

# The South Texan

2003 Marx Isaacs Award for Outstanding Large Section Newsletter



## Special Spring National Meeting Preview Issue!!

Returning to the heartland of chemical engineering after a six-year absence, the 2007 Spring National Meeting is in Houston from April 22 to 26 at the Hilton Americas-Houston Hotel and George R. Brown Convention Center.

The timing couldn't be better. Energy — conventional fossil fuel-based or alternative (e. g., solar, wind, bio) as well as its impact on the environment — will be one of the critical topics of discussion. Engineers and scientists will present concise, timely tutorials and sessions along with the latest results and current trends in the application of chemical engineering tools for further development and deployment of critical technology for the benefit of society.

Each day of this meeting will be highlighted by a focused programming theme, two of which include keynote presentations by Department of Energy National Laboratory Directors. Each daily Programming Focus encompasses cross-cutting and complex topics and has been carefully crafted from the meeting's twelve topical conferences and programming groups to deliver a **powerful focused area within a single day**.

**Monday, April 23 — Fossil Energy and CO<sub>2</sub> Sequestration** featuring the Fuels and Petrochemicals Division's plenary session with Carl Bauer, Director of the National Energy Technology Laboratory, as the keynote speaker at 11:15 AM. Sessions in this topic include the conversion of coal and gas to liquids, integrated gasification combined cycle (IGCC), liquefied natural gas (LNG), fuel cells, and the latest breakthroughs in CO<sub>2</sub> sequestration. Complementing this focused theme is the [AIChE/SPE Heavy Oil Workshop](#) on April 26, which brings together the upstream and downstream elements of oil production and processing.

**Tuesday, April 24 — Safe Reliable Energy Supply** featuring Dan Arvizu, Director of the National Renewable Energy Laboratory, as the keynote speaker at the Spring National Meeting luncheon at 11:45 AM sponsored by Saudi Aramco. Rounding out this theme are sessions on biomass fuel conversion technologies, opportunity crudes upgrading, olefins energy management, synthetic fuels and chemicals from unconventional resources, and a toolbox for energy efficiency.

**Wednesday, April 25 — Project Management** is a lead-in for the AIChE Management Conference ([Managing CPI Energy and Raw Material Uncertainties in a Global Context](#), April 26–27 co-located in Houston); featured sessions include new approaches to project management, and portfolio and alliance management.

**Operations and Reliability** explores chemical processing equipment and features sessions on heat exchangers, ethylene and LNG plant equipment, ethylene plant operations, reliability and process safety, microreactor engineering, and distillation.

**Thursday, April 26 — Sustainable Development** highlighted sessions include the business case for sustainability, management systems, social responsibility, green engineering, and industrial water sustainability.

For more details on these focus areas, visit the [SNM website](#).

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## More SNM details!

### CONFERENCES

Carrying on a lengthy tradition, the 2007 Spring National Meeting continues to be organized around **several key topical conferences** that have programming for chemical industries such as ethylene, refining and LNG, or chemical engineering functions such as process safety or environmental.

These topical conferences include:

- The 19<sup>th</sup> Ethylene Producers' Conference
- The [3<sup>rd</sup> Global Congress for Process Safety](#) featuring
  - \* The 41<sup>st</sup> Loss Prevention Symposium
  - \* The 22<sup>nd</sup> Center for Chemical Process Safety International Conference
  - \* The 9<sup>th</sup> Process Plant Safety Symposium
- Applications of Micro-Reactor Engineering
- The Distillation Topical Conference
- The 10<sup>th</sup> Topical Conference on Refinery Processing
- The Energy Processes Topical Conference
- Managing for Growth-Doing Projects the Right Way
- Practical Approaches to Sustainable Development Conference
- The Novel Technologies Conference
- The 7<sup>th</sup> Natural Gas Utilization Conference

### YPAB TUTORIALS

Starting a new tradition, the Young Professionals Advisory Board has extensive tutorials before the **Spring National Meeting** to help engineers at the start of their careers to become more familiar with industrial practices. On Saturday and Sunday before the technical sessions begin, April 21 and 22,

YPAB has organized a suite of **seven 2-hour tutorials for a nominal fee**. Subjects covered include engineering ethics, economic analysis, process simulation, distillation, inherently safer designs, and more. Students get a special discount!

### CAREER FAIR

On Sunday April 22, there is a **Career Fair** for professionals and students. The fair is free for national AIChE members only; for non-members, there is an admission fee. Registration is required.

