

The South Texan



Thursday, September 8, 2016

Monthly Meeting @ Pelazzio ([12121 Westheimer Rd, Houston, TX 77077](https://www.google.com/maps/place/12121+Westheimer+Rd,+Houston,+TX+77077))

5:30PM - 6:30PM Free Workshops (UEFA & Env)
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](#)!

September Dinner Meeting

Dinner Speaker: Doug Kelly, KBR

Title: *Increasing Refinery Flexibility through Technology and Innovation*

Abstract: When people hear the word “innovation” they rarely associate this word with the refining industry. Refining companies are generally known for being conservative and their reputation is somewhat expected. After all, refining has been around well over 100 years and innovation is often associated with newer industries and companies. However, to profitably compete in today’s market of ever changing crude oil qualities and environmental, safety and profitability challenges, refiners must be innovative and flexible. This presentation will discuss several ways that refiners are using novel and creative ideas to deploy proven and emerging technologies to address their challenges.

Bio: Doug Kelly is Vice President, Refining and Coal Monetization, KBR Technology. He joined KBR in 2010 and is currently responsible for KBR’s Global Refining and Coal Monetization Technology Business that includes licensing, basic engineering and design, and proprietary equipment.



Mr. Kelly has over 30 years of experience in the Refining and Petrochemical Industry. He started his career as a process engineer at Shell Oil Company in Houston. Since then he has held various important positions including Chief Operating Officer at Zero Emission Energy Plants (ZEEP), Vice President at Invensys and Vice President at Aspen Technology.

Mr. Kelly has a Chemical Engineering degree from the University of Oklahoma and is a Licensed Professional Engineer registered in Texas.

He serves on the Board of Directors for the American Fuel & Petrochemical Association (AFPM) and is a member of the American Institute of Chemical Engineers.

Mr. Kelly also gives back to the community by serving on the Board of Directors of the Youth Development Center.

KBR

Thanks to our Gold Sponsor!

Inside this issue:

Workshop Details	2
Meeting Details	3
Letter from the Chair	4-5
50 Year Membership	6-7
2016 Meeting Schedule	8
Season Pass	9-10
STS-AIChE Executive Board Nominations	11
Thanks to our OTC Volunteers!	12
Mentor For An Evening	13
Upcoming Events: SPTC	14
UH OChEGS 31st Annual Symposium	15-17
Young Professionals	18
Call for Volunteers	19-20
Company Liaison Pro-	21
Contact Information	22
Subscribe/Unsubscribe	

WORKSHOPS

Upstream Engineering & Flow Assurance (UEFA) Workshop

Speaker: Dr. Sibani Lisa Biswal, Associate Professor,
Chemical and Biomolecular Engineering (CHBE) and Material Science and Nanoengineering (MSNE)
Rice University, Houston, TX

Visualizing Oil Flow Processes Using Microfluidic Devices

Abstract: Asphaltene deposition is a common cause of significant flow assurance problems in wellbores and production equipment as well as near-wellbore regions in oil reservoirs. My lab has generated micro-models, which are combined with high-speed imaging to visualize asphaltene deposition and transport in microfluidic devices with permeability contrasts, fractures, and multiple phases. The wettability of these surfaces can be altered to mimic the heterogeneous wettability found in reservoir systems. I will discuss how this understanding has allowed us to design better strategies to address asphaltenes deposition in porous media.

Biography: *Dr. Sibani Lisa Biswal is an Associate Professor at the Department of Chemical and Biomolecular Engineering at Rice University in Houston, TX and leads the Soft Matter Engineering Laboratory. She has a B.S in chemical engineering from Caltech (1999) and a Ph.D. in chemical engineering from Stanford University (2004). She is the recipient of an ONR Young Investigator Award (2008), a National Science Foundation CAREER award (2009), Rice U. Graduate Student Association Faculty Teaching and Mentoring Award (2012), and the Southwest Texas Section AIChE Best Fundamental Paper Award (2014).*

Environmental Workshop

Speaker: Keisha Antoine, PhD, PE,
Antoine Technical Consulting LLC, Houston, TX

Biological Control of Water Quality

Abstract: Acceptable water quality is dependent on the end-use of the water. Thus, the end-use of the water will drive the water treatment methods employed. In this talk, we will look at how biological contaminants affect water quality especially where the water may be stored for any length of time. This talk will also address the meaning of appropriate water quality from the industrial process water use perspective.

