

The South Texan



Thursday, January 11, 2018
 Monthly Meeting @ The Bougainvilleas
 (12126 Westheimer Rd, Houston, TX, 77077)

5:30PM - 6:30PM Workshop
 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!](#)

January Dinner Meeting

Dinner Speaker: Jack Chosnek, PhD, PE

Title: *Chemical Engineering and, by the way, Process Safety*

Abstract: We are taught how to design and operate processes, originally in the petrochemical industry, but today in many areas. The design that we have been taught has an implicit economic optimization. I propose that, even if you consider economics only and not the goal of benefiting society and not doing harm (as should be), we are missing the mark. Design has not taken into consideration that there are flaws in the design itself, besides the possibility of human error (mainly in operating the processes) and equipment and material failures. These have led to severe incidents that not only have damaged the reputation of chemical engineers, but caused loss of life and unprecedented economic damage. The result has been a resurgence of process safety as a discipline but this is also missing the mark. Process Hazards Analyses (PHAs) try to analyze the process design faults after the fact. Process safety on the contrary should be part of the design. I propose that process safety should be a unit operation of chemical engineering the same way that heat and mass transfer are, and not an afterthought.

The talk will touch on inherently safer design and briefly on the basics of process safety.



Bio: Jack Chosnek has over forty years of experience in the petrochemical industry with involvement in process safety in the majority of them. He worked for Celanese Corporation for 25 years in R&D, Tolling, Pilot Plants, Operations, Process Engineering and Process Safety Management in management and staff positions. He is President and Principal at KnowledgeOneLLC, where he has consulted for companies in the chemical, refining, oil and gas, offshore, and LNG industries, implementing process safety management systems, facilitating PHAs and LOPA/SIL studies, conducting incident investigations, and conducting process safety audits and gap analyses. He has developed practical software for PHA facilitation, Management of Change (MOC) and a Hazards Register. Jack is the Chair of the Technical Advisory Committee of the Mary Kay O'Connor Process Safety Center (MKOPSC). He has been the chair of the PSM Workshops at the South Texas Section of AIChE since 2003. Jack chaired PPSS at the 3rd Global Congress on Process Safety. He has chaired the PSM session of AIChE's Southwest Process Technology Conference since its inception in 2009. Jack has published over 15 papers and is a listed contributor to the 4th edition of Lee's Loss Prevention in the Process Industries.

Jack has a BS and MS from the Technion—Israel Institute of Technology, a PhD from the University of Missouri at Rolla (currently named Missouri S&T University), and an MBA from Texas A&M—Corpus Christi. He is an AIChE Fellow and a member of the Academy of Sciences of Missouri S&T University. He is a Licensed Professional Engineer in the State of Texas. He is the holder of three patents related to chemical production.

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Meeting Registration Information

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

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

NOTE: Please bring your receipt. You have until 4PM CST on January 10th, 2018 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 Bougainvilles



This month's meeting will be held at The Bougainvilles ([12126 Westheimer Rd, Houston, TX, 77077](http://www.bougainvilles.com)).

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

January Meeting Dinner Menu

An Italian Evening with STS AIChE!
At The Boungainvilleas

Buffet Dinner:

Cesar Salad with Garlic Bread

Chicken Parmesan

Chicken Marsala

Green Beans

Roaster Rosemary Potatoes

Vegetarian Dinner Option:

Stuff Portabello Mushroom

*This dish is by request only – reservation are due a day before the event.

Dessert:

Key Lime Mousse

Chocolate Mousse

Non-Alcoholic Beverage Station:

Coffee Regular and Decaf

Tea

Alcoholic Beverages:

Cash Bar

Workshop Information

Workshop starts at 5:30 PM

Title: Next generation of process modeling and optimization technology

Speaker: Dimitrios Georgis

Abstract: Process industries are always looking for ways to optimize key performance indicators. Rigorous process optimization is based on high-fidelity predictive mathematical models consisting of first-principles coupled with accurate thermodynamics. Given the size and the complexity of such models, the equation-oriented modeling approach is more promising compared to the traditional sequential modular approach. Recent advances in equation-oriented modeling technology extend the current modeling capabilities and demonstrate that the combination of high-fidelity, physics based mathematical models coupled with accurate thermodynamics within an equation-oriented environment leads to better, safer and faster decisions generating significant value.

