

# The South Texan



Thursday, November 3, 2016

Monthly Meeting @ Brady's Landing ([8505 Cypress St, Houston, TX 77012](http://www.bradyslanding.com))

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

## November Dinner Meeting

Dinner Speaker: Joe Powell, Ph.D., Shell

Title: *Sustaining and Optimizing Your Career: Let AIChE Help!*

**Abstract:** Once again we see that the future continues to be unpredictable! Despite the current economic downturn, technology transformations in the energy and chemicals sectors continue at a rapid pace to address climate change and the environment, and realize opportunities provided by shale gas and tight oil, lower cost solar and wind power, and enhanced capabilities in biological and materials sciences. AIChE can provide key opportunities for learning and networking to sustain your career, and your career as a chemical engineer offers many opportunities for you to contribute to important societal needs, while also earning a living. This presentation will give perspectives on career management from early career through the critical mid-career phase, and will end with an open discussion of how AIChE can better help serve your needs for career continuity and service.

**Bio:** Joe Powell (Joseph B. Powell, Ph.D.) is a Fellow of the American Institute of Chemical Engineers, and has been Shell's Chief Scientist - Chemical Engineering since 2006. In 1988 he joined the Process Development Department at Shell Technology Center Houston, where he has led R&D programs in new chemical processes, biofuels, and enhanced oil recovery, in addition to a Hunters innovation group. Dr. Powell has been granted more than seventy patents with an estimated 50 applications pending, and has received several industry awards including the A. D. Little Award for Chemical Engineering Innovation (AIChE 1998), R&D100 Award (R&D Magazine) and American Chemical Society Team Innovation Award (2000), U. Wisconsin College of Engineering Distinguished Achievement Award (2009), AIChE Process Development Division Service Award (2012). He is co-editor and chapter author for the book *Sustainable Development in the Process Industries: Cases and Impact*, John Wiley & Sons, New York (2010), and has served AIChE in various roles including Process Development Division Programming chair, Spring Meeting Program Chair (2015) and Co-Chair (2012), Chemical Technology Operating Council, Executive Board Programming Committee, Pilot Plants 12B Area Chair, Shale Gas and Sustainability Topical Chairs. Joe currently serves on the U.S. National Academy Board on Chemical Sciences and Technology, editorial committee of Annual Review of Chemical and Biological Engineering, and was elected to the Board of Directors of AIChE (2016). He obtained a Ph.D. in Chemical Engineering from the Univ. of Wisconsin-Madison (1984), following a B.S. in Chemical Engineering from the Univ. of Virginia (1978).



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Gold Sponsor



Silver Sponsor

## Workshops

### Process Safety Management (PSM) Workshop


**Speaker: Jim Thompson, CPSA**  
Manager, Process Safety Management  
Organizational Performance Assurance Center  
ABS Consulting

#### ***PSM/RMP Auditing – Compliance, Best Practices, and the Future***

**Abstract:** Do you want to know more about (1) why good PSM/RMP auditing is important, (2) what you can be cited for by OSHA/EPA, (3) how to perform good audits, and/or (4) possible future requirements? Then this presentation is for you.

This presentation will discuss (1) the reasons for PSM/RMP auditing, (2) current regulatory requirements and interpretations, (3) keys for good audits (including audit teams, process, protocols, reports, and recommendation implementation), and (4) proposed additional EPA RMP auditing requirements.

**Biography:** James R. Thompson, CPSA is the PSM manager in ABS Consulting's Houston office. Mr. Thompson has more than 40 years of industrial experience in operations and PSM with DuPont, INVISTA, and ABS Consulting. He has been recognized as a Certified Process Safety Auditor (CPSA) by the Board of Environmental, Health & Safety Auditor Certifications (BEAC). He has participated (usually as the leader) in more than 100 PSM audits at a variety of facilities and developed PSM audit protocols for major chemical companies. Mr. Thompson holds a B.S. degree in chemical engineering from the University of Texas at Austin.



