

The South Texan



Thursday, May 4, 2017
Monthly Meeting @ The Bougainvilleas
([12126 Westheimer Rd, Houston, TX, 77077](https://www.google.com/maps/place/12126+Westheimer+Rd,+Houston,+TX,+77077))

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

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

May Dinner Meeting

Dinner Speaker: Rahul Raman, PSM Consultant for Provenance Consulting

Title: *Good Engineering Practice for Emergency Relief System Design*

Abstract: Pressure Relief Systems are designed to protect catastrophic disassembly of a pressure vessel from a pressure excursion. Evergreen Relief System documentation and the design basis play a crucial role in maintaining the safety and integrity of the process. They are designed for the worst case scenario and indeed the last line of defense.

This presentation will focus on the important key regulatory framework that governs Emergency Relief System Design and Design basis. Highlight audit requirements per OSHA compliance directive: Horizontal integration between the PHA Team and ERS Designers, Guidelines for design, installation, and maintenance of Pressure Relief Devices. Discuss successful strategies to address management of change. Finally, the presentation will focus on emerging trends in Pressure Relief Systems and the outlook for addressing future challenges.

Bio: Rahul Raman is a PSM consultant for Provenance Consulting where he helps clients in achieving cost-effective PSM compliance. He provides PSM consulting services to the oil and gas industry, provides technical stewardship, and is a subject matter expert for pressure relief systems. He has extensive experience in PSI audit, changes to relief system due to management of change, revalidation of process units, and two-phase flow analysis. In addition, he is an instructor for the AIChE Basic Emergency Relief System Design Course. He has actively participated in and contributed to the Design Institute for Emergency Relief System (DiERS) and the API Sub-Committee for Pressure Relieving Systems. He completed his Master of Chemical Engineering degree at Carnegie Mellon University and obtained a Bachelor of Technology in Chemical Engineering from Anna University.



Inside this issue:

Meeting Details	2-4
Letter from the Chair	5-6
University Scholarships	8
Awards	9-11
2017 OTC Volunteers	12
2017 Meeting Schedule	13
Season Pass	14-16
Upcoming Event Info	17
STS-AIChE Volunteer Outreach	18-20
STS First Friday Networking Program	21
Pay It Forward Networking Programs	22-25
MJF Associates	26
Young Professionals	27-28
Job Inquiry and Posting	29
Company Liaison Program	30
Contact Information	31
Subscribe/Unsubscribe	

Meeting Registration Information

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

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

NOTE: Please bring your receipt. You have until 4PM CST on May 3rd, 2017 to pre-register online. After that, you will be required to pay the higher cost at the door.

Pre-registration for the main meeting is now open through our [website](#).

Meeting Location— The Bougainvilleas



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

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

Workshop #1

Workshop starts at 5:30 PM

Title: Combined Heat and Power (CHP) for Critical Infrastructure Security & Resilience and Energy Savings

Speaker: Dr. Fanxu Meng

Abstract: Governments are increasingly becoming more concerned about the impact of natural disaster events on critical infrastructure. Combined heat and power (CHP) provides the prospect to improve critical infrastructure resiliency, diminishing the impacts of an emergency by keeping critical facilities running in uninterrupted electric or thermal service. CHP systems can be configured to meet the detailed reliability needs of diverse customers, and to offset the costs for electricity, thermal energy and traditional backup power. For this presentation, the Department of Energy's Southwest CHP Technical Assistance Partnership (SW CHP TAP) will discuss CHP technologies and applications for government critical infrastructure facilities, including wastewater treatment plants, first responded facilities, hospitals and data centers. Further, the presentation will discuss the basics of working through the CHP project development process from early screenings to final commissioning of the facility, as well as the resources that are available from the SW CHP TAP to assist with implementing a CHP project.

Bio: Dr. Fanxu Meng is a Research Associate in Energy Production and Clean Energy Technology programs at Houston Advanced Research Center (HARC). He holds a Ph.D. from Texas A&M University and obtained his B.S. and M.S. from Tianjin University, all in Chemical Engineering. Dr. Meng performs basic and applied research and development in support of projects pertaining to energy production, clean energy, environmental monitoring and emission control. He has published 13 peer-reviewed papers and given 10 presentations at international conferences in the fields of energy and environment. He is a current member of the AIChE and SAE.