Biography: *Keisha Antoine obtained a B.S. in Chemical Engineering in 2001 and a M. Eng. and PhD in Materials Science & Engineering in 2004 and 2007, respectively, all from Lehigh University. She is the holder of one patent and is a registered professional engineer in the state of NY. Keisha has nearly 8 years of industrial experience working on glass processes and functionalization, carbon footprint and energy analyses at Corning Incorporated, a Fortune 500 technology company. In 2015, Keisha went into private practice and opened her own technical services consulting firm, Antoine Technical Consulting LLC, providing process design, scale-up and water management solutions to manufacturers principally in the chemical process industries. She is a current member of the American Institute of Chemical Engineers (AIChE).*

Meeting Registration Information

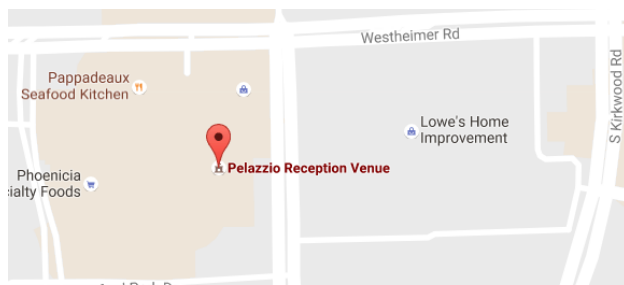
Membership in STS-AIChE is a bargain at \$20/year. If you wish to become a member, you may join at the registration desk at the meeting.

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

NOTE: Please bring your receipt. You have until 4PM CST on September 7, 2016 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— Pelazzio



This month's meeting will be held in the Westchase area at Pelazzio (12121 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](#).



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

Heat Transfer Research, Inc. (HTRI) began its real-world thermal process research more than 50 years ago. These proprietary data and countless studies using industrially relevant research rigs led to the development of **Xchanger Suite 7** – its acclaimed heat exchanger design, rating, and simulation software. To ensure your equipment meets your requirements, **Xchanger Suite** provides nine specific modules that offer access to the most advanced performance prediction methods available.

HTRI
www.htri.net

September 2016 STS-AIChE Chair's Letter – Syamal Poddar

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

Recently I updated you with a special August Monthly chair's letter where I highlighted our activities in the Summer and our remaining activities of 2016. This being my September letter, let me start off by recapping our pre-Fall activities: We conducted very successfully our monthly dinner meetings from January through May, and during each of these monthly meetings, we had invited speakers from industries we represent. All presentations were informative, thought-provoking, and engaging. Any of you who could not attend these dinners meetings, please note that these presentations are available on [YouTube](#). These speakers were (in a chronological fashion) Paul Evans, Director of the Production and Simulation Technologies Department of Southwest Research Institute (SwRI); Mark Lockhart, Process Technology Manager, and Blake Soyars, Environmental/Air Section Manager of Burns & McDonnell; Walter Pinto, Site Manager, Bayport complex of LyondellBasell in Pasadena, Texas; AIChE's current President, Dr. Gregory Stephanopoulos, W.H. Dow Professor of Chemical Engineering and Biotechnology at MIT; and Tim Olsen of Emerson Process Management. I am pleased to let you know that all five dinner meetings were sponsored events with sponsorship of varied levels. Details on the sponsorship are available in the respective Newsletters.



Our activities at STS never stop. Per schedule on July 9th, we had our Summer Planning meeting proceeded by a short Excom meeting at the Bechtel offices at 3000 Post Oak Blvd. This was hosted by Freeman Self, a longtime active STS member. The other notable activity was our traditional Ship Channel visit which happened on June 11th. Just like in previous years since its inception, this sold out event was very successfully organized by one of your dedicated volunteers, Dennis Griffith.

We have arranged a few workshops before the monthly dinner meeting events, and we are planning a few during future months. For details of the past and future activities, please refer to past and the September Newsletter which is scheduled to be published soon.

In addition to the summary of activities, there are many more volunteer activities organized by our active volunteers, such as judging at the Houston Engineering Science Fair; supporting K-12 initiatives; participation in Engineers Week; and the Boy Scout Fair to name a few. Also, starting our April monthly dinner meeting event, we have initiated a monthly mentoring event "Mentor for an Evening," details of which are available in our Newsletter.

September 2016 STS-AIChE Chair's Letter – Syamal Poddar

Please note that starting in September, our regular monthly dinner meeting will resume for the remaining three months of September, October, and November. The invited speaker for September is Doug Kelly, Vice President of Refining Technology and Coal Monetization of KBR. The details of this dinner meeting and about our invited speaker please see [STS-AIChE website](#). We look forward to seeing you at this meeting.

As a reminder, please note that our very successful [STPC conference](#) in Moody Garden Convention Center in Galveston is scheduled for October 6th – 7th. In cooperation with AIChE, the planning of this event is in high gear. My ardent request to our dedicated volunteers, especially our YP volunteers, is to come forward and get engaged with the team. Please contact John Middleton, Dave Silarski, or any of the leadership team members of this conference. For details please see [STS-AIChE website](#).

