

The South Texan



Thursday, September 6, 2018

Monthly Meeting @ The Bougainvilleas Houston
(12126 Westheimer Rd, Houston, TX 77077)

5:30PM - 6:30PM Workshops
6:00PM - 7:00PM Social/Networking Time
7:00PM - 8:00PM Dinner and STS Announcements
8:15PM - 9:00PM Dinner Presentation/Speaker

Check us out on [YouTube!](#)

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September Dinner Meeting

Dinner Speaker: Uday Turaga, Founder & CEO of ADI Analytics



Title: *North America: A future LNG superpower?*

Abstract: In less than a decade, the shale revolution has dramatically transformed North America from the largest energy consumer to one of the fastest growing energy exporter. Amongst all the commodities that are now exported, LNG is one where North America can be a truly global player. This presentation will identify and discuss key drivers, global demand, supply, technology, and projects.

Bio: Uday Turaga is Founder & CEO of ADI Analytics, a management consulting firm based in Houston, Texas, and specializing in oil and gas, energy, and chemicals.

Through 19 years of industry experience gained at ExxonMobil, ConocoPhillips, Booz & Company, and ADI Analytics, Turaga brings deep commercial and technical expertise in oil and gas, coal, renewables, and chemicals. Turaga has led ADI Analytics for the past nine years and through 300 projects for over 100 clients including ExxonMobil, Shell, Saudi Aramco, BASF, GE, Honeywell, and U.S. Department of Energy.

Turaga holds a PhD in fuel science from Penn State and an MBA from the University of Texas at Austin. In addition to authoring over 100 papers and patents, he has been recognized by the U.S. National Academy of Engineering, the American Chemical Society, and the Penn State Alumni Association. Finally, Turaga has been featured in the Wall Street Journal, National Public Radio, and Bloomberg, and is a frequent speaker on energy issues at conferences and events globally.

Meeting Registration Information

Membership in STS-AICChE 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 for the main meeting is now open through our [website](#).

	Pre-Registration	Pre-Registration	At the door	At the door
	Members	Non-Members	Members	Non-Members
Regular/Retired	\$25	\$35	\$35	\$40
Student / Unemployed	\$15	\$20	\$25	\$30

Meeting Location— The Bougainvilleas Houston



This month’s meeting will be held at The Bougainvilleas Houston ([12126 Westheimer Rd, Houston, TX 77077](https://www.google.com/maps/place/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](#).

September Meeting Dinner Menu

A Cajun Evening with STS AICChE at The Bougainvilleas

Buffet Dinner:

- Garden Salad with Italian Dressing
- Corn Bread
- Blackened Chicken with Creole Sauce
- Chicken and Sausage Gumbo
- Dirty Rice
- Collard Greens

Vegetarian Dinner Option:

- Vegetable Stuffed Portabello Mushroom with a Balsamic Glaze **
- ** This dish is by request only – reservations are due two (2) days before the event.

Dessert:

- Bread Pudding

Coffee Station:

- Regular Coffee
- Decaffeinated Coffee

Non-Alcoholic Beverages:

- Iced tea with Lemon Wedges
- Water

Alcoholic Beverages:

- Cash Bar**
- ** Cash only – no electronic payment option

Workshop I Information

Workshop starts at 5:30 PM:

Title: Are you setting up your control system to manage vessel levels correctly?

Speaker: Steven Obermann, Sr. Product Manager, Metso Performance Solutions

Abstract: Process Level controllers often fail to be optimized correctly for the use cases in our processes. This workshop will explain why level control is different from other control loops. We will share some strategies to overcome common level loop behavior problems. Majority of level control loops are tuned incorrectly when one considers process design aspects. Level controller tuning adjustments can be made to achieve the vessels purpose in the production process. Demonstration of these techniques will be presented.



Bio: Steve Obermann is the Sr. Product Manager overseeing the Expertune family of software products. He has worked in the process automation field for 30+ years. Steve has extensive experience in the refining and petrochemicals sector; having been employed by Texaco, WR Grace, UOP, Honeywell, and Texas Petrochemicals. His expertise includes process modeling, advance control, optimization, software development, process and control system performance evaluation/benchmarking, project financial analysis and management.

Workshop II Information

Workshop starts at 5:30 PM:

Title: Process Design and Validation of Plant Operation Using Principles of Probabilistic Data Analysis and Six Sigma Methodologies

Speaker: Raul E. Ayala Ph.D.