In this workshop, the fundamentals of the advanced process modeling technology will be discussed, new capabilities will be analyzed and the benefits of adopting this technology will be illustrated through different case studies. In particular, we will discuss the development and model validation of multi-scale models of chemical reactors and their integration within a process flowsheet. The results of a whole-plant optimization study will reveal the benefits of using this technology.

Bio: Dimitrios Georgis, Process Systems Enterprise Inc., Houston TX, USA

Dimitrios is a Senior Applications Engineer based in Houston having joined PSE four years ago after completing his PhD in Chemical Engineering at the University of Minnesota and his Diploma in Chemical Engineering at the Aristotle University of Thessaloniki in Greece. Dimitrios is currently supporting advanced process modeling applications in a wide range of different industries, including Gas Processing, Air Separation, Chemicals and Petrochemicals. Dimitrios has experience in developing and deploying physics-based mathematical models of complex process schemes for process simulation and optimization studies.

Workshop Information

Workshop starts at 5:30 PM

Title: Process Safety and Human Factors: Using a Context-Aware Operations Management System

Speaker: Arun Murugan, Fitiri

Abstract: Many plant incidents can be attributed to human error, some brought on by human-machine interactions. A context-aware mobile system has been designed to minimize these errors while increasing the efficiency of operations. This system imposes discipline, uniformity in thinking, and makes available to the operator, on-demand, the required technical information to perform the job at hand. It enables real time communication from field operators to panel operator/supervisor/management through mobile devices. This system has been incorporated in a number of fertilizer plants around the world using state of the art mobile technology. It has been used in routine operations to feed the log sheets of a particular task at the required time of day, and in non-routine operations such as startups, normal shutdowns, emergency operations and other critical situations such as power loss, loss of containment, loss of utilities, etc. Besides being a “virtual assistant” to operators by providing on-demand, context-based technical information for plant operations, such as SOPs, P&IDs and SDSs, it can be used for performing the right corrective action and for training.

Bio: Arun Murugan is the Director of Software Engineering at Fitiri, a global technology firm that specializes in software solutions for improving Human Performance in mission critical plant operations. He has an extensive background in software engineering and developing systems to automate and augment plant personnel at their work environment. After joining Fitiri he has been involved in interacting with chemical plant operators, supervisors and managers and in the development of PlantMS a comprehensive plant operations management solution. He has headed successful implementations in number of ammonia, methanol, urea and gas plants in the US and overseas which included training plant personnel. He works closely with the department for Human-Centered Design at Florida Institute of Technology to bring to chemical plant operations the research work done in the aerospace domain. He has a Bachelor's degree in Information Technology from Anna University, India.

January 2018 STS-AIChE Chair's Letter – Carlos Salamanca

Happy New Year South Texas Section! If you are working on your resolutions, you may have experienced a sudden burst of motivation and self-examination that comes late December and early January. I would start by remembering all the challenges the Houston region faced during 2017. Even though they were difficult, those challenges made us work close together with our community and made us stronger as a group. They tested our knowledge, strength, and resolve. Based on those circumstances, we have to give thought to what we really want and what we really need for 2018. Then, we can decide how to perform and execute our plan.

I want to thank our outgoing Executive Committee members who completed their terms in December: Syamal Poddar, Kevin R. Allen, Morgan Reed, and Chaitanya Gottimukkala. Their service has been a huge benefit to the South Texas Section and to practicing Chemical Engineers in the area. Also, I would like to welcome our new officers: Thomas Rehm, Sheena Reeves, Jimmy D. Kumana, Debra McCall, and Swarup Bade. Returning Board Members are Yurika Diaz Bialowas, Thomas Rehm, Sanjay K Sharma, Matt Kolodney and David Rosenthal. Thanks to the contributions of leaders such as Tom Menn and John Middleton. 2017 was a year of many accomplishments and I want to especially recognize David Rosenthal's leadership for accomplishing so much. He was able to assemble excellent talks and inspire our volunteers and group to participate in different events. Thank you Dave for your legacy and inspiration to many of us.