Just like in previous years, we shall have our November monthly meeting in conjunction with the Water Forum organized by the Texas Industries of the Future, Center for Energy & Environmental Resources of the University of Texas at Austin. Our November meeting is scheduled on November 3rd.

Before Summer recess we reached out via e-letter requesting those who are not currently members to join STS-AIChE, and as I indicated in May letter, I'm pleased to inform you that we are seeing positive results with already about a 7% increase in our membership. Please spread the word in bringing more inclusion and diversity in our organization and simultaneously creating a sustainable growth of our organization.

I would like to entertain your ideas and active participation to address another challenging task at hand. This is to attract and retain our young professionals via productive and active engagement in our various activities. Please feel free to contact me should you have any creative ideas. Simultaneously, I encourage all our active volunteers to reach out to our young professionals to actively listen to them to understand and learn from them. We need to actively focus to build a pool of effective future leaders.

With your continued encouraging and engaging cooperation, we shall bring in creative ideas with an open mind and leverage our collective voluntary efforts to positively impact the society we live in while we are always maintaining our focus to streamline and simplify our "way of doing."

My sincere most thanks for your dedicated support and encouragement.

Sincerely,
Syamal K. Poddar
STS-AIChE Chair

50 Years of AIChE Membership

Two STS Members Honored for Achieving 50 Years of AIChE Membership



Stephen Yeretsky displays his Certificate of Recognition for 50 Years of AIChE Membership. Shown with Steve are (from left) STS Human Resources Director Tom Rehm, STS Chair Syamal Poddar, and STS Chair-Elect David Rosenthal.

Stephen Yeretsky

Steve received his BSChE from MIT in 1959. Following graduation he joined the US Navy, entered Naval Officer's Candidate School, and retired from the Naval Reserve as a Lieutenant. Steve received his MSChE from the University of Tulsa in 1966. He is a Senior Member of AIChE.

Following Steve's active Naval Duty, he worked at Standard Magnesium from 1963 to 1965. After receiving his MSChE, he joined Monsanto, retiring in 2001. He then joined Quotient Engineering on a consulting basis. In 2005, he joined SNC-Lavalin where he remained until 2012. Steve is now employed on a consulting basis with IHS.

Significant highlights in Steve's career include:

- Process Director/Lead Process Engineer at SNC-Lavalin on acrylonitrile, ethanol, and refinery expansion projects
- Process Engineering Manager at Monsanto for project completions and operations technical support, on Texas and UK acrylonitrile projects
- Also at Monsanto, development and commercialization of a new palladium-based aromatic hydrotreater (this may have been the first such process)

Steve has one patent and was active as a member of the South Texas Section's Annual Technical Meeting Exhibits Committee. At MIT, he was a Member of the MIT AIChE Student Chapter. Steve served on the University of Tulsa's ChE Industrial Advisory Board from 1985 to about 2005.

Steve and wife Lynn are the proud parents of two sons and one daughter and are even prouder of their seven granddaughters and six grandsons. His volunteer activities are centered on his church. Steve's hobbies are woodworking, photography, and flying.

50 Years of AIChE Membership



James Strickland displays his Certificate of Recognition for 50 Years of AIChE Membership. Shown with Jim are (from left) STS Human Resources Director Tom Rehm, STS Chair Syamal Poddar, and STS Chair-Elect David Rosenthal.

James Strickland

Jim received his BS in 1966, and his MS in 1968, in chemical engineering at the Georgia Institute of Technology. He added an MBA from the University of Houston in 1977. Jim is a Senior Member of the AIChE and a registered professional engineer in Texas.

Jim is a Process Engineer with over 40 years experience in the Process and Project Engineering of Oil and Gas Production, and Natural Gas Processing facilities, both onshore and offshore.

Jim began his career in 1966 with Union Carbide in Houston. He left to work for Hudson Engineering during which time he received his MBA. He left Hudson Engineering to join Matthew Hall Engineering. In 1988, he joined what is now KBR. At KBR he became the Chief Technology Engineer for Gas Processing. In 2006 he joined Black & Veatch as Manager of Process Engineering in Houston. In 2009 he joined SGC Energia in Houston where his position was Chief Process Engineer. In 2010 he joined Burns & McDonnell as a Senior Engineer. He retired from them in 2015.

Significant projects in Jim's career include:

- Design of the topsides for 9 offshore platforms, 3 of which included expanders and fractionation
- Project Manager for the first Sulfreen Unit built in the United States
- Senior Consultant for a Syrian Gas Plant
- Subject Matter Expert for the Alaska Gasline Project
- Process Manager for Gas Research Institute project studies; prior to GRI merging with IGT in year-2000 to form the Gas Technology Institute

Jim has one patent and eight published papers.

He and wife Amelia have 2 children and 4 grandchildren. He enjoys fishing and hunting.