Workshop #2

Workshop starts at 5:30 PM

Title: Using Simulation Studies to Optimize Your Ethylene Plant

Speaker: Dhaval Dave

Abstract: The petrochemicals boom has begun as the natural gas prices fell due to new technology boosted production from dense shale formations. Natural gas is both the raw material and fuel for petrochemical plants. By 2Q 2018, we will have additional 15.6 billion lb/yr ethylene production planned – translating to \$16.5 billion investment in the form of new plants or upgrading the existing plants to utilize natural gas and to produce more ethylene.

This presentation provides how steady state and dynamic simulation services can be used to identify the bottlenecks, to retrofit the existing plants and to design the new plants for safer, smooth and optimum operations. Five most frequent applications are discussed to stress the need for simulation: Steam system, Compression system, Flare system, Optimization for various purposes and Control system for integration with other plants. In the last application, an example is presented where an ethylene complex is integrated with polyethylene production and the availability of each plant is highly dependent upon the control system for intermediate products (ethylene) and utilities and their back-ups.

In these examples, dynamic simulation has been used to verify the design and investigate various control strategies. The steady state simulation and optimization tools have been used to establish the balance, set the targets, decide the feedstock/ operating conditions and to maximize the profit. To take the full advantage of these simulation models, the dynamic simulation model can be easily evolved into full multipurpose operator training simulators and the optimization models can be evolved into real-time optimization application.

Bio: Dhaval Dave, Senior Consultant, Schneider Electric Software

Dr. Dhaval Dave has 14 years of experience in simulation and optimization in a variety of industries. Dr. Dave is currently working with Schneider Electric as a Senior Consultant in the Design, Simulation and Optimization group. His prior experiences include positions with British Petroleum and Aspen Technologies. He holds a PhD in chemical engineering from the University of Manchester, UK and an M.Tech in chemical engineering from Indian Institute of Technology - Kanpur. Dr. Dave is a Houston native and his research interests include Dynamic Simulation and Real Time Optimization.



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

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

First I extend my thanks to Vincent M. Torres, MSE, PE, MAC from the University of Texas and Texas Industries of the Future for organizing a superb Energy Forum. The speakers covered the topic of diversity in the workplace and the panel was very informative. I also want to thank James Turner from Flour for stepping in at the last moment to speak on the vital topic of Pressure Relief systems. Again, our section meeting had a strong showing of over 90 attendees!

Our next meeting on May 4th on the west side of town at The Bougainvilleas at 12126 Westheimer Rd, Houston, TX 77077. We will be treated to a discussion from Rahul Raman, a PSM consultant for Provenance Consulting on the topic of Good Engineering Practice for Emergency Relief System Design.

As we reach the midpoint in our programming year, we continue to focus on bringing value to every member of our section no matter how they interface with our organization.

Our interfaces include:

Dinner Meetings

Education – PE Review, Workshops and Conferences

Networking Events – First Friday event for assisting those looking for work

College Students and Young Professionals Assistance

Awards and Recognition

K-12 Outreach – Science Fair



Our Dinner meeting program for 2017 has included:

January - Improving Operational Resilience Using Dynamic Simulation

February - The Oldest Bioreactor - Wastewater Treatment

March - Port Of Houston Authority

April – Pressure Relief Systems: Case Studies and Design Tips

May - Good Engineering Practice for Emergency Relief System Design

June – Houston Ship Channel Tour

September - Process Safety

October- Southwest Process Technology Conference Dinner

November- Water Forum - Houston Subsidence District

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.

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

OTC is around the corner! Our local section supports both the AIChE booth and our area's Science teachers and provides information and goodies for their attendance. I know our members get great satisfaction volunteering in our community supporting STEM events. Contact either Tom Menn or Carol Schmidt to help out at OTC!

We continue to look for sponsoring companies for our meetings. We have three levels of sponsorship. 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! Contact the Chair for more details.

We are also looking for Dinner meeting locations. Can your company host a Dinner meeting? All we need is space for 100 people, workshop space, catering, and parking. We will even provide the speaker!

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

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.

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



Provenance Consulting

Bronze Sponsor

When
Accuracy
Counts



Xchanger
Suite 7

Companies around the world rely on HTRI as a leading provider of process heat transfer technology, research, software, and services.

Our acclaimed thermal process design and simulation software, *Xchanger Suite*, provides nine specific modules for accurate performance prediction of heat transfer equipment, including *Xist*® – the industry standard for designing, rating, and simulating shell-and-tube heat exchangers.