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

**NOTE:** Please bring your receipt. You have until 4PM CST on November 2, 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— Brady's Landing



This month's meeting will be held at Brady's Landing ([8505 Cypress St, Houston, TX 77012](#)).

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

## November 2016 STS-AIChE Chair's Letter – Syamal Poddar

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

Let me start with giving you an update on the recently completed conference, Southwest Process Technology Conference ([SPTC](#)). I am happy to mention that in spite of the downturn of the industry we serve, this co-sponsored conference by our section STS and the AIChE was a great success. Just like in the past, this two day conference (October 6<sup>th</sup> and 7<sup>th</sup>) was held at Moody Gardens in Galveston. Our active volunteers, working hand in hand with representatives from the AIChE headquarters, contributed to the overall success of the conference. As before, the conference was a platform where over three hundred practicing chemical engineers and students participated in technical sessions and listened to experts offering updates and industry solutions in process technologies. In this year's conference, besides technical sessions, two keynote speeches, one on Thursday (October 6<sup>th</sup>) and the other one on Friday (October 7<sup>th</sup>) were scheduled. However, Thursday's keynote speaker, Dr. Ramanan Krishnamoorti, Interim Vice Chancellor for Research and Technology



Transfer and Chief Energy Officer for the University of Houston was out of country due to a sudden change of his schedule. This was filled in by James Turner, Executive Director – E&C Process Technology of Fluor who made a presentation on "*Capital Efficiency in the Downstream Market*." On Friday, Andy Boyd, a well-known contributor to Houston Public Media in "*The Engines of Our Ingenuity*," delivered an interesting talk titled, "*In Search of the Limits of Human Creativity*." In addition to these, the conference also featured several great exhibitors and service providers to our industries, and a career fair.

Besides the above summary of the SPTC conference, the STS October dinner meeting was held at the same venue on Thursday, October 6<sup>th</sup>. The invited speaker at the dinner meeting was Frank Souto of Honeywell. His presentation on a timely and relevant subject was titled "*Industrial Cyber Security*." The presentation was thought-provoking and was well received by the attendees as demonstrated during Q&A by many deliberations between the speaker and the audience.

Let me switch my focus on our immediate planned event. I am pleased to inform you that our November dinner meeting at Brady's Landing restaurant, on Thursday, November 3<sup>rd</sup> is shaping up quite nicely. Dr. Joe Powel, Chief Scientist - Chemical Engineering of Shell will be our invited speaker. His presentation topic will be "*Sustaining and Optimizing Your Career: Let AIChE Help!*" Please see the Newsletter and STS Website to get more information on the speaker and the abstract of his presentation. Besides this, before the dinner meeting there will be PSM workshop by Jim Thompson of ABS Consulting's Houston office. The details are available on our [website](#). We look forward to seeing you at Brady's Landing where you will join us honoring a few deserving volunteers with special awards.

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## November 2016 STS-AIChE Chair's Letter – Syamal Poddar

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I am pleased to inform you that the November dinner meeting is supported by two sponsorships. These are: Gold Sponsorship by Shell and Silver Sponsorship by EPI Engineering.

In addition, there are many continuing 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.

Please read about many activities that our YP group has recently accomplished and what they are planning for the future. Stay tuned to know more about a pleasant outing in December.

As in previous years, STS–AIChE Election process just started and the announcement with a list of candidates for all open slots are now posted on our [website](#). As in the past, you shall be able to vote electronically by following the steps described on the [website](#) as well as by paper ballots which will be available at Brady's Landing on November 3<sup>rd</sup>. The election process will be open till November 22, 2016. Do not hesitate to contact Kelly Richardson ([sts-pastchair@aiche.org](mailto:sts-pastchair@aiche.org)), our past Chair, for STS's election related questions and comments.

Real progress and the future sustainability of our organization very much depend on how assertively we develop future effective leaders. I encourage all our active volunteers to reach out to our young professionals to actively listen to them to understand and learn from them, and most importantly, to welcome them to get them involved in our various activities. We need to actively engage ourselves to build a pool of effective future leaders by being truly inclusive and incorporating diversity.

