



Monthly Meeting March 3, 2011

Central Location: Pelazzio Banquet Hall (Social Hour at 6 PM, Dinner at 7 PM)

Satellite Location: Lone Star College - Montgomery (The Woodlands) (Dinner at 6 PM offsite; Reconvene at 7:45 for technical program)

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February's dinner meeting was cancelled due to inclement weather; however, we have been fortunate to keep the same speaker that was planned for February!

Energy

Speaker: Mark Holtzapple, Texas A&M University

During this month's meeting, Dr. Mark Holtzapple will describe the challenges of providing energy to a growing world. To address energy needs, he will show how the MixAlco process converts waste biomass into bio-gasoline. Further, he will explain how to reduce the need for gasoline by using a high-efficiency StarRotor engine.

Biography:

In 1978, Mark Holtzapple received his BS in chemical engineering from Cornell University. In 1981, he received his PhD in chemical engineering from the University of Pennsylvania. After obtaining his degrees, he served as a captain in the U.S. Army and worked to develop a portable air conditioning system that soldiers could wear to prevent heat stress while wearing chemical protective clothing. In 1986, he became a professor of chemical engineering at Texas A&M University. His research interests include fuels and chemicals from biomass, feed and food processing, water desalination, high-efficiency engines, high-efficiency air conditioning, advanced electric motors, and vertical-lift aircraft.



Workshops begin at 5:30 PM (Workshops are free and open to public)

Personal Development Workshop

Speaker: Teresa Jurgens-Kowal

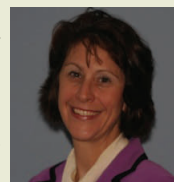
What is New Product Development (NPD)?

Abstract: Businesses must grow to survive. While mergers and acquisitions and cost reduction programs can help deliver better numbers in the short-run, introduction of new products is the only sustainable way for companies to achieve organic growth. New products are often thought to be the bane of marketing, but EVERYONE works in new product development – especially chemical engineers!

In this short introduction learn what New Product Development (NPD) is, how chemical engineers are involved in NPD, and how one company turned around its stock price by using NPD best practices.

Bio: Teresa Jurgens-Kowal, Ph.D., PE (State of Louisiana), NPDP, has over 17 years of experience as a chemical engineer in industry and consulting. She is an accomplished visionary and results-oriented professional with extensive industry experience from creative research to effective portfolio management through stream-lined new product development processes.

Teresa holds chemical process and catalyst patents, and is published in the Journal of the American Chemical Society and the Journal of Physical Chemistry. She is also a frequent book review contributor to the Journal of Product Innovation Management and a member of AIChE. In her leisure time, Teresa pursues amateur photography, scrapbooking, and gardening.



Process Safety Management Workshop

Speaker: Justin Dowden

Fault Tree Analysis: Another Tool in Assessing Risk

Abstract: Fault Tree Analysis is one of the more powerful but less often used methodologies that OSHA allows us for evaluating risks. When conducting a Process Hazards Analysis (PHA) we typically go through the following steps:

1. Identify the potential hazard
2. Identify the cause of the potential hazard
3. Determine the consequences and their severity
4. Determine what safeguards exist to minimize the potential hazard
5. Establish the probability/likelihood/frequency

From these we can estimate the risk associated with the hazard. For any given consequence, the better we can determine the probability or likelihood, the better our estimate of the risk. Most of the time the probability is assessed qualitatively, that is, from the experience of the team. A better estimate of the probability can be obtained quantitatively with Layer or Protection Analysis (LOPA) or Fault Tree Analysis.

This presentation will provide an introduction to Fault Tree Analysis including discussion of the procedure for fault tree development, modes of analysis, and its inherent advantages and disadvantages. It will provide a framework of reference to aid in the selection of PHA methodologies.

Bio: Justin A. Dowden is a process engineer for URS Corporation where he has worked since beginning his career in 2008. Mr. Dowden has experience in process safety, upstream oil and gas, nuclear, and IGCC. He is a graduate of Texas A&M University where he holds a bachelor and masters degree in Chemical Engineering.

PE/PO Workshop

Speaker: Peter Hanik

Structured Patent Development

Abstract: A structured method to analyze and expand inventions will be introduced. This method addresses many of the broad issues that often surround the transition from invention to patent. It also facilitates the communication between inventor and patent attorney and allows for the analysis of existing patents to find ways to expand an existing patent and/or develop functional alternatives.