Abstract: After a chemical process has been developed, designed, and started-up at commercial scale, it is usually desired to validate the actual plant operation performance against design assumptions. However, the engineer usually encounters factors that affect the quality of the data collected at a plant, both from a variability standpoint as well as from data availability or lack thereof. This workshop presentation will describe simplified Six Sigma and probabilistic methodologies that can be used for reducing uncertainty in future operation and ensure that successful validation plans, data collection strategies, and methods for data analysis are reliable for predictions and risk assessment going forward. The strategies will be illustrated using examples of system-wide and subsystem plant operations using the aforementioned error-reducing strategies.



Bio: Raul E. Ayala Ph.D., Senior Engineering Leader, REA Technology Consultants

Raul is currently an Engineering Leader and Consultant with extensive experience leading New Technology, Process Engineering, and Research and Development (R&D) teams in programs in the Energy, Specialty Materials and Polymers, and Fuels applications. Prior to consulting, he worked at the General Electric Co. for over twenty years as Technology Leader, Consulting Engineer, and R&D Engineer in the GE Power and Water division in Houston, TX, and GE Global Research in Niskayuna, NY. Raul is a certified Six-Sigma Master Black Belt, a holder of 17 US-issued patents, and an author of over 50 technical publications and two book chapters on power generation and gas treatment. He holds an MS and PhD degrees from Carnegie Mellon University in Pittsburgh, PA, and a BS from the University of Nevada at Reno, all in chemical engineering. He can be contacted at reayala07@gmail.com.

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

Hello South Texas Section,

With the Oil and Gas industry slowly picking up and numerous expansions happening globally, the markets for process chemicals, and additives for refineries, petrochemicals, fuels, lubricants, and oilfield industries are poised for growth. In recent months, there are many regulations around the world that emphasize the need for enhanced fuel efficiency, health, as well as environmental policies that help drive progress in our field.

Summer has come to an end and STS-AIChE had the opportunity to participate in traditional social activities such as our Ship Channel tour and the Houston Astros baseball game. These were great opportunities for our folks in Houston to mingle together. Getting back into our Fall semester, we are planning for our remaining end of the year meetings: monthly meetings, South Process Technology Conference, and the 75th Anniversary Gala Celebration coming in November.



Our networking lunches' volunteers, David Alexander and Fabian Solberg, have been very diligent in getting speakers and topics for our upcoming meetings. Use this opportunity to attend those gatherings as they are on different times and locations compared to our traditional monthly meetings. Topics range from job search strategies to technical skills; all of them needed to keep abreast of current knowledge, and to expand our technical tools.

The 75th Anniversary Gala Celebration on November 3rd at the Houston Racquet Ball is getting closer. Dennis Griffin, Jimmy Kumana, along with a group of STS members, are diligently working on the event preparation. As STS-AIChE wants to reach every single member of our chapter, we encourage all our current members and former members to contribute with participation, old pictures, industry facts, and anecdotes; so that we can include them in our Diamond Jubilee celebration.

Executive meetings take place on the second Thursday of every month. If you want to participate or provide suggestions, please feel free to email me so we can accommodate you in any of those meetings. Our next monthly meeting will be on September 6th at The Bougainvillea's. Our dinner speaker will be Uday Turaga from ADI Analytics LLC. Also, for workshops, we have George Buckbee, from Metso, and Raul Ayala PhD, from REA Technology Consultants.

STS-AIChE wants to generate awareness about the skills that bring value to our profession through a variety of initiatives. Activities to create value for our members. Please tell us what topics YOU want to hear from us, what topics, questions, or scenarios you want us to cover in our upcoming meetings that will help you get to your next level.

Looking forward to talk to you.



Monthly Meeting Sponsorship – Benefits

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

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Sponsors for 2018—Thank You



STS - AIChE Awards Update

2017 South Texas Section - AIChE Best Papers Awards

The 2016 STS – AIChE Best Papers Competition received two (2) nominations in the Applied category, six (6) in the Fundamental category, and none (0) in the Best In Practice category. The Best Papers the Applied and Fundamental categories will be announced at the October 9 South Texas Section – AIChE Monthly Dinner Meeting at the Moody Gardens Hotel located at 7 Hope Boulevard in Galveston, Texas.