Our dedicated volunteers are continuously striving to deliver the best to our professional and social community. While I encourage all of you to be our constructive critics of what and how we do various activities, I invite you to express your "THANKS" to our deserving volunteers when you meet them. I strongly believe that only through your constructive feedback and effective cooperation can we continue to make real progress.

Let me sign off by expressing my sincere thanks for your continued support and encouragement.

Sincerely,  
**Syamal K. Poddar**  
**STS-AIChE Chair**



## Election Voting Instructions – 2017 Executive Committee

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The South Texas Section- American Institute of Chemical Engineers (STS-AIChE) needs your vote to determine who will be on the Executive Committee for 2017.

To be eligible to vote, you must be an active member and have paid your AIChE and STS-AIChE dues for 2016. Please have your membership number available to complete the ballot. Your membership number will serve as your personal identification number. You may obtain your member information by accessing your member account on the AIChE website ([aiche.org](http://aiche.org)) or you may call the AIChE Customer Service toll-free at (800) 242 - 4363. Your membership number was also included in a recent e-mail sent by AIChE to renew your 2017 membership.

To enable members to make informed selections for the STS-AIChE election, candidate profiles are provided on the [website](#) and below. You may cast your ballot electronically by following the link supplied in the e-mail sent to you on Wednesday, October 16, 2016. Paper ballots will also be available at the November Monthly Dinner Meeting. You may vote a maximum of once for this year's election (either electronically or by paper ballot).

To be counted valid, ballots must be received by **Tuesday, November 22, 2016**. Thank you for your participation!

If you need additional assistance or have any questions regarding the election or voting process, please contact Kelly Richardson by email [sts-pastchair@aiche.org](mailto:sts-pastchair@aiche.org) or call (832) 954-6055. The STS-AIChE wants your vote to be counted!

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## CANDIDATES FOR 2017 EXECUTIVE COMMITTEE

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**Nominated as Chair-Elect for 2017 (and to succeed to the Chair in 2018 and Past Chair in 2019)**

### **Carlos Salamanca**



Carlos is the current STS-AIChE Treasurer for 2015 and 2016. He has been an active member of the STS AIChE Young Professionals Board serving as Secretary, Treasurer, Vice-Chair and Chair. He also has represented AIChE with the Offshore Technology Conference (OTC) events including OTC Houston, Arctic Technology Conference, OTC Brasil, and OTC Asia in different roles. Carlos is also active with Toastmasters, Society of Petroleum Engineers (SPE), and the Project Management Institute (PMI) Houston Chapter.

He has held several positions through different oil and gas projects. Carlos has been working with oil companies in Latin America with focus on Brazil, Colombia and Mexico.

Carlos earned a BS in Chemical Engineering from the Universidad Nacional de Colombia, and received an MBA from the Bauer College of Business at the University of Houston. Carlos holds a PMP (Project Management Professional) certificate from the Project Management Institute, and an Engineer-In-Training (EIT) certificate from the Texas Board of Professional Engineers.

### **Megan Weeks**



Megan Weeks is a Business Development Associate at Bechtel Hydrocarbon Technology Solutions, the technology and licensing arm of Bechtel, since March 2016. Prior to this role, she worked as a Process Engineer at Bechtel on Chevron's Offshore revamp projects. Prior to joining Bechtel in 2012, Megan worked as a Process Engineer at Terrabon, a biofuels start-up here in Houston and College Station, Texas.

Megan has been an active member and frequent volunteer with the South Texas Section of the American Institute of Chemical Engineers since graduating with a B.S. in Chemical Engineering from Rice University in 2010. She has also served in leadership positions in both the Bechtel Toastmasters group as well as Bechtel's New Hire organization NextGen.