Bio: Pete Hanik is the President of Pretium Innovation, LLC a firm specializing in helping clients dramatically improve performance through Structured Innovation techniques. He has over 35 years of executive management and technology experience with Millenium Chemicals, Millenium Petrochemicals, Quantum Chemicals, and Northen Petrochemical.

Pete serves as a Chairman of the MIT Enterprise Forum of Texas. He has presented papers on innovation at the American Chemical Society, Society of Plastics Engineers, Society of American Value Engineers, Product Development Management Association, Licensing Executive Society, MIT Enterprise Forum, Gulf Coast Symposium on Human Resources Issues, Flexpo, ChemInnovations 2010 and others. Pete, a registered Profession Engineer, earned a BS in Chemical Engineering from Illinois Institute of Technology and a MBA from the University of Chicago.

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.

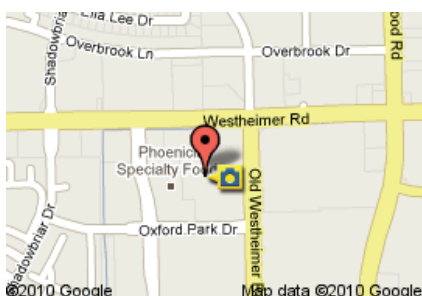
	Pre-Registration Members	Pre-Registration Non-Members	At the door Members	At the door Non-Members
Regular/Retired	\$25	\$30	\$35	\$40
Student/Unemployed	\$15	\$20	\$25	\$30
North Houston satellite meeting location	\$11	\$11	\$11	\$11

NOTE: You have until 4 PM CST on Mar. 2nd to pre-register online. After that, you will be required to pay the higher cost at the door.

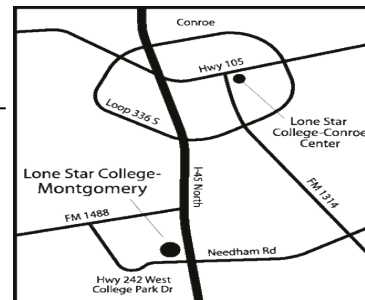
Pre-registration for the meeting is now open through our new website at:

<http://sts.aiche.org/content/meeting-pre-registration>

Meeting Location—Pelazzio Banquet Hall

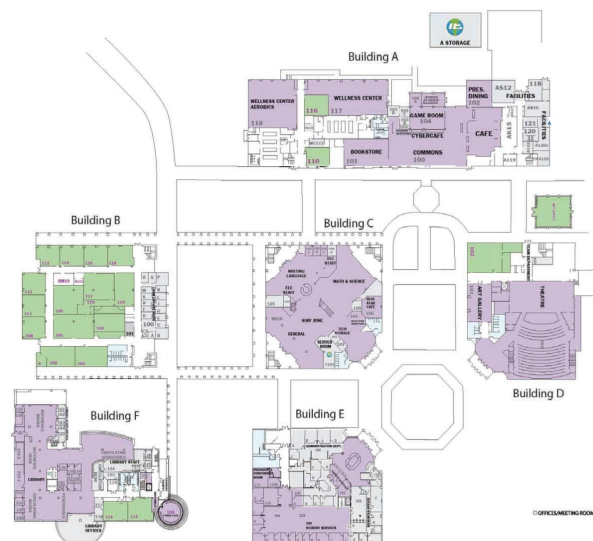


This month's meeting will be held at [Pelazzio Banquet Hall](#) (12121 Westheimer Rd, Houston, Texas 77077). Double click on the map to the left for directions from your location. Satellite meeting will be held at [Lone Star College - Montgomery](#) (Building B **Room MC-A A225**) at 3200 College Park Drive, Conroe, TX 77384. Double click on the map to the right for directions. Please note the new meeting room for the satellite location.



North Houston Satellite Meeting Information

- Where : 3200 College Park Drive, Conroe (The Woodlands), TX 77384; Building B, Room MC-A A225 (on the second floor)
- When : March 3
- 6:00pm – 7:30pm Pre-meeting dinner at [Russo's Restaurant](#) (across the street from Lone Star) Dinner pre-registration fee covers a light dinner. Cocktails can be purchased individually.
- 7:30pm–7:45pm Travel back to Lone Star
- 7:45pm – 8:15pm Awards / Announcements followed by Comfort Break
- 8:15pm STS-AICHE Presentation
- North Houston members can pre-register online at <http://sts.aiche.org/content/meeting-pre-registration> for only \$11.