Based on more than 50 years of applied research, our products ensure the highest operating confidence in equipment designed using HTRI technology.

When you need accurate heat exchanger performance prediction, you can count on HTRI.

HTRI
www.htri.net

University Scholarships

2017 Student Scholarship Recipients!



PRAIRIE VIEW
A&M UNIVERSITY

- Fidelis Chendi
- Jaelyn Coleman
- Ja’Kari Jackson



TEXAS A&M
UNIVERSITY

- Allison Mahood
- Tasya Nasoetion
- Katelyn Pearson



RICE
Unconventional Wisdom

- Monique Hartemink
- Lucia Pasara
- Carolina Sampson



UNIVERSITY of
HOUSTON

- Oanh Hoang
- Sharon John
- Benjamin Perez

Awards

It's Awards Time!

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

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

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

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

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

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

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

NOTE: All 2016 Awards Nominations must be received by May 15, 2017!

Awards

South Texas Section – AIChE 2016 Annual Awards Nomination Form

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 15, 2017 TO BE ACCEPTED!

Mail the completed form to:

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

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

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

NOMINATOR'S NAME: _____

ADDRESS:

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

I wish to nominate _____

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

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME: _____

ADDRESS:

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

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

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

2016 STS Distinguished Service Award (*Over age 35*) _____

2016 STS Best Fundamental Paper Award _____

2016 STS Best Applied Paper Award _____

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

Awards

Please enter the name of the 2016 Best Paper again:

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

Enter the contact Author's name again:

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

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

MEMBERSHIP

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

Co-Author # 1: _____ _____ _____

Co-Author # 2: _____ _____ _____

Co-Author # 3: _____ _____ _____

Co-Author # 4: _____ _____ _____

Co-Author # 5: _____ _____ _____

Co-Author # 6: _____ _____ _____

Co-Author # 7: _____ _____ _____

Co-Author # 8: _____ _____ _____

Co-Author # 9: _____ _____ _____

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

For Best Paper Nominations, please provide following information:

NAME OF PUBLICATION: _____

DATE OF PUBLICATION: _____

VOLUME NO. (If known): _____ PAGES: _____ to _____

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

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

2017 Offshore Technology Conference Volunteers

The South Texas Section – AIChE wishes to recognize and thank the following STS Volunteers who volunteered to serve on one or more of the 2017 OTC Arrangements, Registration, and First Timers Lounge Committees:

Kevin Allen	Dewayne Anderson
Joushua Bordin	Steven Briley
Cecilia Burns	Arthur Camero
Evan Carlton	Jiancong Chen
Humbert Chu	Nicholas Collett
Rita DeClaris	Amanda Dei
Yurika Diaz Bialowas	Robert Duffy
Chaitanya Gottimukkala	Mayank Gupta
John Hottovy	Dannis Jen
Carlton Jones	Matthew Kolodney
Tekin Kunt	Wei Leong
Ken Lloyd	Ric Massie
Debra McCall	Monica McCoy
James Menn	John Middleton
Shahebaz Mulla	Eliazar Nava
Quyên Nguyen	Israel Perez
Frank Pierrat	Syamal Poddar
Gary Reeves	Mirelle Rosca
Arthur Ross	Carl Schwanke
Tushar Shah	Mark Siddoway
David Silarski	Mark Smith
John Super	Roger Trandell
Anil Vazrala	Keith Wang
Quinta Warren	Hilda Woghiren
Marc Young	

STS-AIChE 2017 Monthly Dinner Meeting Schedule

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

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

The STS-AIChE Season Pass for the 2017 technical monthly dinner meetings is being offered for \$131. Please visit the STS-AIChE website to signup (<http://sts.aiche.org/content/2017-season-pass>).

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

General Comments

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 Georgeton	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



Visit us at www.sepprosystems.com

Houston, TX ▪ (832) 243-6360 (Tel) ▪ sales@sepprosystems.com

Upcoming Events Information

May First Friday Networking Lunch

Are you discouraged, frustrated and demoralized in your job search? This is likely to be your experience if you've been relying on online job postings and outdated resume formats to get results, as many do. Did you know that a large percentage of all available jobs are not posted anywhere? Or that in Houston, even in this tight economy, we are still creating two jobs for every one that is filled? Job search can become a fun adventure when you approach it with the right strategies and mindset. Terry Suffredini, PE is The Engineer's Coach and she will be talking about Marketing Strategies for Job Search Success (Even in a Tight Economy!) This talk will give you the basics you need to minimize the time you spend between paychecks.