## CANDIDATES FOR 2017 EXECUTIVE COMMITTEE

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### Nominated as Treasurer for 2017/2018

#### **Swarup Kumar Bade**



My name is Swarup Kumar Bade. I am an "IIT hawk" with a masters degree in chemical engineering from IIT, Chicago. Used to be a Bears fan, but moved on to Texans as it's been more than nine years since I moved to Houston. I am a Licensed Professional Engineer (P.E.) working as a Process Safety consultant for Lloyd's Register. I have been registering for Chevron marathon and BP MS-150 for the past few years (Don't ask me how many times I finished the marathon though). Love being outdoors and volunteering for AIChE (Current Treasurer for STS).

#### **Yurika Díaz Bialowas**



Yurika Díaz Bialowas is a Senior Technical Support Engineer at Chemstations Inc, where she troubleshoots simulations using CHEMCAD Suite software, provides support to clients' needs regarding engineering principals, process simulation, heat transfer, thermodynamics, installation, and licensing. Yurika earned her BS in Chemical Engineering from the University of Calgary in Calgary, Alberta Canada. She has been an active member of AIChE since 2009.



## CANDIDATES FOR 2017 EXECUTIVE COMMITTEE

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### Nominated as Position 1 (Continuing Education) for 2017/2018

#### Shubharthi Barua



I have been working as a Process Safety Engineer with the Chicago Bridge & Iron Company (CB&I) since September 2014, where I perform different process safety studies and provide input to the process engineering design for LNG and petrochemicals projects. Previously, I worked for the Fluor Corporation as a Process/Specialty Engineer where I worked on different challenging projects across a variety of oil and gas industries. I obtained M.S. in Safety Engineering from the Texas A&M University in 2012 and B.Sc. in Chemical Engineering from the Bangladesh University of Engineering & Technology in 2009. During graduate studies, I worked on developing dynamic risk assessment technique using the Bayesian network (MS Thesis) and during undergraduate studies, I worked on developing a technique for detecting plant-wide oscillations (BSc Thesis).

I was involved in different leadership activities since high school. I represented Bangladesh as a youth delegate in the National Youth Festival 2007 in India and hold executive positions in my high school and undergraduate university debating clubs. I have been involved with the STS-AIChE since 2014 as a Newsletter Editor. I would like to serve the STS-AIChE in the position of Executive Committee Position 1 (Continuing Education). I am confident that my job experience, leadership and communication skills would provide me advantages to serve STS-AIChE in this position.

#### Nick Gorzynski



Nick was born and raised in Buffalo, New York and graduated from the University of Buffalo with his BS of Chemical Engineering in 2007. After graduation he took a field engineer position with Schlumberger in the Permian Basin working in the well construction and stimulation groups. He then moved to Pennsylvania, and later Houston, to work at DNV GL where he held several positions including client support engineer, business development manager, and regional sales manager for a variety of software products. Currently Nick is working at Virtual Materials Group as a Business Development Engineer responsible for client support, training, sales, and account management. Outside of work Nick enjoys traveling with his wife and two beagles, when possible. Of course he is still an avid Buffalo Bills and Sabres supporter as well.

#### Sanjay Sharma



Sanjay Sharma is a Senior Principal Consultant with Honeywell. He has over 35 years of experience in all aspects of Real-time optimization and Advanced Process Control. He has been with Honeywell for over 26 years. Prior to Honeywell, Sanjay worked for Shell Oil USA for 8 years. Currently, Sanjay is a member of the Advanced Process Control and Real-time Optimization technical and marketing support team at Honeywell.

Sanjay has been an active member of AIChE for over 27 years. Sanjay serves on the AIChE's Ethylene Producers Conference's Process Control subcommittee. Sanjay is author of over 10 technical papers and holds 2 patents.

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## CANDIDATES FOR 2017 EXECUTIVE COMMITTEE

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### Nominated as Position 3 (Communications) for 2017/2018

#### Kevin Allen



My name is Kevin Allen. I graduated in May 2015 from the University of Texas at Austin with a B.S. in Chemical Engineering. While at the University of Texas I worked as an undergraduate research assistant at the J.J. Pickle Research Campus for Dr. Eldridge. I worked on research projects involving divided wall columns and reactive distillation. I am currently looking for employment in chemical engineering. My technical interests include controls, process engineering, separations, and numerical methods. Outside of my job search, I enjoy camping, hiking, tennis, trying different craft beers, and hanging out with friends. Currently, I am the photographer for the Young Professionals meetings and I am seeking the position of Communications Officer for the South Texas Section.