STS-AIChE 2016 Monthly Dinner Meeting Schedule

Date	Location	Meeting Details (Speaker/Company/Topic)
January 14	Brady's Landing	Paul Evans, SwRI <i>Initiatives for Applying Smart Manufacturing to the Continuous Processing Industries</i>
February 4	Brady's Landing	Burns & McDonnell <i>The Refinery 'RTR' Rule – Major Refinery Impacts and Targeted Solutions</i>
March 3	Brady's Landing	Walter Pinto, LyondellBasell <i>Excellence in Stationary Equipment Reliability</i>
April 7	Brady's Landing	Energy Forum Greg Stephanopoulos, AIChE President <i>The New AIChE</i>
May 5	Pelazzio	Tim Olsen, Emerson <i>The New World of Opportunity Crudes</i>
September 8	Pelazzio	Doug Kelly, KBR <i>Increasing Refinery Flexibility through Technology and Innovation</i>
October 6	Moody Gardens	SPTC Frank Souto, Honeywell <i>Industrial Cyber Securities</i>
November 3	Brady's Landing	TBD

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

The STS-AIChE Season Pass for the 2016 technical monthly dinner meetings is being offered for **\$95**. Please visit the [STS-AIChE](#) website to sign-up.

The STS-AIChE Season Pass offers the convenience of a single sign-up and single payment for all eight technical meetings in the 2016 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 (<http://www.aiche.org/sts>) once finalized.

Season Pass holders are recognized as patrons on the STS-AIChE web site 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.

Season Pass holders have a significant savings when comparing the on-site cost of the dinner meetings. They also save the hidden costs of multiple transactions and tracking the payments and reimbursements, if applicable.

STS-AICHe 2016 Season Pass

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 them know at the door 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 2016 Season Pass

2016 STS-AIChE Patrons

Name	Affiliation
Carol Schmidt	SGL Carbon Company
Dale Embry	ConocoPhillips
Erin Green Colaco	
Gary Gildert	Johnson Matthey
Gary Miller	Air Liquide
George Redd	S&B Engineers
George Vourazeris	Air Liquide Industrial U.S. LP
Gus Georgetown	Stress Engineering Services
Jack Chosnek	KnowledgeOne
John Middleton	WorleyParsons
Kelly Richardson	
Lawrence Chriswell	Keelson Company
Matthew Kolodney	TCEQ
Maximo Salazar	
Robert Andrew	Kiwis Edge LLC
Syamal Poddar	Poddar & Associates
Thomas Rehm	TERehm Consulting LLC
Travis Fixmer	Huntsman
Trevor Rice	Chemstations Inc.
Vic Edwards	VHE Technical Analysis
Wendy Reed	Chemstations Inc.
Yurika Díaz Bialowas	Chemstations Inc.
Jeff Melland	Melland Consulting LLC

Request for STS-AIChE Executive Board Nominations

BOARD DESCRIPTION/ OPEN POSITIONS

STS-AIChE is governed by a nine member Board of Directors. Board members serve two year terms, with the exception of the Chair. A Chair-Elect is nominated each year, serves as Chair the following year, and Past-Chair during the third year of the term. The other terms are staggered such that three of the positions (Secretary, Position 2, and Position 4) run from January 1st on even numbered years through December 31st of odd number years. Three of the positions (Treasurer, Position 1, and Position 3) run from January 1st on odd numbered years through December 31st of even number years.

In December, four board members' terms expire, and the board is seeking nominations. At this time, we are recruiting candidates to run for Chair-Elect, Treasurer, Position 1 (Continuing Education), and Position 3 (Communications). A Nominating Committee has been assigned the task of recruiting candidates and answering any questions you might have.

REQUIREMENTS FOR NOMINEES

Nominees should be members in good standing of AIChE and STS-AIChE with a desire to actively serve our Chemical Engineering community. If elected you will be expected to represent the organization and attend monthly board meetings. Previous board service is desirable, but not necessary.

CONTACT INFORMATION

Nominees can learn more about what it takes to be an Executive Board Member by contacting any of the current board members. Nominees are also encouraged to attend the upcoming Executive Committee Board Meetings, usually held at 6pm the Thursday following the monthly dinner meeting. To learn more and to nominate yourself or someone else please contact Kelly Richardson at sts-pastchair@aiche.org or by telephone at (832) 954-6055. The deadline for the acceptance of nominations is Thursday, September 15, 2016.

STS Volunteers Help Out at 2016 OTC

STS-AIChE OTC Committee Volunteers Again Successful at 2016 OTC

The 2016 Offshore Technology Conference was a success for South Texas Section which was credited having a total of 28 South Texas Section - AIChE members plus a few AIChE non-members serve as OTC Volunteers. *(STS probably had more volunteers but these failed to check the "AIChE" box on the OTC Volunteer Registration form.)* These 28 volunteers provided a portion of the staffing for the Arrangements, Registration, and Student Tours Committees. For giving of their time to help out at the OTC, each volunteer received a complimentary OTC registration for themselves and their spouses and a reserved area parking pass with in/out privileges with both the registration and parking pass good for the entire OTC.