2018 Offshore Technology Conference Volunteers

The South Texas Section – AIChE wishes to recognize and thank those listed below for volunteering to serve on one or more of the 2018 OTC Arrangements, Registration, and First Timers Orientation Committees:

Aditaya 'Adi' Akheramka	Dewayne Anderson
Raul Ayala	Steven Briley
Arthur Camero	Yurika Bialowas Diaz
Robert Duffy	Debra McCall Haney
Dannis Jen	Matthew Kolodney
Marie Laplante	James Menn
Tom Menn	Israel 'Izzy' Perez
Syamal Poddar	Gary Reeves
Charles Robert	Mirelle Rosca
Carlos Salamanca	Carl Schwanke
Tushar Shah	Tencha Shoemaker
John Super	Sanaz Taghvaii
Roger Trandell	Satyajit Verma
	Marc Young

As the STS – AIChE Volunteers provided more than 64 hours of volunteer time, the STS – AIChE received a \$1,000 honorarium from the OTC.

Young Professional of the Month: Talia Sanchez



Talia is our new Webmaster for STS AIChE. She graduated Suma cum Laude with her BS in Chemical Engineering and Minor in Public Affairs (McBride Honors Program) from Colorado School of Mines in 2010. Her time at CSM included being an active member of the student AIChE chapter and a captain of the club soccer team. She graduated in 2012 from University of Colorado in Boulder with an MS in Chemical Engineering, including research of therapeutic protein thermodynamic stability at oil water interfaces under Dr. Theodore W. Randolph. After college she joined Spirit Environmental as an environmental consultant and is currently working as a Project Manager. Two (2) years ago, she decided to become more involved in her community and re-activated her membership with AIChE. In her spare time, Talia practices Krav Maga. She recently received her blue belt and teaches beginner's Krav Maga and women's self-defense classes at Fight Back Fit.

STS-AIChE K-12 STEM Outreach

Sydney Brown was a summer intern at the Houston Museum of Natural Science. He has written about his experience during this internship. These comments shed a light over what our STS AIChE chapter is doing in K-12 STEM outreach.

This July I had the privilege of a summer internship at the Houston Museum of Natural Science. During its first half I researched and created useful material for a planetarium presentation on an undersea mission. The voyage began in New York and ended in islands off Portugal. Viewers will see pictures of a variety of creatures and utilize maps that I personally created. I learned how to create displays from scratch and to solve problems when I initially lacked certain necessary information. This will be helpful in preparing future technical papers and grant proposals.

During the second half of the internship, I helped run the planetarium shows. These particular shows were curated to celebrate the 50th anniversary of the Apollo 8 Mission, which circled the Moon. I ran the computer during the shows and helped describe certain aspects of the programs to the viewers. This experience will be helpful in preparing and presenting future technical presentations and classroom lectures. In addition, one goal of these shows was to gather data on how much the average student knows about space.

This fall I plan to start college, majoring in physics and astronomy. This summer I was able to access a variety of information regarding my planned major, and this reconfirmed my chosen field and in doing research. I also gained useful skills in my field, as well as helpful contacts. In addition, I got excellent experience working as a member of a scientific team. These internships should be very helpful for aspiring chemical engineers in the future

Just before going to college I successfully experienced working beyond my comfort zone. This was my first scientific summer job and my first research job. In addition, I am not particularly outgoing and was going to work closely with others. I was apprehensive going in, but quickly put my hesitation aside and feel more prepared for college in Boston.

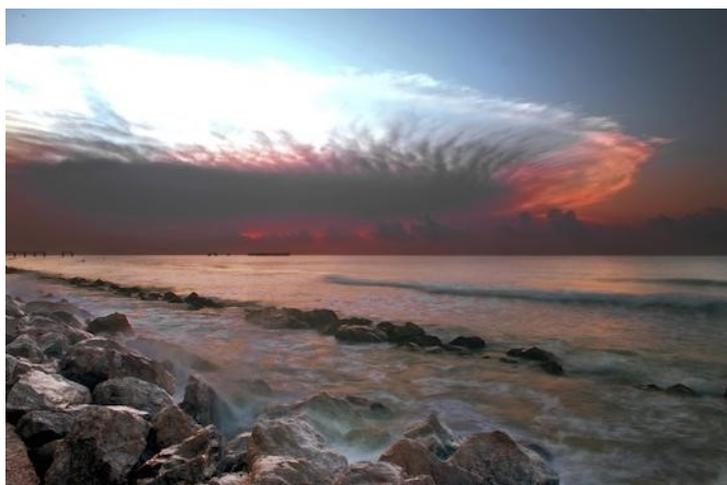
Finally, I would like to thank the AIChE for funding an internship for a future astronomer. Thank you for helping me when AIChE's first choice for the internship (a chemical engineer) chose a different summer internship program. When I deal with chemical engineers in the future I will remember when you gave me this opportunity.