#### Anthony Do



Anthony Do graduated in 2015 from Lamar University with a B.S. in Chemical Engineering. In undergraduate study he worked on projects involving production of dimethyl ether, binary distillation, and separation of air into oxygen, nitrogen, and argon. As a student he was a part of Sigma Phi Delta and the Honor Society of Chemical Engineering. He joined AIChE as a student in 2012. He continues to be an active in AIChE, as a Young Professional member of the South Texas Section.

Anthony is fluent in both English and Vietnamese. In his spare time he has served as a volunteer for both the Houston Food Bank and the Interfaith Ministries for Greater Houston. He looks forward to continue serving as a volunteer while developing Communications for the South Texas Section.

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## STS-AIChE Annual Awards

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# South Texas Section – AIChE Annual Awards Announced

The Thursday, October 6, South Texas Section – AIChE Monthly Dinner Meeting at the Moody Gardens Hotel in Galveston was the venue for announcing the Annual Awards of the South Texas Section – AIChE. One 2016 Award and five (5) 2015 Annual Awards were presented.

## David Stojan Named Valued Friend of STS - AIChE



David Stojan (*center*) displays his Valued Friend of the South Texas Section – AIChE Plaque. Also pictured are 2016 STS – AIChE Chair Syamal Poddar (*left*) and AIChE Treasurer Dennis Griffith (*right*).

The South Texas Section -- AIChE recognized Mr. David Stojan, a non-member, who has contributed to the production of STS Monthly Dinner Meetings over the past year and has helped haul the OTC Goodie Bags to Reliant Center. In recognition of the contributions of his time and talents, the South Texas Section – AIChE Executive Committee recognized Mr. David W. Stojan as a Valued Friend of The South Texas Section – AIChE for 2016.



## STS-AIChE Annual Awards

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### STS - AIChE 2015 Special Service Award



Vic Edwards (*center*) receives his 2015 STS – AIChE Special Service Award from 2016 STS – AIChE Chair Syamal Poddar (*right*). AIChE Treasurer Dennis Griffith is at the left.

Dr. Victor Edwards was recognized for his efforts to see that South Texas Section Members receive recognition as Fellows of AIChE with a 2015 South Texas Section Special Service Award. There are a number of STS - AIChE Members who owe their Fellow pins to Vic.

## STS-AIChE Annual Awards

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### 2015 STS - AIChE Best Papers Judging Committee

The South Texas Section – AIChE Best Papers competition received six (6) Applied Papers and three (3) Fundamental Papers. The Best Papers Judging Committee was chaired by Matt Christensen and Ryan Stephens (*both of Shell*) and was composed of the following Members (*all Shell employees*).

Oscar Aguilar  
Flavia Cassiola  
Priyanka Desai  
Walter Farmayan  
Raymond French  
Amrit Kalra  
Anand Nilekar  
Ishan Rao  
Vishwanath Subramaniam  
Sumedh Warudkar

Jack Buehler  
Matt Christensen  
Erik Engwall  
Jeffrey Fedenko  
Shekar Jain  
Abhishek Kar  
Nihar Phalak  
Ryan Stephens  
Vinod Venkatakrishnan

The South Texas Section - AIChE wishes to extend the STS - AIChE's deepest appreciation and thanks for contributing your time and talents.

Four (4) Fundamental Papers were nominated while there were six (6) papers nominated in the Applied Paper category.

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## STS-AIChE Annual Awards

### 2015 STS - AIChE Best Applier Paper Award



Ken Cox (2<sup>nd</sup> from left) and Walter Chapman (3<sup>rd</sup> from left) display their 2015 STS – AIChE Best Applied Paper Awards. Also in the photo are AIChE Treasurer Dennis Griffith (left) and 2016 STS – AIChE Chair Syamal Poddar (right).