As STS-AIChE had enough volunteers, STS received an honorarium of \$1,000 from the OTC. It is hoped that STS will be able to repeat this feat in future years. The funds are to be used to provide handouts and career guidance materials to the High School Students and Teachers taking part in the OTC Student Tours as well as the Middle, Junior High, and High School Teachers participating in the OTC Teacher Workshop (NEED/STEM).

The South Texas Section -- AIChE wishes to recognize and thank the following STS Volunteers who served on one or more of the 2016 OTC Arrangements, Registration, and Student Tours Committees:

Ghada Alkhars	Cecilia Burns
Rita DeClaris	Yurika Diaz Bialowas
Chaitanya Gottimukkala	Erin Green Colaco
John Hottovy	Dannis Jen
Carlton Jones	Ric Massie
Debra McCall	James Menn
Tom Menn	Robert Naeger
Israel Perez	Syamal Poddar
Gary Reeves	Mirelle Rosca
Carlos Salamanca	Tushar Shah
Tencha Shoemaker	Mark Siddoway
David Silarski	Mark Smith
Roger Trandell	Keith Wang
Hilda Woghiren	Marc Young

Thanks to all these volunteers for volunteering their time, talents, and efforts to the 2016 Offshore Technology Conference on behalf of the South Texas Section – AIChE.

Upcoming Events Information

Mentor For An Evening

The “Mentor for an Evening” program started at our April Dinner meeting. It was well received with over 20 members volunteering to be a Mentor for an Evening. We will continue to promote this initiative at all Dinner meetings. As a refresher for those who did not attend.

The vision of AIChE is to be “The Lifetime Center for professional & personal growth and security of chemical engineers.” Some of our South Texas Section members are just starting out in their careers and are starting to engage at the earliest stage in this lifetime center. We are fortunate to have an active Young Professionals group and it is the local section’s job to support them as they are our future. The AIChE STS is trialing a new program at our dinner meetings entitled “Mentor for an Evening.”

The purpose of “Mentor for an Evening” is to provide an opportunity for our more experienced members to provide assistance to our Young Professionals and those with a few more years of experience advice on career growth, job situations, and managing “up (bosses)” and “down (peers and direct reports).” Hopefully we can provide more value to those attending our dinner meetings. Here is how it will work.

Individuals who have registered and walk-ups will be asked if they would volunteer to be a “Mentor for an Evening”. It is totally voluntary. They will be given an information card describing the program and rules. They will get a sticker for their name badge indicating their participation.

Young professionals will also get a sticker on their name badge and the same information card. As they “mingle” during the evening or sit at a dinner table they can choose to engage with an indicated mentor.

The rules are simple. No discussion on hiring, salaries, performance issues, confidential information, and names of those involved or companies in any situation. The discussions should focus on career growth, project management advice, technical guidance and handling of work situations.

We hope it will be viewed as a valued experience for those who are looking for some third-party advice. I will report to you in future newsletters on its progress.

David Rosenthal
Chair Elect, STS-AIChE

Upcoming Events Information

8th Southwest Process Technology Conference (SPTC)

October 6-7, 2016

[Moody Gardens Hotel and Convention Center](#)

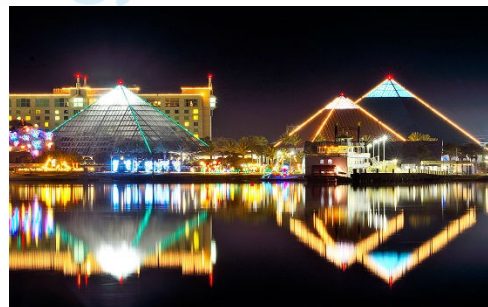
Registration is now open for the 8th Southwest Process Technology Conference. Go to <http://www.aiche.org/conferences/southwest-process-technology-conference/2016/registration-info> to sign up!

SPTC is an annual highlight for STS and the chemical engineering community of Greater Houston and the Gulf Coast. The conference dates this year are Thursday/Friday October 6 & 7, 2016, and as usual the venue is Moody Gardens in Galveston.

SPTC offers **technical sessions** to share technical knowledge and experience, a **career fair** for those looking for new opportunities, an extensive **exhibition** showcasing major technology providers, and **networking** opportunities for the 400+ chemical engineers and students that attend.