May's networking lunch will be held on Friday, May 5th from 11:30AM - 1:00PM at the Café on the Lake in the Omni Hotel at Westside (13210 Katy Freeway, Houston, TX 77079). The Café lunch menu ranges from \$8 to \$15, and the South Texas Section will subsidize this event by \$5 per attendee.

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

Terry Suffredini, PE is The Engineer's Coach. After earning her degree in Chemical Engineering from UT - Austin, she spent more than 2 decades working in the environmental field. She later transitioned into process design and then into project management, working mainly with large (\$350MM+) midstream oil and gas EPC projects and leading a team of 100+ professionals. Recently, Terry decided to take a bold move and retire from active engineering to focus on her business. A certified Life and Career Coach, it is Terry's mission to use her extensive experience and demonstrated abilities to help fellow engineers excel both personally and professionally. Please register at the following link: [May First Friday Networking](#)



K12 Outreach Volunteers

On April 22nd AIChE STS volunteered at the HISD Annual “When I Grow Up Career” Expo. AIChE STS would like to thank Matt Kolodney, Yurika Diaz, Cliff Woodward, and Carlos Salamanca for their effort at this event.



K12 Outreach Volunteers

Call for K-12 Outreach Volunteers for STS Booth at 2017 Boy Scout Fair

STS will have a booth at the 2017 Boy Scout Fair

Saturday, May 6 at Minute Maid Park

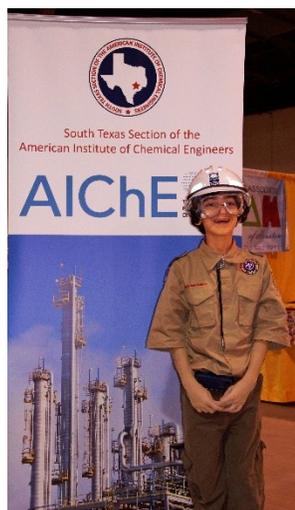
We are requesting 4 volunteers each for two shifts:

Morning 9:30 – 12:30

Afternoon 12:30 – 3:30

For RSVP or Questions contact Matt Kolodney

713-471-8956 or MKolodne1@comcast.net



K12 Outreach Volunteers

Congratulations Science Fair Winners

Senior Div: Adithya Chunangad— Microbial Fuel Cells: Waste to Energy: Part 3

Senior Div: Shefali Chopra— Crude Oil, Can Microbes Eat It

9th Grade: Hakim Werra—Measuring the Sugar Content of Liquids with a Laser

Junior Div: Mariana Rodriguez— Garbage to Garden

HMNS Summer Intern—Erin Brown

STS First Friday Networking Program

Mark Lockhart, P.E. from Burns & McDonnell spoke about how to conduct a job search at April's First Friday Networking Lunch. After being laid-off twice in his career, he developed best practices about conducting an effective job search and shared those techniques with the group. Mark's presentation was well attended with a group of over 30 people.

Mark W. Lockhart, P.E., is the Process Technology Manager for Burns & McDonnell in the P&I Group in Houston, Texas. He is responsible for Process Engineering and Technology Applications for the Refining and Petrochemicals sector. Mr. Lockhart has extensive experience in manufacturing, engineering and Technology Licensing in the Refining and Petrochemicals industry. He has held positions as plant process engineer, process design lead for major projects, Manager and V.P. of Process Engineering and Director of Refining and Petrochemical Technologies. Mr. Lockhart holds a B.S. degree in Chemical and Petroleum Refining Engineering from the Colorado School of Mines and has over 35 years of experience in the Refining and Petrochemical industry.



PAY IT FORWARD NETWORKING PROGRAMS – Training

Location: KCPCH: Korean-American Central Presbyterian Church of Houston
14311 Park Row, Houston, TX 77084

You must register on www.eventbrite.com to attend. AICHE members are welcomed to attend these training sessions and to present.

Contact: Tom Donnelly at tom.donnelly@att.net

Fri. 5/12/17

8:30 AM Start Time

Volunteer Speaker 1: David Coe

Speaker's Title: Vice President Engineering, Mechanical Testing Services LLC

Training Title: "Introduction to OCTG Connection Selection, Evaluation, and Qualification."