We have a great 2018 in the works. Looking forward, we plan to strengthen our activities in the different subcommittees. Some of the challenges for our South Texas Section of AIChE remain the same: How do we maintain membership? How do we keep our members interested? How do we bring and retain millennial professionals? How do we help in training the next ChE generation? How do we help members in transition? How do we increase sponsor participation? How do we provide support to our student chapters? How do we encourage more volunteers to join? What can we do at meetings to improve attendance? What is the best way we can serve our membership? How can we do this using new technologies available to us? Participate in our EXCOM and planning meetings to reach your concerns.

All STS-AIChE should have received their renewal forms for their 2018 AIChE membership. Keep in mind, you should join our local section also. Our Season Pass is also available for your convenience. Please help us encourage college students to join our activities and participate in the Section. If your company wants to participate as a sponsor of one of the future meetings and/or a plant tour, we can consider that. As we are preparing our upcoming meetings, we are looking for great speakers to discuss relevant topics for our profession as dinner speaker or as part of our workshops. Plans are emerging for the upcoming months. Stay tuned to our website and social network groups.

January 2018 STS-AIChE Chair's Letter – Carlos Salamanca

The STS-AIChE starts the year talking about Process Safety in the Petrochemical industry. Jack Chosnek has a very interesting presentation involving the challenges our region is facing, and how to analyze incidents.

2018 marks a significant anniversary for the STS-AIChE as the section turns to its 75th anniversary. If you go through the leadership list since its foundation, we have a feeling of gratitude to those professionals who preceded us that worked hard and contributed to make Houston, the global energy capital, as it is considered today. We are looking forward to expand more on this topic in the next few weeks.

Please consider, when making your resolutions, to include STS-AIChE. So if you feel your life or professional career is missing something, consider joining the STS team. They are a great bunch of people and I've enjoyed working with them. You will too!

Looking forward to seeing you at any of our events.

AIChE-STS 2018 Officers

President:	Carlos A. Salamanca,
Vice President:	Thomas E. Rehm,
Secretary:	Debra McCall,
Treasurer:	Yurika Diaz Bialowas,
Director:	David A. Rosenthal,
Director:	Sanjay K. Sharma,
Director:	Sheena M. Reeves,
Director:	Kevin R. Allen,
Director:	Jimmy D. Kumana,
Registered Corporate Agent:	Matthew Kolodney

Get ready for
STS-AICHE
College Night
March 1, 2018

MITIGATE HEAT EXCHANGER FOULING

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

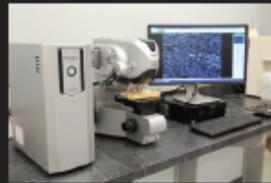
- Measure the fouling propensity of a crude
- Evaluate the benefits of anti-foulant additives
- Assess the impact of production additives
- Compare the fouling potential of different crudes or blends
- Estimate fouling thresholds for temperature and velocity
- Evaluate the impact of metallurgy

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

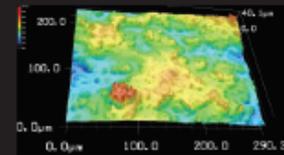
Contact us to learn how we can help:
contracts@htri.net



One of three fouling research rigs



HTRI's laser scanning microscope



Three-dimensional model of deposit from laser scanning microscope

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STS-AIChE Annual Awards

It's STS Awards Nomination Time!

Nominations are being accepted thru May 1, 2018 for the following STS Annual Awards:

- **2017 STS Best Applied Paper Award**
- **2017 STS Best Fundamental Paper Award**
- **2017 STS Best In Practice Paper Award ****NEW!******
- **2017 STS Outstanding Young Professional Award (Under 35)**
- **2017 STS Distinguished Service Award (Over 36)**
- **2017 STS Special Service Award(s)**

Nomination Forms are available in The South Texan or nominations may be made using the STS web-site (<https://www.aiche.org/community/sites/local-sections/sts/forms/sts-award-nomination-form>) or by contacting:

Matt Christiansen	281-544-6476	Matthew.Christiansen@shell.com
Tom Menn	281-485-3719	ThomasMenn@SBCGlobal.net
Ryan Stephens	281-544-8447	Ryan.Stephens@Shell.com

STS-AIChE Annual Awards

South Texas Section – AIChE 2017 Annual Awards Nomination Form

THIS NOMINATION FORM MUST BE RECEIVED BY **MAY 1, 2018** TO BE ACCEPTED!