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YPGiving

YPGiving will sponsor one Young Professional (including ChE students) to our monthly dinner meetings. To qualify, you will have to share new ideas about potential YP activities that would be beneficial to young chemical engineers and also provide constructive feedback to our activities. Email your 3-4 sentences to sts-yp@aiiche.org and we will let you know if you are the lucky winner. If you know any YPs, please share this with them.

YP Events

Social Hour

When: March 11

Where: Big Woodrow's (Richmond Ave & Chimney Rock Rd)

RSVP: Bryan Pourchot (bjp@topsoe.com)

Come out and network with us!

University of Houston – Campus Visit

When: March 23

Where: University of Houston – Main Campus

Time: 5:30 – 7:00 PM

We will be giving an info session about AIChE and interacting with students.

Southwest Regional Student Conference

When: March 25 – 27

Where: Texas A&M University – College Station, TX

Details: <http://aiiche.tamu.edu/conference>

Plant Tour – ConocoPhillips Sweeny Refinery

Young Professionals are organizing a plant tour in April. ConocoPhillips will be providing us a tour of their Sweeny Refinery and an overview of various unit operations. We also welcome any ChE students who want to take advantage of this opportunity.

When: April 15, 2011 (Friday)

Time: 1 – 4 PM

Where: Sweeny, TX

RSVP: Jayce Mathews at sts-yp@aiiche.org

Cost: Free

We are accepting RSVPs at this time; we have limited slots available, they are available on a first-come, first-served basis. Once we receive your RSVP's, we will email you the details. Refreshments will be provided.



Young Professionals are on

We have been active on Facebook for quite some time. Check us out and ChEnect with us at <http://www.facebook.com/STS.AIChE.YP> and



us.

Featured YP of the Month

We started this new series last month where we spotlight active YPs in our section. This month's Featured YP is Matthew Johnson. Matthew is the Secretary for the Young Professionals group of STS-AIChE; he is also active with our new webcasting team that broadcasts our monthly dinner meetings to our satellite locations like The Woodlands area (and more in the future). Let's learn more about him:

Tell us about yourself:

I received my B.S. in Chemical Engineering from Texas A&M University in 2009. I am currently working as a process engineer at Foster Wheeler. My favorite pastime is fishing in Galveston Bay or Lake Conroe. I also shoot a pretty mean game of pool on bad weather days.



What do you like most about your current job and what are your responsibilities?

I like the fact that my work at Foster Wheeler is challenging and is often fast-paced. The job is also highly technical, which means I get to use a lot of the skills I learned in school. Most of the work I do is for grassroots design of Delayed Coker and Solvent Deasphalting projects and project proposals. Grassroots design makes things interesting because one week I will be working on a project in Russia and the next week it will be in South America. My responsibilities include supporting the senior engineers in developing the technical information such as PFDs, sized equipment lists, and process simulations for the projects and project proposals.

How has STS and AIChE benefited you?

I was highly involved with AIChE as a student, so joining STS was natural for me. Houston is one of the industrial powerhouses of the country and STS-AIChE is a great place to meet all kinds of people from all of the various industries. I enjoy interacting with the other YPs at the social events and volunteering for the K-12 events whenever possible.

Any advice for the ChE students who will be graduating in May?

When selecting interviews don't trick yourself into believing that you know exactly where you want to work. Do as many interviews and get as many offers from as many companies as your time allows. The best offer for you might not be the one that offers the most money. Also don't feel like you are trapping yourself into one area of expertise. A chemical engineering degree is a great background to have whether you want to stay technical, go into sales, business, law, or even med-school.

Future STS-AIChE Dinner Meetings

Date	Sponsor	Location	Dinner Speaker Topic	Speaker	Workshops
March 3, 2011	None	Pelazzio Banquet Hall	TBA	Mark Holtzapple	Yes
April 7, 2011	TBA	Brady's Landing	The State of Natural Gas, the Emerging Premier Fuel of the World Economy	Michael Economides	Energy Forum, No Workshops
May 5, 2011	Johnson Matthey/Tracerco	Brady's Landing	TBA	TBA	Yes

Letter From the Chair

March is upon us! Thank goodness. After our recent winter weather, I'm sure you are all ready for Spring. Having spent my youth much further north, I have a special appreciation for the amazing renewal that Spring brings. While we are looking forward to our blossoming azaleas and wildflower-lined highways, it is a great time to plan for our own annual renewal. After all, what good are our New Year's resolutions if we never see them mature to full bloom?