### EXPO

Throughout the SNM, there is an **Expo** with many industry professional exhibitors. For a list of exhibitors and their potential locations, visit [Expo](#).

### SHORT COURSES

There are **several short courses offered** at the SNM for an additional cost:

#### Sunday Courses:

- How efficient is your process? Setting design and operational targets
- Gravity Sedimentation & Clarification
- Incident Investigation
- Process Safety Culture
- Risk Based Process Safety (RBPS) for Better Process Safety Results
- Flammability hazards - basic to advanced
- Advances in Heat Exchanger Technology: Compact and Enhanced Heat Exchangers for Process Industry

#### Weekday Courses:

- Thermodynamic Workshop for Young Chemical Engineers
- You Can't Flow Chart Murphy's Law! From Obstacle to Opportunity
- Intellectual property, including patents
- Managing Chemical Reactivity and Dust Explosion Hazards
- Human Factors for Improving Performance in the Process Industries
- Cyber-Intelligence Workshop- Finding information From Web Based Resources
- *The "Communicating with Impact" session has been cancelled.*

### SPECIAL EVENTS

Additional special events! Roundtable discussions, tutorials, and more!

### MEALS

Hungry? There are ticketed luncheons and dinners available!

### TECH PROGRAM

For all **Technical Program Details**, visit: [Technical Program](#)

### REGISTER

**Register** for the Spring National meeting today! [Registration](#)

Try the new **Personal Scheduler-Itinerary Planner!** This is a great online tool that allows you to select the courses you are interested in, see when there are conflicts, and finally print out your schedule for easy viewing.

<http://aiche.confex.com/aiche/s07/scheduler/>

## Welcoming Reception

Location: Grand Ballroom A-F on the 2nd floor of the Hilton Americas-Houston Hotel

Sunday, April 22, 6 PM to 7:30 PM

Tickets: Free! Free! Free!

Howdy! Join us at THE Kick-off event for this year's Spring National Meeting! The Houston Reception is always a joyful gathering for old friends and new alike. Come to the Grand Ballroom at the Hilton Americas-Houston for a tasty variety of hot and cold hors d'oeuvres. Cocktails will be available at cash bars. This event is sponsored by area companies and Expo exhibitors, whose names will be prominently posted around the buffet tables. Please acknowledge their support by joining us for this opening event.

**Admission by Meeting Registration Badge**

*Registration is not required. Dress is casual. Just show up!*

## More Meeting Information

What's the best way to get to the Hilton? Where do I park? What amenities are available there?

Find the answer to these questions and more at the [Hilton Americas-Houston Hotel website](http://www.hilton.com)! Get personalized, turn-by-turn directions to the hotel using their map and directions tool. If the link does not work for you from this document, go to [www.hilton.com](http://www.hilton.com), and search for Houston hotels.



What about the George R Brown Convention Center?

Information on the GRB as well as the surrounding area can be found on their website as well:

<http://www.houstonconventionctr.com/>. If you haven't been downtown in recent years, there are all sorts of new restaurants and hip-and-happening places to see!



Do I have to drive there?

No! The [Houston Metro bus system](http://www.houstonmetro.net) has quite a few routes that drop off passengers right across the street, as well as nearby. Try the Trip Planner at <http://tripplanner.ridemetro.org/>, and select the George R Brown Convention Center as your destination.

**METRO**

Bus **82** drops off at Avenida De Las Americas @ Walker;  
Buses **108** and **313** drop off at McKinney @ La Branch;  
Buses **262** and **221** drop off at McKinney and Austin.

Make sure to schedule your return trip as well, particularly if you are planning to attend evening events.

## PDH Credits

Does attendance at the Spring National Meeting count toward my PE Continuing Education Credits?

You bet! Keep track of your attendance, and be sure to maintain a log of which sessions you attended. What a way to get all you need for your renewal!

The National AIChE organization is recognized by nearly all states as a provider of CE credits; check with your state to find out how credits obtained at the SNM will apply to other states' renewals.

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[www.HTRI.net](http://www.HTRI.net)

## Safe Reliable Energy Supply Luncheon (Tuesday)

**PROGRAM LUNCHEON**

The Overall Theme of the 2007 Spring National Meeting is **Energy Security**, and the Meeting Program Committee has invited two prominent speakers to make presentations on this topic at the first ever **Meeting Program Luncheon**. Our speakers will present traditional and futuristic views of developing a Reliable Safe Energy Supply.