10th Southwest Process Technology Conference, Call for Volunteers

October 9-10, 2018

[Moody Gardens Hotel and Convention Center](#)

The South Texas Section of the AIChE, in partnership with AIChE HQ, is hosting its Tenth Annual Southwest Regional Process Technology Conference at the Moody Gardens in Galveston, TX on October 9 & 10, 2018. The conference provides technical sessions, industry solutions in process technology, and networking opportunities for the nearly 500 chemical engineers and students that attend.



CALL FOR 2018 SPTC VOLUNTEERS:

Volunteer duties typically include working at registration, as session aides for the technical presentations, assisting exhibitors, working meal lines and collecting event tickets.

Volunteers will receive free registration for the day or days they volunteer. If you are interested contact David Silarski at sts-membership@aiiche.org and let him know if you can work one or both days.

Further information including confirmation and a schedule will be sent out later. It will be a greater conference because of your assistance.



South Texas Section's Networking Luncheon Program

As many of you know, our local STS section has one of the most varied and active in the country, and probably the world, programs for its members.

One of these is the Professional Networking Luncheons that we sponsor twice a month - on the 1st and 3rd Fridays of each month, from 11:30 am to 1 pm.

The 1st Friday lunch is held on the west side, currently at the Wyndham Hotel just north of the intersection between I-10 and Highway 6. The 3rd Friday lunch is held on the east side at the Pipeline Grill restaurant (10,003 Spencer Highway) roughly halfway between Red Bluff Rd and Bay Area Blvd.

Each meeting features a speaker on a topic that we think would be of interest and value to the membership. However, anyone can attend; you do not have to be a member. All we ask that you register on the STS website, and do attend if you have registered. The speakers and topics are usually different each time, although we did repeat once.

Attendance records show that only 60-65% of those who register actually attend, which often causes logistical problems for the west side meetings at the Wyndham, where the lunch is served buffet style, and we have to give the hotel a head count a day in advance. If we have no shows, STS takes a hit on the cost, not to mention the needless waste of food. We pay \$16 per head, attendees pay \$11 per head. So if 30 people register, and we have 20 no-shows, it costs STS $$(16 \times 10 + 20 \times 5) = \260 , of which \$160 is a total waste. Because we accept walk-ins, the loss is partially offset usually, although sometimes we also run out of food. At the Pipeline Grill, no-shows do not have a financial impact, because all meals are a la carte.

When the presentation is primarily of a professional nature (e.g. steam turbine integration, patents, environmental permitting, plant safety/security) rather than of general interest (e.g. causes of Climate Disruption, career tips), it is uploaded to the website and made available to all visitors. We have issued 44 PDH (Professional Development Hours) certificates so far this year to those who requested them, which are useful for maintaining active PE licenses.

As you can imagine, it takes a lot of effort to run this program. We have a team of five volunteers who arrange for the speakers, select topics, prepare and e-blast the meeting announcements (speaker photo/bio, topic abstract), confirm arrangements with the meeting venue, bring and setup the screen and a/v equipment, prepare sign-in sheets, name tags, pay bills, follow-up with issuing PDH certificates, etc,

Fabian Solberg and Amar Ahluwalia are responsible for running the west side meetings. David Alexander and Onesimus Haruna take care of all logistics for the east side meetings. I help out wherever it is needed, as well as prepare and issue PDH certificates, and keep overall records for the program.

South Texas Section's Networking Luncheon Program

Attendance statistics up to the first week of August are provided in the table below.