For our professional lives, our STS AIChE activities provide many opportunities for this annual renewal. Our monthly meetings offer much more than good dining and interesting speakers. A typical monthly meeting has a hundred or more participants. Who knows which handshake will open the door to an exciting new adventure? I personally have embarked on many new adventures through monthly meeting networking. If you are not yet a regular participant, why not give it a try?

For those of you who, at your root, crave specific nourishment to foster your intellectual growth, STS AIChE also has much to offer. Our monthly workshops, held in association with our monthly dinner meeting, address many topics to increase your knowledge and hone your skills. In addition to our monthly dinner speakers, we also offer many special presentations, including the energy forum in April and our Regional Process Technology Meeting (Galveston) in October. Watch the newsletters for details!

Happy Spring! I look forward to seeing you all soon.

Ken Cox

Call For Volunteers

The Career and Education Operating Council (CEOC) of AIChE (National) has studies underway in several areas of interest to AIChE members. Additional volunteers are needed for committees performing the areas listed below. Working on one of these committees teaches you about the operation of AIChE, as well as teamwork, management, and leadership. Lessons from the latter three will spill over into your job, personal life, and other nonprofit organizations. The committee topics include:

A. Leadership development — New options for the training and development of leaders in AIChE. Our current methods are useful, but we're looking at others, too.

B. Fundraising — There is a modest but significant budget gap in AIChE National, and we can better serve our members if we can shrink it. Additionally, the programming of many local sections could benefit by fund raising.

C. Local Section Committee (LSC) Support — Unlike the STS, many local sections are facing difficulties, and the LSC is developing projects to assist "local sections in need."

D. Membership — The AIChE needs to work on increasing membership of National and of local sections. We're looking for additional good ideas. This includes how to explain the benefits of membership, how to encourage more student members to become YPs and how to encourage more first-time attendees at local section meetings to return and get involved.

E. Communication — Many AIChE members don't seem to learn about AIChE events and programs that they later wish they'd heard about. How can we improve communications with members? This could include mailings, web sites, e-mail, telephone, etc.

These studies will involve identifying and evaluating alternatives, preparing "best practices" for local sections, and executing developmental projects.

If you might be interested in one or more of these areas, please contact Matt Kolodney (mkolodney1@comcast.net or 713-471-8956)

It's Awards Time!

It is once again time to nominate an STS member for our annual awards for 2010:

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

For requirements of each award, visit the web page: <http://sts.aiche.org/content/awards>. The page provides a summary of the awards, and contains links to more detailed descriptions of each award.

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

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

If you do not have web access or prefer the printed form, print out the forms from the next two pages.

Winter Planning Meeting

The Winter Planning meeting was held at Fluor in Sugar Land, TX on February 5th from 9 AM—12 PM. Much was accomplished during this meeting as the STS-AIChE chairs and committee members developed long-range objectives and priorities for STS-AIChE in 2011. Attendees present at the meeting are shown below.



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*Certain restrictions apply.



Engineering advanced

South Texas Section – AIChE - 2010 Annual Awards Nomination Form (Page 1 of 2)

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 1, 2011 TO BE ACCEPTED!

E-mail the completed form to:

Thomas E. Menn	or	Rajneesh Varma , Ph.D.	or	Anand Nilekar, PhD
P. O. Box 458		Shell Global Solutions (US) Inc.		Shell Global Solutions (US) Inc.
Pearland, Texas 77588-0548		Westhollow Technology Center		Westhollow Technology Center
Tel: 281-485-3719		3333 Highway 6 South		3333 Highway 6 South
ThomasMenn@SBCGlobal.net		Houston, Texas 77082		Houston, Texas 77082
		Tel: 281-544-6297		Tel: 281-544-6289
		Rajneesh.Varma@Shell.com		Anand.Nilekar@Shell.com

Once the nomination is submitted, you will receive an email from the STS Awards Committee confirming receipt of the nomination.