Khalid Al-Buainain, Vice President, Engineering Services of Saudi Aramco, will present the topic "Saudi Aramco: A Globally Responsible NOC"

Dan Arvizu, Director U.S. Department of Energy's National Renewable Energy Laboratory will present the topic "Thinking Differently: Developing a New Energy Economy."



The Safe Reliable Energy Supply Luncheon, Event 203, will be held from 12:00 PM to 1:30 PM on Tuesday, April 24, in the Ballroom of the Americas D&E on the 2nd floor of the Hilton Americas-Houston Hotel.

The reduced price of \$20 per person has been made possible by a generous contribution from Saudi Aramco, one of the 2007 Spring National Meeting underwriters. Seating is limited to 300 attendees, so sign up today to take advantage of this fantastic opportunity. Use the button link above or visit the SNM website and click on Ticketed Events.

### Vital Links

Main South Texas Section site: <http://sts-aiche.org>

National AIChE website: <http://www.aiche.org/> (Needs Flash Plug-in)

Earn CEP credits at AIChE functions: [http://www.sts-aiche.org/Texas\\_PE\\_CEP\\_Rule.html](http://www.sts-aiche.org/Texas_PE_CEP_Rule.html)

Download the CEP log form: [http://www.sts-aiche.org/STS-AIChE\\_CEP\\_Log.xls](http://www.sts-aiche.org/STS-AIChE_CEP_Log.xls)

Previous Newsletters (PDF format): <http://sts-aiche.org/newsletterArchives.htm>

Link to THIS newsletter: <http://sts-aiche.org/newsletter/news2007/news0407.pdf>

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- **Monitor Performance of all PID Controllers** using Online



## Additional Meetings during and following the SNM

Two additional meetings can be attended at the end of the 2007 Spring National Meeting for an additional fee.

As the meeting progresses, the embedded management division sessions gear-up to usher in the co-located **2007 AIChE/ACS Management Conference**, "[Managing CPI Energy and Raw Material Uncertainties in a Global Context](#)." This conference, held April 25-27, will address the energy-related challenges facing the global chemical and related industries.

The **2007 AIChE/SPE Heavy Oil Workshop** will be held April 26-27. **Heavy oils challenge the limits of present technology** in production, transportation, and refining. This Workshop offers a forum where scientists, engineers and managers from up-stream and downstream can discuss ideas, concepts, and needs of technology to meet this challenge. The program will include formal presentations, break-out discussion groups, and social events to allow for frequent interactions in large and small numbers.

Following that, the **OTC** will be held at the Reliance Center April 30–May 3. To volunteer, see [pages 12-13](#) of this newsletter. To register, visit the **2007 OTC** web site <http://www.otcnet.org/2007/index.html>. Help out with the **2008 OTC**! See [page 11](#).

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## Are chemical engineers funny, or just funny looking?

You don't have to attend the Spring National Meeting to find out!

Tuesday evening, April 24, join the world's only two stand-up chemical engineer comedians, Dr. Sal Ranade and Dr Pete Ludovice for a Comical Engineering show! Anyone who could advertise with.....

*"Comical Engineering 101 is just what you need to energize after days of lectures on the six sigma project analysis of high speed adiabatic cooling of low molecular weight epoxy thermoset polymers"*

...has got to be hilarious!

The show is at the Hilton Americas-Houston Hotel. Doors open at 7:30 PM, and the show starts at 8 PM. The cost is \$15, attending the SNM or not, and is payable via cash or check at the door. A cash bar will be available. Please pre-register (SNM attendees, use Ticketed Events, and non-attendees please sign up on the STS website) so we know how well to stock the bar. See more info on this item on the [Evening Events page](#).

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## Two Great Energy Management Workshops from an International Leader in the Field!

**April 16-18: *Industrial Energy Management in the 21<sup>st</sup> Century***

**April 19-20: *Introduction to Pinch Analysis***



**Industrial Energy Management & Pinch Analysis  
From Rossiter & Associates**



Venue: Houston Engineering & Scientific Society,  
5430 Westheimer, Houston, TX 77056

Instructor: STS Member Alan Rossiter, Ph.D., P.E.,  
author of the *Energy Management* entry in the  
*Kirk-Othmer Encyclopedia of Chemical Technology*.

Additional details at:

<http://www.rossiters.org/associates/education>

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## Plant Tours Available through the SNM

### PLANT TOURS

#### TUESDAY, APRIL 24, 2007

##### **Kellogg Brown & Root Technical Center**

**TIME: 8:00AM-12:00PM**

**Item: 112**

**Cost: \$10**

Kellogg Brown & Root (KBR) has been active in Research and Development since the mid-1920's. Aimed originally at developing technology for the emerging petroleum refining industry, the field of application has increased over the years to include the petrochemicals and general chemicals industries and, more recently, the electric power generation industry.