Date	Venue	Topic	Regist'rd	No-shows	Walk-ins	Attended
12-Jan	Omni	Federal govt mentoring programs for Entrepreneurs	33	12	3	24
2-Feb	Omni	Optimal integration of Stm Turbines in industrial plants	33	17	12	28
16-Feb	PL grill	Optimal integration of Stm Turbines in industrial plants	24	14	4	14
2-Mar	Wyndham	Local Impacts of Climate Change	31	9	9	31
16-Mar	PL grill	Global warming is Not Cool	31	9	7	29
6-Apr	Wyndham	3D Mapping to Design Flame/Gas Detection Systems	16	4	12	24
20-Apr	PL grill	Successful Risk Taking at Work	18	5	6	19
4-May	Wyndham	Marketing Strategies for Job Search Success	18	4	11	25
18-May	PL grill	Guarding against Physical and Data Security Breaches	17	8	3	12
1-Jun	Wyndham	Future of Oil Prices: a perspective	41	12	7	36
15-Jun	PL grill	Patents and Intellectual Property: Invention to Value	33	19	7	21
6-Jul	Wyndham	No meeting due to 4th July holidays	-----	-----	-----	-----
20-Jul	PL grill	EHS Compliance in a Rapidly Evolving World	18	4	12	26
3-Aug	Wyndham	Managing Technology Risk using the TQ Process	31	15	7	23
17-Aug	PL grill	Advances in Thermal Oxidation technologies				0
7-Sep	Wyndham					0
21-Sep	PL grill	Strategies for Job Search Success				0
5-Oct	Wyndham					0
19-Oct	PL grill	Business Culture Killers - Deadly practices				0
2-Nov	Wyndham					0
16-Nov	PL grill	Future trends in Chem Process Engineering to be confirmed				0
7-Dec	Wyndham					
21-Dec	PL grill	No meeting due to Xmas holidays	-----	-----	-----	-----
			344	132	100	312
			% of registered	38%	29%	91%

What we need to confirm is that all this effort is justified because it delivers value not only to our members but to the Chem Eng community area-wide, and is helping them to enhance their careers not only through broadening horizons, but by creating opportunities to make contacts that will enable them to be more effective on the job.

For those in transition between jobs, the meetings are an excellent opportunity to glean market intelligence about which companies may be hiring, and what kind of skills/experience are in demand. But they have to work at it intelligently; it is not realistic to expect being offered a job by someone you have just met.

Help out your colleagues by informing our HR director (that's me for now, jkumana@aol.com) if anyone becomes of job openings that could be of interest to others, and we will forward this information confidentially to those who are looking for a change. Also, if you would like to hear a talk on a particular topic, or know of a good speaker, do inform us so we can follow up.

Similarly, if you have a technical problem at work for which you would like to explore ideas for potential solution options, we will try to connect you with someone who might be able and willing to help informally. Such activities would probably fall under the purview of Matt Kolodney, who is putting together a panel of experienced senior engineers to serve as mentors.

Let us know your stories – both successes as well as failures. The former will be a source of satisfaction. The latter will help us find ways to improve.

Upcoming Events

September 7th First Friday Networking Lunch

The next STS-AIChE First Friday Networking Lunch (FFNL) will be held on Friday, **September 7th from 11:30AM - 1:00PM** at the **Wyndham Houston West Energy Corridor Park Restaurant and Grill** ([14703 Park Row Dr, Houston, TX 77079](#)). The restaurant is located on the east side of the hotel and there is designated parking available. The lunch cost \$11 all included (tax, tip, drinks and food) after the South Texas Section has subsidized this event by \$5 per attendee. You pay for the lunch when you walk into the Park Restaurant at the Wyndham hotel. **Everyone is welcome to attend!**

[Register at the AIChE STS website.](#)

Topic: Career Paths in Research & Development

Speaker: Sagar Sarsani

The presentation will start with an overview of various stages in the research & development of new chemical processes in industry and the metric commonly used in R&D to rank and prioritize projects. It then follows on to the personal traits required to be successful researcher, based on personal experiences and learnings from the senior leadership in the Industry. Practical examples are provided to show the timelines and challenges in the development of new breakthrough processes. For those chemical engineers not in this career path, this talk will provide a flavor of what it's like in R&D and hopefully a better understanding of research engineers.