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

NOMINATOR'S NAME: _____
 ADDRESS: STREET: _____
 CITY: _____ STATE: _____ ZIP CODE: _____
 TELEPHONE NUMBER: (_____) _____
 EMAIL ADDRESS: _____

I wish to nominate _____
 (Enter Name of Nominee or Title of Paper on the above line.)

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME: _____
 ADDRESS: STREET: _____
 CITY: _____ STATE: _____ ZIP CODE: _____
 TELEPHONE NUMBER: (_____) _____
 EMAIL ADDRESS: _____

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

_____ 2010 STS Outstanding Young Professional Award (Under age 35)*
 _____ 2010 STS Distinguished Service Award (Over age 35)*
 _____ 2010 STS Best Fundamental Paper Award (Please complete page 2)
 _____ 2010 STS Best Applied Paper Award (Please complete Page 2)

*For STS Outstanding Young Member or Distinguished Service Awards, please provide a supporting document stating the reason you feel that this person is deserving of this award. E-mail the completed form and recommendation to one of the addresses above.

South Texas Section – AIChE - 2010 Annual Awards Nomination Form (Page 2 of 2)

Please enter the name of the Best Paper again: _____

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

Enter the contact Author's name again: _____

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

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

MEMBERSHIP

Note: At least one author must be an STS Member. AIChE STS

Co-Author #1: _____

Co-Author #2: _____

Co-Author #3: _____

Co-Author #4: _____

Co-Author #5: _____

Co-Author #6: _____

Co-Author #7: _____

Co-Author #8: _____

[Add additional authors on an attached sheet if necessary.]

For Best Paper nominations, please provide following information:

NAME OF PUBLICATION: _____

DATE OF PUBLICATION: _____

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

PLEASE ATTACH AN ELECTRONIC VERSION (*.PDF) OF THE PUBLISHED ARTICLE.

Once the nomination is submitted, you will receive an email from the STS Awards Committee confirming receipt of the nomination.

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.

Future City Award

Congratulations to Westbury Christain Academy!

Middle school students Matthew Douglas, Nick Leeson, and Ibe Matanya (pictured below) worked together with their teacher, Colleen Leeson and mentor, Lorena Iniguez to design, build and present their city, Emprozia. They are the first winners of South Texas Section's Best Environmental Design Award at the Future City Competition.

Thanks to Gary Lenertz, John Middleton, and Mark Smith for coming out to San Jacinto College to judge the competition and selecting the winners of our award.





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Top Interview Secret: Know the Right Questions to Ask

Most interview preparation books are filled with sample questions that you'll have to answer during an interview. While it's certainly important to know how to answer tough interview questions, it's equally important to know how to ASK questions in an interview. There are three good reasons to be prepared to ask great questions during interviews:

1. To uncover the interviewer's hiring motives.
2. To demonstrate your interest and intelligence.
3. To uncover any unspoken concerns or "red flags."

Let's look at each of these points:

1. To uncover the interviewer's hiring motives.

A big mistake candidates make going into a job interview is to assume that they know the hiring motives of the interviewer based solely on the job description. But the reality is that each person within an organization will have a slightly different idea of the perfect person for the job.

It's up to you to find out the hiring motives of each person you interview within any one organization. Ask a simple question and you'll know what your interviewer is looking for. Such as:

- ♦ What do you see as the most significant challenges for this position?
- ♦ What qualities do you look for to fill this position?

Then just listen closely. He/She will tell you just what you need to know in order to tailor your answers to his/her desires.

2. To demonstrate your interest and intelligence.

Nothing works better than a well thought out question to convince your interviewer of the sincerity and interest. Additionally, a good question is the simplest, yet most effective way of impressing them with your intelligence.

The main thing is that you want your question(s) to be specific to the organization you are interviewing with. Avoid generic questions such as "Where do you see your company going in five years?" The interviewer is going to realize you just asked the last five companies that same question. A more targeted and specific question will win you points in the interview, and may tip the scale in your favor when they're discussing which candidate to hire.