Mail the completed form to:

Thomas E. Menn	Or	Matt Christiansen, PhD	Or	Ryan Stephens, PhD
Awards Chair		Best Papers Judging Chair		Best Papers Judging Co-Chair
P. O. Box 458		Shell Projects and Technology		Shell Global Solutions (US) Inc.

Pearland, Texas 77588-0548

Technology Center
3333 Highway 6 South
Houston, Texas 77082

Tel.: 281-485-3719

Tel.: 281-544-6476

Tel: 281-544-8447

ThomasMenn@SBCGlobal.net

Matthew.Christiansen@shell.com

Ryan.Stephens@shell.com

*Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AIChE & STS Membership is verified. All Best Paper Nominees not Members of AIChE or STS may wish to join STS or STS and AIChE until **May 31, 2018** in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.*

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

NOMINATOR'S NAME: _____

ADDRESS: _____

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

I wish to nominate _____

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

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME: _____

ADDRESS: _____

STREET: _____

STS-AIChE Annual Awards

STREET: _____

CITY: _____ STATE: _____

ZIP CODE: _____

TELEPHONE NUMBER: AC: _____ NO: _____

E-MAIL ADDRESS: _____

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

2017 STS Outstanding Young Professional Award (*Under age 35*) _____

2017 STS Distinguished Service Award (*Over age 35*) _____

2017 STS Best Fundamental Paper Award _____

2017 STS Best Applied Paper Award _____

2017 STS Best In Practice Paper Award ****NEW!!** _____

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

For Best Paper Nominations

Please enter the name of the nominated 2018 Best Paper again:

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

Enter the contact Author's name again:

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

Check Best Paper Category Again:

Fundamental ___
Applied ___
In Practice ___

STS-AIChE Annual Awards

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

	<u>MEMBERSHIP</u>	
	<u>AICHE</u>	<u>STS</u>
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: _____	----	_____

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

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

For Best Paper Nominations, please provide following information:

NAME OF PUBLICATION: _____

DATE OF PUBLICATION: _____

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

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

*Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AIChE & STS Membership is verified. **All Best Paper Nominees not Members of AIChE or STS may wish to join STS or AIChE and STS until May 31, 2018 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.***

Young Professional of the Month: Yurika Diaz Bialowas



Yurika earned her BS in Chemical Engineering from the University of Calgary. As a university student, she was employed by Dynamics Risk as an intern to assist in launching the company software to model pipeline systems. She also maintained a contract with Fekete Associates Inc., a leading provider of reservoir management software, to gather client information and assist in providing solution that improve productivity.

After graduation, Yurika joined the Environmental Health and Risk Management Department at the University of Houston Plant Operations, she co-authored and published an article addressing the design and development of a low-cost P2 plan with minimal implementation obstacles and strong payoff potentials for the University of Houston.

In 2006, Yurika joined Chemstations Inc. in Houston, Texas as a Senior Technical Support Engineer. She troubleshoots simulations using CHEMCAD Suite software, provides support to clients' needs regarding process engineering, process design, process simulation, heat transfer, thermodynamics, installation, and licensing.

Yurika has been an active member of AIChE since 2009. She is the current STS AIChE 2017-2018 Treasurer, and volunteers for the Community Outreach and K-12 Outreach Programs with the local and national chapters.

STS-AIChE Volunteer Outreach

2018 Offshore Technology Conference**Volunteers Needed**

30 April–3 May 2018 at NRG Park, Houston, Texas, USA

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

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

Contact Tom Menn @ thomasmenn@sbcglobal.net

STS-AIChE Volunteer Outreach

Intersociety Retreat on K-12 Outreach Activity

Coordinated by Engineering, Science, & Technical Council of Houston

Held Saturday, January 13, 2018, 8:30 a.m. – 12:00 p.m. at Houston Museum of Natural Science

5555 Herman Park Drive, Houston, TX 77030

(No Charge for Registration, Parking, or Breakfast)

For Reservation (recommended) or Further Information, Call Sue Pritchett at 281-451-6522

Speakers:



Ms. Susan Pritchett: Past President of ECH, Past President of the Science & Engineering Fair of Houston, Business Development Manager at Ikon Sciences America.