Dr. Sagar Sarsani is currently a Staff Scientist in Engineering Sciences Department in Corporate Research & Development at SABIC Technology Center (Sugarland, TX). He obtained his Bachelor's in Chemical Engineering from IIT Bombay, followed by an MS and PhD in Chemical Engineering from the Center for Environmentally Beneficial Catalysis at the University of Kansas. His career began in 2007 at Dow Chemical (Freeport, TX) as a Sr. Research Engineer where he worked on projects ranging from basic chemicals to fine chemicals to polymers, with a focus in reaction engineering and catalysis. In 2013, he joined SABIC, where he develops new catalytic processes for conversion of natural gas to chemical intermediates. He has over 25 patent applications and 10 publications in refereed journals. He is a member of AIChE and routinely chairs sessions on 'Catalysis & Reaction Engineering' at AIChE annual meetings.

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

Upcoming Events

September 21st Third Friday Networking Lunch

The next STS-AIChE Third Friday Networking Lunch (FFNL) will be held on Friday, **September 21st from 11:30AM - 1:00PM** at the **Pipeline Grill** ([10003 Spencer Hwy, La Porte, TX 77571](http://www.pipelinegrill.com)). The lunch menu ranges from \$8 to \$12, and the South Texas Section will subsidize lunches by \$3 per attendee. STS members as well as non-members are welcome to attend. We only request that you pre-register at the STS-AIChE.org website so we can get an accurate head count for the restaurant. **Everyone is welcome to attend!**

[Register at the AIChE STS website.](#)

Topic: How to Make Yourself Indispensable to Your Employer

Speaker: Terry Suffredini

We are just now coming off another downturn in the engineering community here in southwest Texas. Things may be looking up for the immediate future, but economies are always cyclical. Have you noticed how some “lucky” people seem to stay employed even when things go south? What if you could make your own luck? What if you could take steps now that will make your employer want to keep you onboard, even if it means putting you on overhead? You can! In this talk, Terry shares tips and strategies that have worked for her and others who have had the foresight to become indispensable.

Never Get Laid Off Again: They'll jump through hoops to keep you, regardless of the Economy!



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, where she now works working mainly on large (\$350MM+) midstream oil and gas EPC projects and leading a team of 100+ professionals. While currently employed by S&B Engineers and Constructors, Ltd. here in Houston, Terry is also a certified Life and Career Coach. It is her mission to use her extensive experience and demonstrated abilities to help fellow engineers excel both personally and professionally. eMail: terryatk@yahoo.com, (713) 492-3257.

Have suggestions for future topics, formats and speakers? Please contact David Alexander at 832-372-2926 or davidalexanderlaw1249@gmail.com. Alternative STS contacts = jkumana@aol.com and Onesimus Haruna 281-216-8985.

Upcoming Events

Diamond Jubilee Celebration: South Texas Section of AIChE

The South Texas Section of the American Institute of Chemical Engineers is now 75 years old, and we are celebrating this with our Diamond Jubilee Celebration Dinner on Saturday, November 3, 2018. The dinner will be held at the [Houston Racquet Club](#), which is at [10709 Memorial Drive](#) near Voss.



The evening will start at 6:00 PM with a social period with a cash bar and passed hors d'oeuvres followed by a gourmet dinner beginning at 7:00 PM. More information on the event and on the dinner menu can be found on the STS website [here](#).

In addition to the great dinner, we will be featuring recognition of outstanding members and former members of the STS-AIChE.

After the dinner, we will enjoy dancing to NightBeat Band, the premier band in Houston.

The price for each person is \$75, and this includes complimentary valet parking, a champagne toast, the dinner, and the music.

Registration for the Diamond Jubilee Celebration Dinner will start at the STS-AIChE monthly meeting on Thursday, September 6. Please register early because there is a limit to the number of people who can attend.

For additional information, please send an email message to:

STS-AICHE75@sbcglobal.net

Upcoming Events

Offshore Technology Conference 2019



Now is the time to start preparing your abstract for OTC 2019!
Paper proposals will be accepted through **18 September 2018**.

- Abstracts (up to 450 words) are **due 18 September 2018**.
- Start working now on your company or client clearance to submit.
- Manuscript deadline for selected papers will be **5 February 2019**.

[Submit Abstract](#)

We look forward to receiving high-quality submissions, which will help shape a vibrant future for the offshore energy sector.

As we celebrate the 50th anniversary of OTC, we will look to the future: a future in which offshore energy embraces renewables and socially responsible energy production, continues the drive for improved safety in all phases of design and operation, and marches toward digitalization, robotics, and automation.

Upcoming Events

Arctic Technology Conference 2018



What do you get when experts involved in drilling, exploration, production, and environmental protection meet brilliant minds in Arctic exploration from around the globe for a 3-day event?