3. To uncover any unspoken concerns or "red flags."

Before you walk out of your interview, find out any concerns that may eliminate you as a candidate. This is your best chance to defend your candidacy. This is also your second chance to undo an interview error, or provide vital information. Ask a question something like: "What concerns do you have that would prevent you from calling me back for the next interview?" Spoken concerns can be answered with new information on how you've overcome challenges, learned new skills, or adjusted to new industries quickly. Remember, if you don't ask, they will not tell you, and you'll always wonder why they didn't call you back.

When it comes to interviews, there is no such thing as over preparation. A resume will get your foot in the door, but the interview will seal the deal. Make sure you're ready to win the job by asking the right interview questions.

Deborah Walker, Career Coach

Deb@AlphaAdvantage.com

360-260-4965

www.AlphaAdvantage.com

Science Fair Volunteers Needed

The Science Engineering Fair of Houston (SEFH) will take place, Thursday-Saturday, April 7-9, 2011, at the George R. Brown Convention Center in downtown Houston. The South Texas section of AIChE will participate in SEFH in four ways:

- ♦ Financial sponsor. STS will make a financial contribution to the fair.
- ♦ Special Awarding Agency. We present four special awards for the best projects related to Chemical Engineering. (Friday, April 8, 2011, evening)
- ♦ Traditional Judging. We supply judges to the traditional science fair judging process that determines the winners of awards in each category (e.g., 1st, 2nd, 3rd in physics). (Friday, April 8, 2011, daytime)
- ♦ Career Expo. The first career exposition during the public viewing hours of the science fair on Saturday, April 9 from 9 AM – 2 PM. STS will set-up a booth describing Chemical Engineering.

Of the four items mentioned above, three require volunteers available on April 8 or 9. To volunteer, visit the SEFH web site, <http://hunstem.uhd.edu/SEFH/SEFHintro.html>, so you'll know what's going on. Consider the following opportunities:

Opportunity # 1. Special Awarding Agency judge for AIChE--- Be a volunteer who gathers with fellow members of the South Texas Section on Friday night, April 8, to pick the best projects related to Chemical Engineering. We first determine which projects are related to Chemical Engineering in the entire fair and then choose the best projects among those identified as related to Chemical Engineering. This is usually interesting and a lot of fun. Typically the STS judges socialize afterwards. For more information, see the section related to special awards judging at <http://hunstem.uhd.edu/SEFH/judges.html>.

Opportunity #2. Judges are needed to determine place order in all of the categories of the science fair (truly SEFH's greatest need). If you choose to do this you will interview and score a number of students competing in only one category and age-level of the science fair; e.g. junior-high environmental science, ninth-grade chemistry, senior engineering, etc. This type of judging takes place during the day on Friday, April 8, 2011. For more information, see parts related to place award judging at <http://hunstem.uhd.edu/SEFH/judges.html>.

Opportunity #3. Volunteers are needed to man the AIChE booth at the Career Expo on Saturday, April 9, 2011, from 9:00 AM to 2:00 PM. The Career Expo corresponds with "open to the public" hours for the science fair. For more information on the Career Expo, see <http://hunstem.uhd.edu/SEFH/CEA-SEFH%20EXPO.htm>.

If one of these opportunities interests you, contact Ernie Althaus at 713-839-7463 (home), 713-410-7434 (cell), or ernie.althaus@alumni.utexas.net. Also, visit the SEFH web site noted above for more details.

Creativity Needed

STS-AIChE needs help designing posters for our K-12 booth used at career fairs and outreach events. Contact Heather Gilligan at hkgilligan@gmail.com for more information.

Save the Date!

The Boy Scout Fair will be held April 16th at Reliant Arena. Volunteers will be needed to support this event. Look for more information in next month's newsletter.

Upcoming AIChE/SPE Joint Workshop



September 26-28, 2011
Omni-Houston Westside
Houston, TX, USA

Cosponsored by the American Institute of Chemical Engineers (AIChE) and the Society of Petroleum Engineers (SPE)

Challenges in Flow Assurance and Crude Oil Quality

This joint AIChE/SPE workshop will focus on the integrated relationship between flow assurance and facilities design. The integrated approach to flow assurance involves reservoir, subsea, and topsides engineering teams evaluating all aspects of field development and discussing the impact of flow assurance solutions.