Dr. Heather Domjan: Executive Director of the Science & Engineering Fair of Houston, Science Education Professor at UH

Dr. Carolyn Sumners: VP for Astronomy, Physical Sciences, & Youth Programs at the Houston Museum of Natural Sciences, VP of ECH, Adjunct Professor at Rice University

Mr. Jeffrey Lindner : Meteorologist, and Emergency Flood Program Director for Harris County Flood Control District, Regional expert on major storms and flooding

Engaging in K-12 Outreach...

Join us for a morning of guest speakers and breakout discussions focused on how professional societies can engage with students to inspire the next generation of STEM leaders.

Why Engineering and Science Societies Should Consider K-12 Outreach:

K-12 activities offer our organizations opportunities to give back to society and our professions.

They also offer additional paths for our members, particularly young professionals, to get involved, and network, and to gain leadership experience and other “soft skills.”

Joint activities offer a greater variety of activities, resulting in more leaders and active members.

They also offer more opportunities for recognition within Greater Houston and within our national professional organizations

Intersociety Activities Offer:

Programs that most local organizations cannot accomplish alone

Additional opportunities to offer our members

New ideas and contacts

Avoid “reinventing the wheel”

STS-AIChE Volunteer Outreach

ECH encourages multiple members of our member societies to attend this retreat.

Attendees receive free admission to HMNS exhibits



Several 2017 Houston Museum of Natural Science Summer Interns and Dr. Laura Jacobs, at the Annual ECH Banquet

Agenda:

8:30am	Breakfast & Networking
9:00am	ECH Welcome
9:10am	HMNS Update and Tour
10:00am	Hurricane Harvey review and update on Houston weather and flooding
10:50am	Break
11:00am	ECH and SEFH Updates
12:00pm	Adjourn

STS-AIChE Volunteer Outreach

SPE-GCS YP Volunteering at the Beacon

Please join SPE-GCS Young Professionals in their support of The Beacon, a nonprofit organization helping the poor and homeless populations of the Houston area. Since opening in 2007, the Beacon has grown from serving 80 clients per day to serving 600-800 clients daily in four core programs: The Beacon Day Center, Cathedral Clinic at The Beacon, Brigid's Hope at The Beacon, and Cathedral Justice Project at The Beacon. These four programs come together under one roof to provide meals, showers, laundry service, case management, medical and psychiatric care, pro bono legal services and pastoral care.

More than 85% of the services of The Beacon are operated by volunteers. SPE-GCS Young Professionals will answer the call to service. Please come and bring friends or family.

Please have a good breakfast before coming to the event in order to remain fit throughout the event, because it goes beyond the regular lunchtime and involves some physical activity.



STS-AIChE Volunteer Outreach

STS AIChE Calling for Volunteers!

STS AIChE will be joining efforts with SPE to volunteer at the 2018 Chevron Houston Marathon on Saturday January 14, 2018 at the George R. Brown Convention Center.

Volunteer will assist in setting-up and distribute food and snacks to the runners post-race at the HEB Food Court, located in the George R. Brown Convention Center. Direct runners to green crew recycling and composting stations as they finish their meals. If you are interested contact Yurika Diaz Bialowas at sts-treasurer@aiche.org and let her know if you can help.

Further information including confirmation and a schedule will be sent out later. It will be a great day to work together and assist those that are raising funds for those that need them the most.

For more information, use the link below:

<https://www.spegcs.org/events/3768/>

Wear weather appropriate clothing and comfortable shoes. Please arrive at 7:00 am at the Volunteer Check-in in the Convention Center. Several days prior to the event, the Houston Marathon Committee Shift Captain (and AIChE and SPE Team Lead) will contact you by email with final instructions, such as parking suggestions.

Please note that you must register on the Houston Marathon Volunteer Website, when ask if you are part of a group, select the Society of Petroleum Engineers so that the Marathon Committee has an accurate headcount.

<https://hou.emos1.com/volunteer/RegisterVolunteer.aspx?s=164F8D&eid=11>

STS-AIChE 2017 Volunteer Appreciation Dinner

On December 21st the STS honored those who have volunteered their time to the section. This included office holders entering and leaving their respective positions.



