions Community
George	Vourazeris	Airgas Merchant Gases
Travis	Fixmer	LyondellBasell
William Paul	Waits	Unemployed
Ravindra	Saxena	ANR Consulting
Dale	Embry	ConocoPhillips
Jack	Chosnek	KnowledgeOne LLC
Thomas E.	Menn	
Jordan	Pearce	OLI Systems, Inc.
Joseph	Ramey	Westchase Design LLC
Trevor	Rice	Chemstations
Mark	Harkness	Harkness Engineering and Consulting
Matthew	Kolodney	
John	Middleton	Worley Parsons
Jim	Brigman	Ingenero, Inc.
Victor	Edwards	Vic Edwards Associates
Carol	Schmidt	Wood Group

## 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 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

*2020 Officers and Contact Information*

### Officers

**Chair** Mark Harkness  
[sts-chair@aiche.org](mailto:sts-chair@aiche.org)

**Chair Elect** Dr. Ramanan Krishnamoorti  
[sts-chairelect@aiche.org](mailto:sts-chairelect@aiche.org)

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

**Secretary** Joseph Hernandez  
[sts-secretary@aiche.org](mailto:sts-secretary@aiche.org)

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

### Executive Committee

**Position 1: Education**  
Babak Rafienia  
[sts-position1@aiche.org](mailto:sts-position1@aiche.org)

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

**Position 3: Communications**  
Meghan Spivak  
[sts-position3@aiche.org](mailto:sts-position3@aiche.org)

**Position 4: Human Resources**  
Dr. William Pittman, Ph.D.  
[sts-position4@aiche.org](mailto:sts-position4@aiche.org)

### Volunteers

**Arrangements:** [John Middleton](#)  
**Awards:** [Tom Menn](#)  
**Membership:** [David Silarski](#)  
**Webmaster:** [Talia Sanchez](#)  
**Young Professionals:** [Emily Jackson](#)  
**Advertising:** [Mickey Reeves](#)

### 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 2020

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.

### Newsletter Editor

**Meghan Spivak**  
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