Our technical sessions include:

- Energy Efficiency
- Catalysis & Reaction Engineering
- Process Control & Optimization
- Process Safety
- Thermodynamics & Simulation
- Distillation & Separation
- Chemical Process Technology
- Petroleum Refining Technology



This year we have two keynote addresses:

Thursday: Dr. Ramanan Krishnamoorti, Chief Energy Officer, Interim Vice Chancellor for Research and Technology Transfer for the UH System and Interim Vice President for Research and Technology Transfer for UH, will speak on "The Future of Energy."

Friday: Andy Boyd, Scheduled Contributor, Houston Public Media's The Engines of Our Ingenuity, will be delivering a talk titled, "In Search of the Limits of Human Creativity."

There will also be an Ethics presentation from the Texas Board of Professional Engineers (PEs – get your CEP credits!), and a Young Professionals Workshop ("Process Simulator Basics – Let's Build a Model!")

Yet another highlight is the STS the October STS Dinner Meeting, which will be held on the Thursday evening.

For more details about the conference, visit: www.aiche.org/sptc. You can also contact: sptc16@aiche.org.

CALL FOR 2016 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(s) they volunteer. If you are interested, contact David Silarski at sts-membership@aiche.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.

For more information about the conference, use the following link: <http://www.aiche.org/sptc>

University of Houston OChEGS 31st Annual Symposium



On behalf of the Organization of Chemical Engineering Graduate Students (OChEGS) at the University of Houston, we would like to welcome you to our 31st Annual Symposium. The symposium provides an exciting opportunity for the department's graduate students to showcase their research – research that includes reaction engineering and catalysis, materials engineering, transport and separations, and biomolecular engineering. Our goal is to promote communication and collaboration between the industry and UH chemical engineering graduate students.

This year's symposium will take place from 8:00AM to 4:30PM on Friday, September 23, 2016 in the University's Student Center Houston Ballroom. The agenda includes oral presentations, a poster session, and a keynote lecture by Dr. Tracy Davis from Chevron Energy Technology Company. A tentative schedule of the event is provided. The event will be held on the main campus in the Student Center (a map is provided). Registration and breakfast will begin around 8:00AM. Refreshments and lunch will be provided.

Please indicate whether you plan to attend this year's event by [completing the attached registration form at this link](#) by September 16, 2016. If there are any issues with the link, you can use the url here: <http://goo.gl/forms/MbuklytDN2Wh44vA2> Please feel free to invite any colleagues or friends who may be interested in attending the symposium.

The OChEGS Symposium is supported entirely through fundraising efforts of the graduate students. Thirty years of success with the symposium has been largely due to the participation and generous financial support from various companies and guests. Last year, we were able to present travel awards to our fellow students entirely funded by the gifts from the incredibly generous donors. If you or your organization would like to make a donation, please indicate this in the donation form on the registration link above! If you cannot attend, but would still like to donate, the attached donation letter has a link through which you can make the donation. All contributions, irrespective of their value, are greatly appreciated.

Thank you for your continued support of the Chemical and Biomolecular Engineering department at the University of Houston. We hope to see you at the OChEGS Symposium in September!