[Arctic Technology Conference 2018](#)

5-7 November 2018 | Houston, Texas, USA | Hilton Americas

[Register Today](#)

With Houston as one of the world's significant energy hubs, the city is the perfect meeting place for industry experts to convene and discuss cutting-edge technologies and innovative practices needed for the exploration and production in the Arctic.

Did you know?

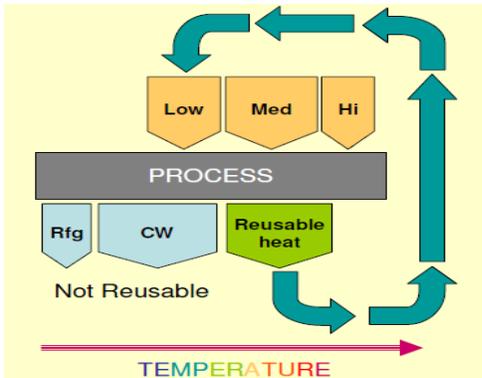
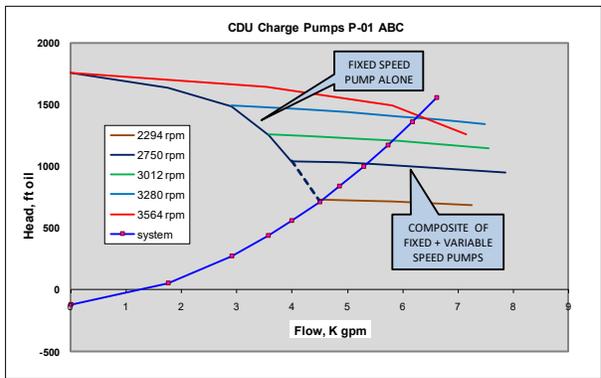
- More than 650 industry professionals work in Arctic E&P.
- OTC Arctic provides a platform for industry experts to share knowledge and experiences for a more collaborative program.
 - Technical program topics include:
 - Ice and Harsh Environment
 - Emerging Technology and Innovation
 - Pipeline, Logistics, and Transport
 - Regulatory, Environmental, and Social Responsibility
 - Resource Exploration and Production Operations
 - Why should you attend Arctic Technology Conference?

[Learn More](#)

Upcoming Events

Course Announcement

Two new courses are being offered in Houston this fall for process engineers with design or operating responsibilities in the chemical process industries, with emphasis on the hydrocarbons sector:

<div style="text-align: center;"> <h3>OPTIMIZING HX NETWORKS</h3>  <p style="text-align: center;">25-27 September, 2018</p> </div>	<div style="text-align: center;"> <h3>OPTIMIZING COMPLEX PUMP SYSTEMS</h3>  <p style="text-align: center;">23-24 October, 2018</p> </div>
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Get up-to-date on field-tested tools and techniques to reduce Opex and improve competitive advantage for your company, as well as turbo-charge your career.

The course instructor is an internationally recognized expert in process efficiency optimization, whose team cut the energy bill of a major NOC by 40% in 6 years (at ROI ~25%) despite gas prices as low as \$0.75 - \$1.25/MMBtu.

Course format is a combination of lectures, actual industrial case studies, and working sessions using spreadsheet software (included).

HX NETWORKS (HENS)	COMPLEX PUMP SYSTEMS
<ul style="list-style-type: none"> HX Design & Simulation HEN Design & Simulation Pinch Analysis – Basic Pinch Analysis – Advanced Case studies – new and retrofit 	<ul style="list-style-type: none"> Pump systems theory Driver selection – fixed vs VFD Optimizing System Efficiency Correct Application of VFDs Case studies

Both courses will be held at the Hyatt Regency North Houston hotel located at 425 North Sam Houston Pkwy E (also known as “Beltway 8 North Loop”), Houston, TX 77060, at the intersection with Imperial Valley Road. Phone (281) 249-1234.

Early bird registration discounts available (www.petroleumrefining.com) until **Aug 28** for the September course, only a week away. For more details or questions, please contact seminars@petroleumrefining.com or call 412-826-5440, and ask for Kim Wunnenberg.

Upcoming Events

STS Young Professionals

Fun and competition are brewing!