Training Abstract: OCTG, Oil Country Tubular Goods describes tubes that are used in oil and gas production such as casing and tubing. The training will provide an overview of the OCTG connection selection, evaluation, and qualification processes and procedures. David will walk through a generic connection selection process that is based on well design loads. Once the list of potential connections are generated, the connections are technically evaluated to determine if the connection is qualified for the application. Generic criteria for this technical evaluation process will be presented. If technical gaps are identified during the "paper" evaluation, physical qualification testing is undertaken to bridge the gap. Physical testing using the API RP 5C5 (2017) connection test protocol will be reviewed and discussed.

10:30

Volunteer Speaker 2: Dr. Taylor Goss

Speaker's Title: Expert Seismic Imaging Geophysicist

Training Title: "The Value Proposition of 3D and 4D Marine Seismic Data."

Training Abstract: Taylor will introduce the value proposition of 3D and 4D Marine Seismic Data. This will include what time lapse means, show synthetic examples of 4D effects. Highlight differences between normal 3D and 4D processing techniques for both acquisition and processing.

PAY IT FORWARD NETWORKING PROGRAMS – Training

Fri 5/19/17

8:30 AM Start Time

Schlumberger Trainer: Abiola Salau

Trainer's Job Title: Senior Production Engineer

Training Category: Production

Title of Training: "Workover Candidate Ranking using Oilfield Manager"

Abstract: "The Oil Field manager (OFM) is a well and reservoir analysis software. It is a collection of tools that give you fast and efficient access to the data you need to get your work done. The work that allows you to track and monitor your production, reliably predict the future for your asset, and ultimately place a value on it. This workflow shows a way to create series of analysis dashboards in OFM that will enable a User to rank workover candidates. It will View the production profile for various wells, Compare the cumulative production of competing operators, view and edit the production events for the outliers, evaluate the effectiveness of the completions and effectively Screen using the NPV values."

9:30 Break 10 mins

9:40

Schlumberger Trainer: Max Yuan

Trainer's Job Title: Senior Production Engineer

Training Category: Production

Title of Training: "The application of Dynamic multiphase flow simulation to unconventional wells using OLGA"

Abstract: "This talk discusses the challenges of unconventional shale wells' productions in the industry. It also demonstrates how dynamic multiphase flow simulator technology, which has traditionally been used to model transient hydraulic flow in flowlines and pipelines, is now also being used for unconventional well modeling to address the production challenges."

10:40 Break 20 mins

PAY IT FORWARD NETWORKING PROGRAMS – Training

11:00

Schlumberger Trainer: Davis W. Scott

Trainer's Job Title: Senior Production Engineer

Training Category: Production

Title of Training: "Gas Lift Design using PIPESIM"

Abstract: "Gas lift is a widely used artificial lift approach to improve the well performance and extend the life of the well. PIPESIM offers rigorous gas lift design and diagnostics functionalities, and these include the ability to perform deepest injection point calculation, lift gas response and bracketing calculations to account for changing future condition. This talk will present the workflow to perform gas lift design and analysis simulation to conduct comprehensive operational diagnoses. The objective is to optimize the gas lift injection rate to achieve the most economic production performance."

PAY IT FORWARD NETWORKING PROGRAMS – Training

Fri. 5/26/17

8:30 AM Start Time

Presentation Title: "IOR/EOR technologies for conventional and unconventional resources"

The objective of this training is to acquaint attendees briefly with the extensive topic of IOR/EOR processes that exist and are in growth for the development of conventional and unconventional resources. The training will cover the following aspects:

- Definition of IOR and EOR
- Reservoir life cycle and fundamentals of fluid displacement in reservoir
- Miscible EOR
- Thermal EOR
- Chemical EOR
- Microbial EOR (MEOR)
- Mobility control as a complement to other EOR processes
- Global EOR projects

Speaker's name: Selim Hannan, Ph.D | P.Eng | MBA

Speaker's title: Reservoir Engineering advisor

Speaker's Title: Speaker's Bio: A diversified professional engineer with 20+ years experience in petroleum industry working on heavy, conventional, and unconventional oil (oil shale, shale oil, tight oil bearing sandstones, oil sands), and gas (shale gas, tight gas) projects. Expertise is in reservoir management, engineering simulation, project management, scientific and technical auditing, reservoir/petroleum engineering, oil field development, reservoir stimulation, environmental science, reservoir geology and geophysics.