Kind regards,

The OChEGS Team

(580)-458-9027

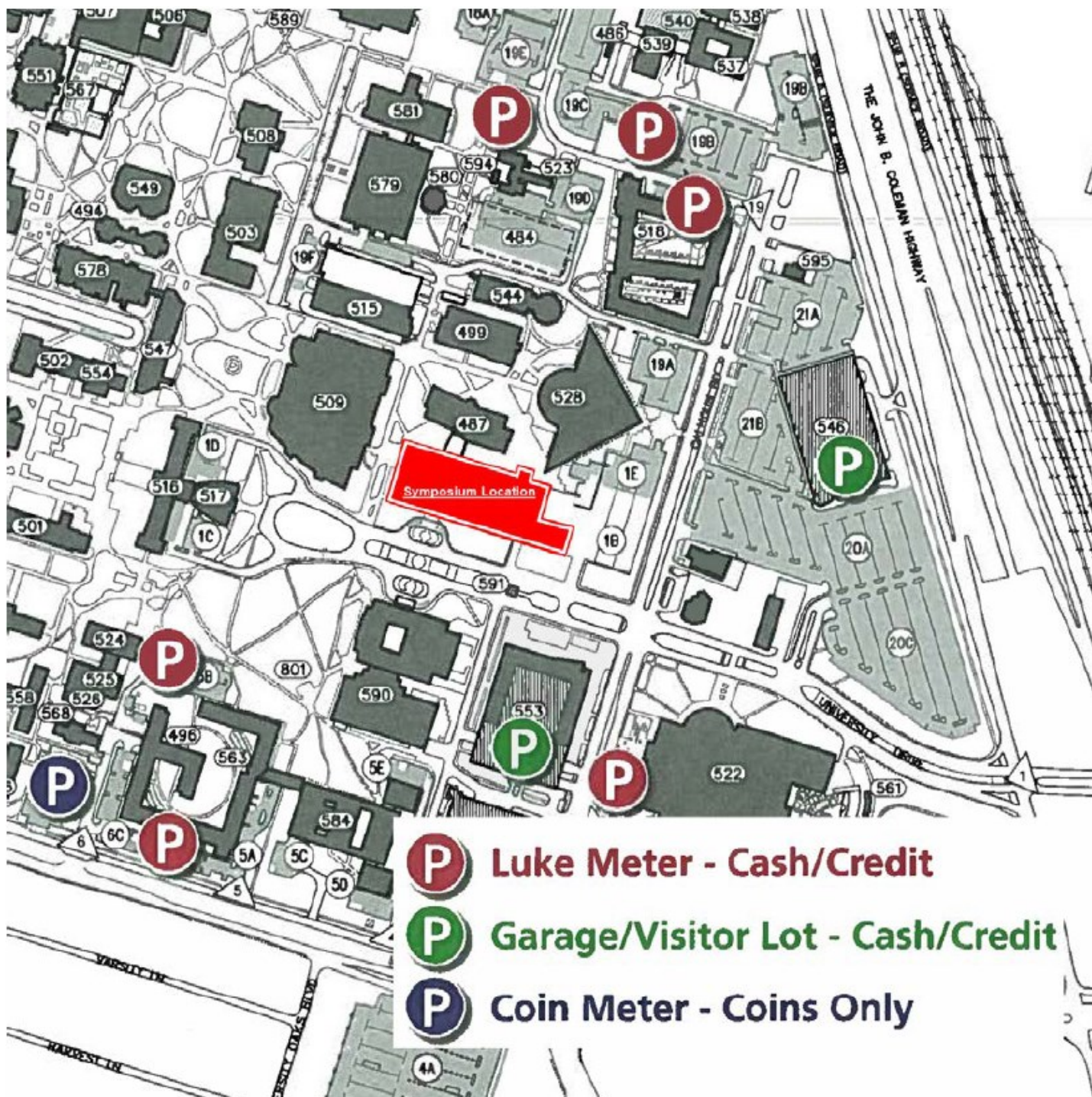
uh.ochegs@gmail.com

<http://ochegs.chee.uh.edu/>

University of Houston OChEGS 31st Annual Symposium

Directions

This map shows both the visitor parking lots and the University Center (building where the symposium will be held). The symposium will be on the second floor in the Houston Ballroom (signs will be posted to direct guests to the room).



University of Houston OChEGS 31st Annual Symposium**31st Annual OChEGS Symposium**

University of Houston

September 23, 2016

Tentative Schedule of Events

8:30 – 8:40 a.m.	Welcome Message (President of OChEGS and Department Chair)
8:40 – 9:50 a.m.	Oral Session I
9:50 – 10:10 a.m.	Coffee Break
10:10 – 11:00 a.m.	Oral Session II
11:00 – 12:00 p.m.	Keynote Speaker (Dr. Tracy Davis, Chevron)
12:50 – 2:00 p.m.	Lunch Break
2:00 – 3:10 p.m.	Poster Session
3:10 – 3:30 p.m.	Coffee break
3:00 – 3:50 p.m.	Oral Session III
3:50 – 4:30 p.m.	Presentation of Awards / Concluding Remarks

Lab Tours – During lunch, volunteers will be available to assist with lab tours.

Note: A more detailed schedule will be sent closer to the event date.

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.



Planning meeting at Olive Garden



YP at Chuy's for happy hour.
The happiest hour is
5 o'clock...somewhere.

K12 Volunteer Opportunities

AICHE and STS are working to start up K12 outreach programs. We are encouraging STS members to attend various local outreach events and report back to STS and AIChE on their experience. We are encouraging STS members to report back to Matt Kolodney (mkolodne@tceq.state.tx.us) with one-page descriptions of their K12 outreach experiences, what worked well and what didn't. These will be reviewed locally and passed on to the AIChE National K12 program. Some local K12 opportunities are listed below.

HUNSTEM web site: <http://hunstem.uhd.edu/> Already has a wide range of educational resources for use by interested teachers and volunteers. AIChE (national) is encouraging cooperation with organizations such as HUNSTEM.

IEEE http://www.ieee-houston.org/Committees/SAC/Brochure_IEEE%20Houston_7_Oct_2007.pdf This ongoing Houston Area program assists local schools with teacher training demonstrations.

SEFH <http://hunstem.uhd.edu/SEFH/> Science and Engineering Fair of Houston

Houston Museum of Natural Science (<http://www.hmns.org>) has ongoing outreach programs and could use more volunteers.

The Houston Children's Museum (<http://www.cmhouston.org>) also has outreach programs.

For more information, contact Matt Kolodney (713-471-8956) or mkolodne@tceq.state.tx.us.

PE PDH Hours Qualified!!