The second annual AICHe Beer Brewing Competition is being held at this year's Annual Meeting in Minneapolis, thanks in large part to the Young Professionals Committee. Among the competitors will be a team from Chemstations, Inc., in Houston.

On October 28th, the Chemstations crew will join other teams in presenting a poster detailing their beer's recipe, brewing process, and other specifics. Beers in different categories (dark and malty, light and hoppy) will be judged on taste, and the winners in all areas will be awarded prizes. To learn more about the competition, check out www.aidhe.org/brewbeer

If you're attending the 2018 AICHe Annual Meeting, come by and cheer on your Houston-Area Young Professionals!

Summer Events

Four networking luncheons were held during June, July, and August.

Date	Topic	Speaker
1-Jun	Future of Oil Prices: a perspective	Dr Ronald Sills
15-Jun	Patents and Intellectual Property: Invention to Value	Peter Hanik
20-Jul	EHS Compliance in a Rapidly Evolving World	Jed Anderson
3 - Aug	Managing Technology Risk using the TQ process	Amar Ahluwalia



Dr. Ronald Sills



Peter Hanik



Jed Anderson



Jed Anderson (right) in discussion with Dr. Verma



Amar Ahluwalia

STS-AIChE 2018 Meeting Schedule

Date	Location	Meeting Details (Speaker/Company/Topic)
January 11	Bougainvilleas	Process Safety
February 1	The Battleground Golf Course	Alignment, Engagement and Execution: Creating Strong Team Performance and Results –Or, How to Herd Cats!
March 1	Bougainvilleas	The Power of Modelling – Then, Now and Expected
April 5	Shafaii Hall and Garden	Energy Forum, Trends in LNG – Bigger isn't always better
May 3	Bougainvilleas	Tom Williams, Global Leader of Operator Effectiveness at Honeywell Process Solutions and Director of the Abnormal Situation Management Consortium (ASM) ; Better Decisions Faster: Simple Things Can Reduce Incidents and Improve Operator Performance.
September 6	Bougainvilleas	Uday Turaga, Founder & CEO of ADI Analytics North America: A future LNG superpower?
October 9	Moody Gardens	Southwest Process Technology Conference (SPTC) TBD
November 1	Shafaii Hall and Garden	Water Forum
December 6	Trini Mendenhall Community Center	Workshops

This coming year features many great speakers and topics at our STS AIChE Dinner meetings. We look forward to seeing you at each meeting.

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

Name	Affiliation
Travis Fixmer	Huntsman
Gary Miller	Air Liquide
Carlos Salamanca	SCG
Yurika Diaz Bialowas	Chemstations Inc.
Sanjay Sharma	Honeywell
Fabian Solberg	Eisenmann Corporation USA
David Rosenthal	RSIC
Ravi Saxena	ANR Consulting
Vic Edwards	VHE Technical Analysis
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Wendy Young	Chemstations Inc.
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Kamal Shah	IHI E&C International
Matthew Kolodney	Entech Engineering
Arnab Baksi	Bechtel Hydrocarbon Technology Solutions

Name	Affiliation
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George Duane Vouraceris, P.E.	Airgas Merchant Gases
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Jack Chosnek	KnowledgeOne LLC
Maximo Salazar	
Nicholas D'Ambrosio	En-Fab Inc.
John Middleton	WorleyParsons
Helen Kester	Fitiri
YP	STS AIChE YP Guest
Carol Schmidt	Wood
Erin Green-Colaco	
Larry Chriswell	Keelson Company
Jim Brigman	Ingenero Inc

South Texas Section Corporate Liaison Program

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

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

Responsibilities and benefits are listed in the table below.

STS-AIChE	Liaison	Company
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

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Chair Elect Tom Rehm
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Past Chair David Rosenthal
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Treasurer Yurika Díaz Bialowas
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Position 2: Outreach
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Position 3: Communications
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Position 4: Human Resources
Jimmy D. Kumana
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Volunteers

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

SOUTH TEXAS SECTION MISSION STATEMENT

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

Vision 2018

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

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

— SUBSCRIBE/UNSUBSCRIBE INFORMATION —

Our newsletter subscription list is by invitation only.

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

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

— MAINTAIN YOUR CONTACT INFORMATION WITH STS —

Maintain your contact information with the South Texas Section using the online community: <http://www.aiiche.org/>

Contact the AICHE for PERMANENT ADDRESS CORRECTIONS:

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

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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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