Upcoming Events Information

January 12th First Friday Networking Lunch

Small Business Mentoring and Success by SCORE (Service Core of Retired Executives)

The presentation will address how SCORE (an acronym for Service Core of Retired Executives) as a non-profit, nation-wide organization of volunteers is dedicated to the formation, growth and success of small businesses. It will describe how SCORE mentors and trains its clients, what impact the SCORE organization is having and how you can find us. Anyone who is contemplating starting their own business or who might have an interest in joining SCORE as a volunteer mentor should not miss this presentation.

January's First Friday Networking Lunch will be held on Friday, January 12th from 11:30AM - 1:00PM at the Omni Houston Hotel at Westside (13210 Katy Fwy, Houston, TX 77079). The lunch menu ranges from \$9 to \$11, and the South Texas Section will subsidize this event by \$3 per attendee. Everyone is welcome to attend!

Rick Wright has more than 37 years of experience with oil and gas developments around the world. He began his career with Chevron in Midland, TX, followed by domestic assignments in Houston (4 different times), California, and Louisiana and then international assignments in West Africa (Lagos, Nigeria and Luanda, Angola). He is a Petroleum Engineer with a general knowledge of drilling, production, and reservoir engineering fundamentals which provided the foundation for in-depth experience in asset management and new deep-water developments. His last assignment at Chevron included managing the Perdido Field development (200 miles from shore, in 10,000' of water in the Gulf of Mexico), which had a peak production rate of 200,000 barrels of oil per day.

Rick retired from Chevron in 2013 after 34 years to take the position of Director, Technical for Addax Petroleum-Nigeria and returned to Nigeria for a second tour of duty. In this role, Rick served on the Board of Directors for Addax-Nigeria and had oversight responsibility for the exploration, asset management, and planning functions. After 3 years at Addax, Rick repatriated to the US and started Wright Energy, LLC for oil & gas consulting and investing.

Rick is a 1974 graduate of Anson High School, a 1978 graduate of The University of Texas-Austin, where he obtained a B.S. in Petroleum Engineering and a 1997 graduate of Tulane University, where he obtained an M.B.A. He is a Registered Professional Engineer in the State of Texas and is a lifetime member of the National Society of Petroleum Engineers. Rick served on the External Advisory Committee for the Petroleum Engineering Department at U.T. from 2011-2013. He is currently a member of the President's Associates at The University of Texas-Austin.

Have suggestions for future topics, formats and speakers? Please contact Fabian Solberg at fabian.solberg@eisenmann.com or +1 (815) 307-5746

Register [HERE](#).

Upcoming Events Information

Spring 2018 PE Review Course for Chemical Engineering

The STS-AIChE & the University of Houston will sponsor a Chemical Engineering Professional Engineering Review Course, Spring of 2018.

Exam Dates in 2018 are 1(Jan-Mar) 2(Apr-Jun) 3(Jul-Sep) 4(Oct-Dec).

The course will be held at UH from 4:00 to 7:00pm on Friday afternoons beginning February 2nd through April 26. The cost for the course (not including books) is \$900 for non-members, \$650 for members of both National AIChE and STS-AIChE. We have continued to update the curriculum based upon feedback from the students over the past three course offerings.

Contact Dale Embry at dembry@uh.edu or 832-815-1552 for more information.

Texas Board of Professional Engineers (TBPE)

National Council of Examiners for Engineering and Surveying (NCEES):

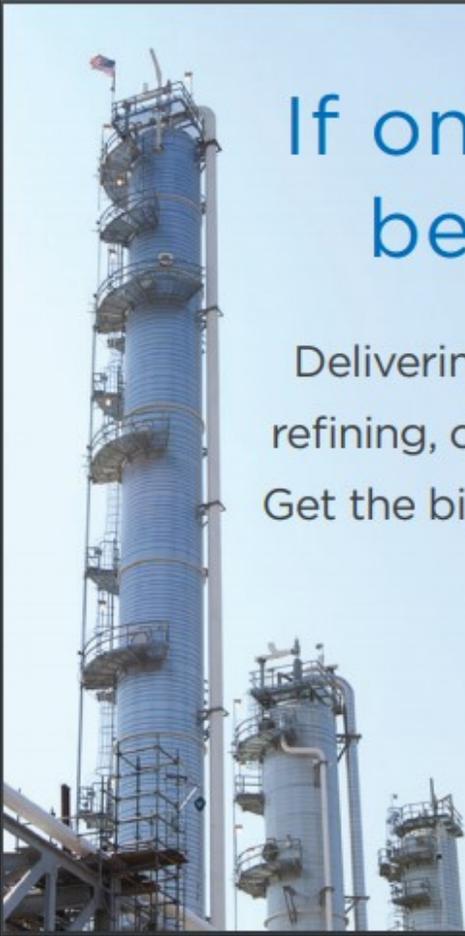
Books used in the course: Study Materials can be found at <http://ppi2pass.com/> & www.ncees.org