The 2015 South Texas Section – AIChE's Best Applied Paper was titled *"High Pressure Measurements and Molecular Modeling of the Water Content of Acid Gas Containing Mixtures"* by Wael A. Fouad, Matt Yarrison, Kyoo Y. Song, Kenneth R. Cox, and Walter G. Chapman. This paper was published in the **AIChE Journal**, September 2015, Vol. 61, No. 9, pp. 3038 – 3052.



## STS-AIChE Annual Awards

### 2015 STS - AIChE Best Fundamental Paper Award



Flanked by 2016 STS Chair Syamal Poddar (*left*) and AIChE Treasurer Dennis Griffith (*right*) are from left to right: Amin Haghmoradi, Walter G. Chapman, Sumnesh Gupta, and Le Wang who are displaying their 2015 STS – AIChE Best Fundamental Paper Awards.

The 2015 South Texas Section – AIChE's Best Fundamental Paper was titled "*Understanding the Thermodynamics of Hydrogen Bonding in Alcohol-Containing Mixtures: Self Association*" by Wael A. Fouad, Le Wang, Amin Haghmoradi, Sumnesh K. Gupta, and Walter G. Chapman. This paper was published in the ***The Journal of Physical Chemistry B***, 2015, 119 (44), pp 14086–14101.

## STS-AIChE Annual Awards

### 2015 STS - AIChE Outstanding Young Professional Award



Phillip Purpich (*center*) displays his 2015 STS – AIChE Outstanding Young Professional Award. Phillip is joined in the photo by 2016 STS Chair Syamal Poddar (*right*) and AIChE Treasurer Dennis Griffith (*left*).

Phillip Purpich received the 2015 South Texas Section – AIChE Outstanding Young Professional Award.

Phillip received his BS in Chemical Engineering from Texas A&M University in 2009. As a student, he was employed by Williams' Gas Pipeline as a summer intern in 2009 and by the Artie McFerrin Department of Chemical Engineering as a student worker in Computer Operations in 2008 and 2009.

After graduation, Phillip joined Johnson Controls, Inc. in 2010 working in the HVAC business as a Building Efficiency Systems - Project Engineer. In 2011, he joined Amec Foster Wheeler where he remained thru 2014 serving in both process design and off and on sites installation capacities. This past January, Phillip rejoined Johnson Controls, Inc. and is now an Enterprise Accounts Project Engineer.

Phillip's volunteer activities included serving as Secretary (2012) and President (2013 & '14) of Amec Foster Wheeler Rising Professionals Association, Education Foundation of Harris County as a Board Member from 2012 to present, and as a Big Brothers & Big Sisters Mentor from 2014 to present.

Phillip's South Texas Section activity has been serving as the STS Webmaster since August of 2012. This means he does normal webmaster activities plus bulk e-mailings, preparing the Meeting Announcement Slides, and other related duties. Phillip has also received the STS 2013 Special Service Award.



## STS-AIChE Annual Awards

### 2015 STS - AIChE Distinguished Service Award



Larry Chriswell (center) proudly holds his 2015 STS – AIChE Distinguished Service Award. Also shown in the photo with Larry are 2016 STS Chair Syamal Poddar (*right*) and AIChE Treasurer Dennis Griffith (*left*).

The recipient of the 2015 South Texas Section – AIChE Distinguished Service Award is Larry Chriswell.

Larry received his BS in Chemical Engineering from the University of Washington in 1961. As a student, he worked for Puget Sound Pulp and Timber Co. (*Georgia Pacific*) as an engineering aide.

Following graduation, Larry joined DuPont. After a short stint with DuPont, he joined Hercules Incorporated where he held a number of positions until 1968. Larry then worked for Celanese Plastics Co. for the next twelve years holding several positions. In 1980 he began a process engineering career with stints in the following companies Bechtel, Stone and Webster, Brown & Root Braun, JBEK (*John Brown/Allstates*), Parsons E&C (*Worley Parsons*), Dow Chemical Co., Foster Wheeler, and Fluor which he completed in 2014. Larry has also sold equipment for Egan Machinery (*John Brown Worldwide Sales*).