The KBR Technology Center occupies ~ 70,000 sq ft of experimental and office accommodations situated on a 15-acre open site in the Park Ten Regional Business Center in Houston, Texas.

The plant tour will take approximately 4 hours total. Two hours of travel time will allow two hours for the site tour. The first half hour will consist of an overview of the facility and its mission. The next ninety minutes will consist of a walking tour of the pilot plant and laboratories conducted by Technology Center staff. The tour will offer a view of several working pilot-plants, including the ROSE™ (Residuum Oil Supercritical Extraction), Fluidized Catalytic Cracking, Transport Reactor Test Unit, Hydrocarbon Pyrolysis, Delayed Coker, Visbreaker/Thermal Cracker, Continuous Distillation, Batch Distillation, and Cold Flow Circulating Solids Models.

Visitors to the plant are to comply with the following rules: Closed-toed, flat, non-cloth shoes must be worn; Slacks are required for both men and women. Safety glasses with side shields are required for the plant tour and will be provided by KBR.

Note: **CAMERAS ARE NOT PERMITTED ON THIS TOUR.**

The KBR logo consists of the letters "KBR" in a bold, white, sans-serif font, centered within a solid red rectangular background.

#### TUESDAY, APRIL 24, 2007

##### **Lyondell Channelview Chemical Complex Tour**

**TIME: 1:00PM-5:00PM**

**Item: 114**

**Cost: \$10**

The Lyondell Chemical Company Channelview Complex is one of the largest petrochemical facilities in the Gulf Coast with approximately 1,800 employees and contractors and covering an area of almost 3900 acres.

The Channelview complex consists of two fully integrated facilities: The north side of the complex features two worldscale olefins units which manufacture ethylene, propylene, butadiene and benzene for Lyondell Chemical Company's Equistar business. The south side of the complex uses the feedstocks produced at the north plant to make propylene oxide, styrene monomer and other derivatives. Lyondell's chemicals are the building blocks for consumer products such as clothing, packaging that protects our food from spoilage and contamination, construction and home building materials, automotive parts, household furnishings and bedding. Lyondell is among the world's largest producers of ethylene and propylene oxide. This bus-guided tour will include the entire complex and give you a fascinating overview of the integration of the numerous unit operations within the complex. For more information on Lyondell, visit [www.lyondell.com](http://www.lyondell.com).



Note: All required safety apparel will be provided. Individuals interested in the tour must sign-up by noon on the previous day. A picture ID are required by Lyondell security and must be presented during the orientation prior to the tour. Dress is business casual.

#### WEDNESDAY, APRIL 25, 2007

##### **NASA Johnson Space Center**

**TIME: 12:00PM-5:00PM**

**Item: 116**

**Cost: \$10**

For attendees to the Spring National Meeting, NASA has agreed to a special tour of several working facilities at JSC. NASA will first guide us on a tour of the current and past Mission Control Centers, where ground-based specialists have tracked and controlled manned missions since the early Mercury and Gemini programs. Second, tour attendees will visit internal and external training mock-ups of the Space Station as well as partial gravity training facilities for extra-vehicular activity (EVA). Finally, NASA will take attendees on a tour of the Neutral Buoyancy Laboratory (NBL), the world's largest man-made pool. There are full-size mock-ups of the orbiter cargo bay, many Space Station elements, and hydraulic manipulators for the shuttle and station arms. We will be accompanied by a JSC chemical engineer as well as an official guide. The tour bus leaves at noon and returns at 5:00 PM to allow for three hours on site. It should be a very informative tour.

Note: For security purposes, attendees need to register in advance. US citizens need to have a valid driver's license, and non-US citizens need to have their passport. Guests should wear comfortable clothing (slacks for men and women) and closed shoes. Cameras are welcome.



## SNM Guest Program (Evening Events)

### EVENING EVENTS

#### MONDAY, APRIL 23, 2007

##### **THE CORKSCREW: A WINE TASTING** 6:00PM-10:00PM

Item 113

Cost: \$45

The Corkscrew is committed to tearing down the walls of mystique that surround wine. They offer a wide selection that ranges from value priced wines for Sunday pizza night to hard-to-find boutique wines to commemorate your special occasion. We have reserved their lounge room to showcase some of the world's finest wines that the owner will personally teach us about. Their stunning lounge with hand-painted mural and cozy seating provides the perfect backdrop for a nice social and candid evening. Meats and cheeses will be served as well to compliment the wine.