MJF Associates

MJF Associates

Organization and Leadership Development

We have over 30 years of experience in helping leaders and their teams get critical results and in helping individuals manage their careers

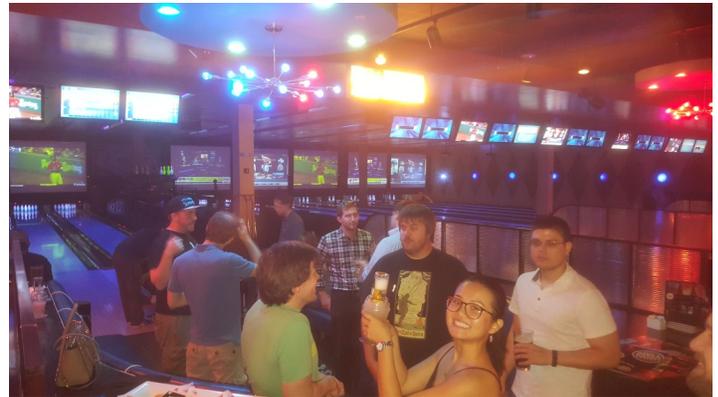
Our services include:

- Executive Coaching
- Career Transition/ Job Search/ Outplacement
- Strategic Alignment/ Planning
- 360-Assessments, Myers-Briggs Type Inventory
- Team Building

Call us at 281-493-0641 or email: MarkF@MJFAssociates.com
<http://mjfassociates.com>

STS-AIChE YP

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



**Happy Hour at Dave & Buster's
April 2017**

STS-AIChE YP

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



**OTC Bag Stuffing
April 2017**

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.

South Texas Section Corporate Liaison Program

The intent of the program is to have a liaison contact at companies in the region that employ a large group of Chemical Engineers, so that the liaison can pass on information on upcoming events, and encourage attendance at STS-AIChE Events.

This program will make it easier for Chemical Engineers to learn about meetings and events that may interest them, and by providing a “personal touch” and intra-company networking opportunity, overcome potential fears or objections to participating. The program will also provide a potential opportunity for employees to be recognized as leaders within their company.

Responsibilities and benefits are listed in the table below.

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

In early 2016, Travis Fixmer, a Process Optimization and Design Engineer with Huntsman Performance Products, developed an intranet website which promotes our Section and its activities within Huntsman. He offered to be a resource to individuals who would like to do the same. If you would like to promote our Section, Travis can provide you with guidance on how to proceed.

Others in our section send intra-company emails promoting the South Texas Section. This can be easily done by simply forwarding the STS monthly meeting notice email to employees in your company.

There is no cost for liaisons or companies to participate. Participation as a liaison is completely voluntary, and companies can transition to a new liaison or end their participation at any time.

If you have any questions, please contact STS Human Resources Director, Tom Rehm, at tom@tomrehm.com or 832-331-6491.



South Texas Section AICHE

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

2017 Officers and Contact Information

Officers

Chair David Rosenthal
sts-chair@aiiche.org

Chair Elect Carlos Salamanca
sts-chairelect@aiiche.org

Past Chair Syamal Poddar
sts-pastchair@aiiche.org

Secretary Chaitanya Gottimukkala
sts-secretary@aiiche.org

Treasurer Yurika Díaz Bialowas
sts-treasurer@aiiche.org

Executive Committee

Position 1: Education
Sanjay Sharma
sts-position1@aiiche.org

Position 2: Outreach
Sheena Reeves
sts-position2@aiiche.org

Position 3: Communications
Kevin Allen
sts-position3@aiiche.org

Position 4: Human Resources
Tom Rehm
sts-position4@aiiche.org

Volunteers

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

SOUTH TEXAS SECTION MISSION STATEMENT

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

Vision 2017

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

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

— SUBSCRIBE/UNSUBSCRIBE INFORMATION —

Our newsletter subscription list is by invitation only.

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

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

— MAINTAIN YOUR CONTACT INFORMATION WITH STS —

Maintain your contact information with the South Texas Section using the online community: <http://www.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 with comments, questions, suggestions, and ideas for next month.



Newsletter Editor

Kevin Allen
Seeking Employment
kevin.r.allen7@gmail.com

Peta Williams
Velocys
peta.williams@gmail.com

Submit an article! Contact:

Matt Kolodney
713-471-8956
MKolodney1@comcast.net

Reserve your ad space! Contact:

Kelly Richardson
(832) 954-6055
sts-advertise@aiiche.org