Chemical Engineering Reference Manual for the PE Exam ISBN-10:1-59126-007-8 NCEES PE Exam

Chemical Sample Questions and Solutions ISBN:978-1-932613-52-0

Reminder: January 19th is the course registration deadline.

Check our website page “PE Refresher Course Offered Spring 2018” for more information



If only gas prices could be this predictable.

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

BURNS  **MCDONNELL**SM

CREATE AMAZING.

STS-AIChE 2018 Meeting Schedule

Date	Location	Meeting Details (Speaker/Company/Topic)
January 11	Bougainvilleas	Process Safety
February 1	The Battleground Golf Course	TBD
March 1	IAG Building	College Night
April 5	The Battleground Golf Course	Energy Forum
May 3	Bougainvilleas	OTC, Awards Night
September 6	Bougainvilleas	TBD
October 4-5	Moody Gardens	SPTC TBD
November 1	The Battleground Golf Course	Water Forum
December 6	Trini Mendenhall Community Center	Workshops

This coming year features many great speakers and topics at our STS AIChE Dinner meetings. Our Season's Pass program is a great way not to miss a single meeting!

Over 35 of our members enjoyed the benefits of our 2017 Season Pass program such as:

- One price to attend all eight monthly dinner meetings for the price of seven!
- No need to register in advance for each dinner meeting
- You get to own our limited edition attractive name badge!
- Announcement of your participation at each meeting
- Includes the SPTC STS AIChE Dinner meeting

The good news is that we are offering the season pass for \$149 per person, so there is no price increase for 2018. This coming year's meetings will feature different events and workshops.

So don't delay and sign up for the 2018 Season's Pass on our [website](#) by our first meeting on January 11th! We look forward to seeing you at each meeting.

STS-AIChE 2018 Season Pass

General Comments

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

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

Frequently Asked Questions (FAQ)

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

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

What if I cannot attend a dinner meeting?

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

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

Even the most dedicated members cannot make every meeting. The season pass is priced assuming that you will miss a meeting. If you can provide at least a one week notice, by e-mailing the Treasurer at sts-treasurer@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! We have also implemented a new registration system, if you opt to keep your personalized name tag with us, we will store it for you and make it available for you at every meeting so there is no need to remember your name tag.

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 2018 Season Pass**2018 STS-AIChE Patrons**

Name	Affiliation
Travis Fixmer	
Gary Miller	
Carlos Salamanca	
Yurika Diaz Bialowas	Chemstations Inc.
Sanjay Sharma	Honeywell
Fabian Solberg	Eisenmann Corporation USA
David Rosenthal	Reliability Strategy and Implementation Consultancy
Ravi Saxena	
Victor Edwards	
Trevor Rice	Chemstations Inc.
Gus Georgeton	
Wendy Young	Chemstations Inc.
Syamal Poddar	
George Redd	
Dale Embry	
Thomas Rehm	TERehm Consultancy LLC
Joseph Ramey	
Kamal Shah	
Matthew Kolodney	
William Waits	
Matthew Clark	
James Turner	
Julie White	

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

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2018 Officers and Contact Information

Officers

Chair Carlos Salamanca
sts-chair@aiiche.org

Chair Elect Tom Rehm
sts-chairelect@aiiche.org

Past Chair David Rosenthal
sts-pastchair@aiiche.org

Secretary Debra McCall
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
Jimmy D. Kumana
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 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)

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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@aiiche.org with comments, questions, suggestions, and ideas for next month.

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