The Texas Board of Professional Engineers (TBPE) will allow up to 3 continuing education hours per year for K-12 outreach activities, but only under certain circumstances. The STS K-12 coordinator checked this with the TBPE staff in Austin. STS-AIChE sponsors K-12 outreach presentations to high school classes (career day for example), science fair judging, explaining engineering careers to teachers (who will pass the information on to students), sponsored tours for students and teachers at OTC, and one-on-one counseling of students. TBPE prefers a certificate from the sponsoring organization (such as STS) explaining what was done, stating the number of PDH hours, and certifying that the engineer actually participated. If you participate in an STS-AIChE K-12 outreach event and want PE PDH credit, the STS will provide the certificate.

Call for Volunteers Official Greeters

The STS is looking for two volunteer official greeters, one a young professional and one chronologically mature. Their goal is to greet first-time attendees (or members who haven't attended for a while) of monthly meetings, to help them feel comfortable and welcome, tell them a little about the STS and the meeting, and to introduce them, as needed, to our regular attendees. We are looking for volunteers who:

- Frequently attend monthly meetings (arriving by would help)
- Get along with most people
- Are reasonably acquainted with the STS-AIChE and its members, though we can help with that will briefly point out a potential benefit or two of active involvement in STS-AIChE

Our monthly meetings occur on a Thursday after work, and may already have put in a 40+-hour week. An ideal volunteer would enjoy dealing with new attendees and would become energized rather than tired out by dealing with people they don't already know well.

More Volunteer Opportunities

In STS-AIChE, we have an opening for a K-12 volunteer. Instead of you having to reinvent the wheel, we can help you with any of the following:

- Advice on how to get started productively;
- The opportunity to attend K-12 events of other organizations, in order to learn how to conduct an AIChE K-12 outreach event;
- Networking opportunities to get contacts in local school systems;
- Assistance in recruiting STS volunteers;
- Conducting intersociety activities to help your programs reach critical mass;.
- Help in conceiving and developing a K-12 outreach program suitable for STS-AIChE to lead.
- Opportunities to develop and practice your interpersonal skills and to learn and practice leadership

STS Membership Committee Members seeking members who would be interested in some or all of the following:

- Identify the varied opportunities for STS volunteers
- Greet first-time attendees—help them feel welcome introduce them to other STS members
- Contact them periodically—encourage them to come back
- Encourage them to gradually get involved in STS
- Gradually get to know the new members first-timers and their interests
- Suggest STS volunteer activities that interest them & help them grow
- Encourage them to practice their leadership and their project management skills in service to the STS
- A great opportunity to develop your people skills & leadership skills by helping develop those capabilities in the STS and its members

Volunteer opportunity helping represent STS-AIChE at ECH (Engineering, Science, and Technology Council of Houston): Seeking a volunteer who would like to network with and learn from members of other professional societies, develop leadership skills, and help provide broader volunteer opportunities for STS members. Options include:

- Work with ECH councilors from other local engineering and science, societies, as well as officers of the other member societies;
- Learn how they run their organizations, and bring some of their ideas back to STS-AIChE
- Participate in intersociety workshops on technical issues that affect the Greater Houston Area
- Get involved in the organization of the regional science fair;
- If you are interested in a particular type of volunteer activity, we'll help you organize intersociety activities in that area
- If you're a YP, we can help you organize intersociety YP events that STS-AIChE doesn't have the critical mass to conduct on our own;
- Your learnings from ECH could be very helpful to you as a future manager at work or as a future leader in STS and AIChE

If you are interested, or would like further information, contact: Matt Kolodney, STS Volunteer Recruiter at (713-471-8956) or matthew.kolodney@tceq.state.tx.us

South Texas Section to Initiate Company Liaison Program

The South Texas Section (STS) of AIChE is implementing a Company Liaison Program. Kelly Richardson (2016 STS-AIChE Past Chair) is heading up the initiative.

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

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.

The intent is for the Past Chair to maintain the program on an ongoing basis.

For more information, or to sign up as your company's STS-AIChE liaison, contact **Kelly Richardson** at sts-pastchair@aiche.org.



South Texas Section AIChE

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Awards: [Tom Menn](#)
Membership: [David Silarski](#)
Webmaster: [Phil Purpich](#)
Young Professionals: [Trevor Rice](#)

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 2016

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

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

— SUBSCRIBE/UNSUBSCRIBE INFORMATION —

Our newsletter subscription list is by invitation only.

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

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

— MAINTAIN YOUR CONTACT INFORMATION WITH STS —

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

Contact the AIChE for PERMANENT ADDRESS CORRECTIONS:



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



1-800-AIChemE (1-800-242-4363)



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The South Texan Newsletter Crew

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

Contact us at sts-newsletter@aiche.org with comments, questions, suggestions, and ideas for next month.



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