Larry is a Senior Member (*Emeritus*) of AIChE and a Professional Engineer (*Texas*). Prior to joining the South Texas Section, he was the Puget Sound Local Section's Representative to the Puget Sound Engineering Council (*ECH Equivalent*).

Larry then became involved in the Texas' Coastal Bend Section as Program Chairman, Section Chair, and Section Past-Chair.

Larry then joined us in the South Texas Section. He served in the following positions: STS Treasurer (1986), STS Chemical Engineering Opportunities (CEO) Chair, STS Chair-Elect (2005), STS Chair (2006), and STS Past Chair (2007). Larry has received the 2006 STS Chair Appreciation Plaque. He has also been a STS Patron for several years.

Larry has served as member of the National Professional Development Committee for several years and participated in three National Leadership Development meetings.

## Awards

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### AICHE – YPC’s “35 UNDER 35” AWARD

AICHE and the Young Professionals Committee will be highlighting 35 outstanding AIChE members under the age of 35 who have made significant contributions to the field of Chemical Engineering and AIChE. Nominees can have made contributions through any of the 7 broad categories: Safety, Leadership, Innovation, Energy, Chemicals, Bioengineering, and Education.

*For more details, see the link:*

<http://www.aiche.org/community/awards/aiches-35-under-35-award>

*There is a link at the bottom of the page for downloading a MS Word version of the “35 Under 35” Nomination Form. It is possible to use an On-Line Nomination form but given that some of the information may be lengthy (500 word Maximum for five (5) questions), it may be desirable to complete the form and send it attached to an e-mail. The STS Awards Committee will also provide a modified copy of the Nomination Form.*

*Nominations are due January 30th, 2017.*

Contact [aiche35under35@gmail.com](mailto:aiche35under35@gmail.com) with any questions.

<b>Deadline:</b>	January 30, 2017
<b>Award Administrator:</b>	Young Professionals Committee (YPC)
<b>Qualifications:</b>	AIChE Member & STS Member Born on or after January 1, 1983
<b>Special Requirement:</b>	<u>Letter of Recommendation from someone other than nominator.</u>

**Recipient Recognition:**

- \$500 prize
- Recognized at an awards reception at the 2017 AIChE Annual Meeting in Minneapolis, MN (October 29 - November 3, 2017)
- Profiles highlighted in the Institute and chemical engineering community (online, in CEP Magazine, etc.)

**Contact:** Tom Menn for additional information and modified “35 Under 35” Nomination Form at: [thomasmenn@SBCGlobal.net](mailto:thomasmenn@SBCGlobal.net)

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## STS-AIChE 2016 Monthly Dinner Meeting Schedule

Date	Location	Meeting Details (Speaker/Company/Topic)
January 14	Brady's Landing	Paul Evans, SwRI <a href="#"><i>Initiatives for Applying Smart Manufacturing to the Continuous Processing Industries</i></a>
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	<a href="#">SPTC</a> Frank Souto, Honeywell <i>Industrial Cyber Securities</i>
November 3	Brady's Landing	Joe Powell, Shell <i>Sustaining and Optimizing Your Career: Let AIChE Help!</i>

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

### Update on Seasons Pass for Remaining part of 2016

We thank all those individuals who were seasons pass holders for 2016. We thank you for your support. As our 2016 season comes to a close we want to remind all those considering to be a seasons pass member that immediately the STS-AIChE Seasons Pass for the remaining part of 2016 is terminated since there are only two dinner meetings, (on October 6th and November 3rd) remaining. The December Social meeting is not included in the Seasons Pass.

Our existing Seasons Pass holders as listed in this Newsletter will continue to attend the two remaining dinners free as part of their season pass subscription for 2016

The STS-AIChE Season Pass will resume for the 2017 cycle starting January 1<sup>st</sup>.

Stay tuned for details on 2017 Seasons Pass program and the informative speakers we are lining up to speak.

## STS-AICHe 2016 Season Pass

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### 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 2016 season. Season Pass holders also received priority sign-up for all special events.