Technical Advisory Committee:

Norman Carnahan, Carnahan Corporation

Scott Hickman, ExxonMobil

David Rosenthal, Jacobs Engineering

Dendy Sloan, Colorado School of Mines

Hariprasad Subramani, Chevron Energy Technology Company

Irv Wiehe, Soluble Solutions

For more information, visit <http://www.aiche.org/conferences/specialty/6thSPEWorkshop.aspx>

Volunteers Needed for OTC 2011

The 2011 Offshore Technology Conference (OTC) will be held 2-5 May at Reliant Park. Volunteers will receive a complimentary OTC registration and a free parking pass (good for the entire OTC) for attending an orientation meeting the week before (to pick up badges and parking passes) and for contributing about five hours time to either the Arrangements, Registration, or Student Tours Conduct Committees during the OTC.

For more information contact Thomas E. Menn via regular mail at P.O. Box 458, Pearland, Texas 77588-0458. Or call or email Tom at 281-485-3719 or thomas-menn@SBCglobal.net.

STS Volunteer Opportunities

General considerations. It would be great if AIChE had an implantable chip to distribute to members giving them instant chemical engineering expertise. Unfortunately, AIChE National says that's a long way off. Additionally, thinking back to engineering school, if we wanted to learn to be an engineer, we had to go to class and do homework. As STS members, we can benefit from attending meetings, from networking, and from reading CEP, but even greater benefits are the experience and the contacts that come from being an active volunteer.

At STS, we have a number of opportunities to volunteer and grow. You can exercise your current skills or learn new skills. You can ask for and choose a job you want (would enjoy doing). Your volunteer job can help prepare you for a paid job. Others will be happy to assist you in learning and performing it. We want you to succeed and grow. We have found that if you do something you enjoy, you'll do well. It's a win-win situation, for you and for us. This is also an opportunity to try a new opportunity, to see if you like it, and to do so without risking your current job.

K-12 Outreach Committee. An excellent opportunity for engineers who want to work with others. You can experience different ideas and methods in educational outreach, and help AIChE plan the upcoming STS K-12 outreach program. Interface with AIChE (national) SIOC, work with other technical people, with other local societies, with students and parents, and with teachers. Other people have already developed the outreach activities. We can provide contacts in school systems, contacts with various local outreach programs, pre-developed activities, and examples of outreach in other local sections. For now, you get to show up for a day, get the experience, and report back to us at AIChE. If and when you like, you can try out some of your own ideas. The contacts, experience, and understanding you have developed will help your own program to succeed.

Custom-Designed Opportunities. If you'd like to get involved, but none of these opportunities is close enough to what you want, contact the STS Volunteer Recruiter (me), and we'll try to design an opportunity to meet your individual needs. It has been done successfully in the past.

If you're interested, contact our STS Volunteer Recruiter, Matt Kolodney, mkolodne@tceq.state.tx.us.

Chemical / Engineering Opportunities (C/EO)

Are you unemployed and looking for work? The STS provides a service that finds engineers work.

Since it began in 1983, Chemical/Engineering Opportunities (C/EO) has provided more than 1,000 chemical engineers and chemists to chemical manufacturing companies, analytical chemical laboratories, environmental firms and process design firms seeking such individuals to meet their technical needs.

C/EO is sponsored by South Texas Section of the American Institute of Chemical Engineers. The charter of the committee is to facilitate the re-employment of chemical engineers in the Houston area.

Chemical engineers wanting to participate in C/EO must meet the following criteria:

- * You are unemployed.
- * You are a member of **both** the National AIChE and the STS Local Section. When you visit our office, have your membership card available.
- * You must volunteer a minimum of 3 hours per week in the C/EO office, helping answer the phones, indoctrinate new Volunteers and, most importantly, help in the mailing of the Profiles.
- * Volunteers must reside in the Houston Metropolitan area. Volunteers who fail to show are delisted.
- * Provide addresses, phone numbers and contact names of 14 companies which typically employ chemical engineers or chemists. This ensures our database remains current.

For more information, please contact the C/EO Director, Jim Murphy, at jrmurphy2@aol.com. The C/EO page on the STS website is: <http://sts.aiche.org/content/ceo-chemical-engineering-opportunities>.

The C/EO Office is located at:

c/o Halliburton Co. USA

10200 Bellaire Blvd., Suite BNW 3

Houston, Texas 77210

Telephone: (281) 575-4348

Fax: (281) 575-5258

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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 2013

<<To be developed>>



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Contact the New York office for PERMANENT ADDRESS CORRECTIONS:



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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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