Season Pass holders are always recognized as patrons on the STS-AICHe website and in our newsletter. This is a great way to show your support for your section at no additional cost. Season Pass holders are issued a permanent name tag – no need for sticky paper name tags. Your fellow members will recognize you as a patron and a supporter of your profession.

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 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](mailto: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.

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## STS-AIChE 2016 Season Pass

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### 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

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## Upcoming Events Information

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### November First Friday Networking Lunch

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The South Texas Section is happy to announce the beginning of the "First Friday" networking lunch series. This is a networking event to bring together engineers who are seeking to improve their employment situation with experienced industry management and professionals.

The first lunch will be held on Friday, November 4th from 11:30AM - 1PM at the Café on the Lake in the Omni Hotel at Westside ([13210 Katy Freeway, Houston, TX 77079](#)). The Café lunch menu ranges from \$8 to \$15, and the STS will subsidizing this event at \$5 per attendee. The theme of the first meeting will be introductions within the group, making a good first impression, and discussion on future topics.

Everyone is welcome!!!

Please, select the link below and register to attend so we can attain the proper head count prior to the lunch.

<http://www.aiche.org/community/sites/local-sections/sts/forms/november-first-friday-networking-lunch>

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## Upcoming Events Information

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### Mentor For An Evening

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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 continuing to trial 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. It is sometime difficult to “break the ice” for someone starting in their career to ask advice from a more experience individual. 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

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## 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.



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## K12 Outreach Volunteers

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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](mailto: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](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](mailto: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.*

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## Call for Volunteers Official Greeters

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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.

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## More Volunteer Opportunities

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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](mailto:matthew.kolodney@tceq.state.tx.us)

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

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](mailto:sts-pastchair@aiche.org).



## South Texas Section AIChE

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

### 2016 Officers and Contact Information

#### Officers

**Chair** Syamal Poddar  
[sts-chair@aiche.org](mailto:sts-chair@aiche.org)

**Chair Elect** David Rosenthal  
[sts-chairelect@aiche.org](mailto:sts-chairelect@aiche.org)

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

**Secretary** Chaitanya Gottimukkala  
[sts-secretary@aiche.org](mailto:sts-secretary@aiche.org)

**Treasurer** Carlos Salamanca  
[sts-treasurer@aiche.org](mailto:sts-treasurer@aiche.org)

#### Executive Committee

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

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

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

**Position 4: Human Resources**  
Tom Rehm  
[sts-position4@aiche.org](mailto:sts-position4@aiche.org)

#### Volunteers

**Arrangements:** [John Middleton](#)  
**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)



AIChE Home Office  
120 Wall Street, FL 23  
New York, NY 10005-4020

AIChE Customer Service Center  
100 Mill Plain Rd 3rd Fl  
Danbury, CT 06811

## The South Texan Newsletter Crew

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

Contact us at [sts-newsletter@aiche.org](mailto:sts-newsletter@aiche.org) with comments, questions, suggestions, and ideas for next month.



### Newsletter Editors

**Linton Wong**  
Baker Hughes  
12645 West Airport Blvd  
Sugar Land, TX 77478  
(832) 600-0144  
[linton.wong@bakerhughes.com](mailto:linton.wong@bakerhughes.com)

**Shubharthi Barua**  
Chicago Bridge & Iron Co.  
5850 Rogerdale Rd  
Houston, TX 77072  
(979) 402-1508  
[shubharthi.barua@ymail.com](mailto:shubharthi.barua@ymail.com)

### Submit an article! Contact:

**Matt Kolodney**  
TCEQ  
5425 Polk Avenue, Suite H  
Houston, TX 77023-1486  
(713) 767-3752  
[mkolodne@tceq.state.tx.us](mailto:mkolodne@tceq.state.tx.us)

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Global NP Solutions, LLC  
2323 Clear Lake City Blvd,  
#180 Suite 177  
Houston, TX 77062  
(281) 280-8717  
[Teresa@globalnpsolutions.com](mailto:Teresa@globalnpsolutions.com)