**PRE-REGISTRATION IS STRONGLY ADVISED, SINCE THE MAXIMUM IS 40 PEOPLE.**

Buses will leave from the Hilton Americas Hotel, front entrance, at 6:00pm. Return shuttle bus service to the Hilton will leave at the end of the evening. Dress is Business Casual.

#### TUESDAY, APRIL 24, 2007

##### **COMICAL ENGINEERING 101: A UNIQUE EXPERIENCE** 7:30PM-9:00PM

Item 115

Cost: \$15

The World's only two stand-up chemical engineer comedians (let's hope there aren't anymore) will appear together for the first time ever. Dr. Sai Ranade and Dr. Pete Ludovice are out to prove that chemical engineers can be funny and not just funny-looking. If you are a chemical engineer or have ever met one or wanted to be one, you will enjoy this light-hearted look at the world through the eyes of chemical engineers. Bring your pocket protectors and slide rules. There will be a test. (Not really!)

Doors open around 7:30pm with show beginning at 8pm in the Hilton Americas Houston, rooms 335A/B. Admission is \$15 and a cash bar is available. The event is easily accessible, no bus or fuss. Come on in for some fun, and bring spouses and friends! You may find additional information at [www.drpetecomedy.com/aiche07](http://www.drpetecomedy.com/aiche07).

**PRE-REGISTRATION IS STRONGLY ADVISED** to avoid the crowd at the door. Dress is Casual.

NOTE: **You do not have to attend the Spring National Meeting to enjoy this event!** If you are not going to the meeting, please sign up for this event at <http://sts-aiche.org/sts-comicaleng.htm>. We are using that form to keep track of those who will attend outside the SNM. Please make a reservation online so we can get an accurate head count. The cost is the same for SNM attendees and non-attendees. Payment can be made by cash or check at the door.

#### WEDNESDAY, APRIL 25, 2007

##### **HOUSTON SHIP CHANNEL CRUISE** 5:30PM-10:00PM

Item 117

Cost: \$25

Come see the world's largest complex of refinery and petrochemical plants while enjoying a twilight trip down the Houston Ship Channel on the M/V Sam Houston. The ship channel with the Port of Houston is the largest port in the nation for foreign tonnage and is directly responsible for more than 28,000 jobs and over a 3 Billion-dollar impact on the Houston economy. The list of companies that are located on the channel reads like a Who's who of process industries. Narration will be provided along the trip on the various industries, facilities and products. During the trip, barbecue and liquid refreshments will be served. The Shuttle bus will then return us to the downtown hotels.

**PRE-REGISTRATION IS STRONGLY ADVISED, SINCE THE MAXIMUM IS 50 PEOPLE.**

Buses will leave from the Hilton Americas Hotel, front entrance, at 5:30pm. Return shuttle bus service to the Hilton will leave at the end of the evening. **Identification is required for admittance.** They are strict about this; No ID, no admittance!

NOTE: The South Texas Section will have an **additional Ship Channel Tour** in June, as usual, for our local membership. Details will be provided in the May South Texan newsletter. Preliminary signup will be at the South Texas Section's May meeting on May 3.



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## Chemical Engineer Profile—Dr. Harry H. West

*Dr. Harry H. West (1943-2006)*

Dr. Harry H. West was a great friend. He brought with him excitement, energy and was always very humorous. He lived his life with enthusiasm. We were good friends since the 1960s as graduate students at the University of Oklahoma.

He was the Chair for the Fuels and Petrochemicals Division of the American Institute of Chemical Engineers and was active in the South Texas Section. He helped me tremendously in LNG sessions for AIChE. We co-edited a special September 2005 issue of Process Safety Progress on LNG Safety for AIChE.

Dr. West gave selflessly to assist the activities and programs of the Mary Kay O'Connor Process Safety Center from the very first day that the Center opened its doors at Texas A&M University. Since 1970, Dr. West's industrial experience began with providing systems design and site audits for LNG and LPG facilities. Dr. West was world-renowned and had more than 35 years of experience. He provided consulting engineering services for petrochemical and chemical production, storage, and transportation facilities, including refineries, chemical process plants, petroleum production, on-shore and offshore, above ground and underground storage, pipelines, rail cars, tank trucks, and marine tankers. He was involved in over 20 peak-shaving or baseload LNG plants worldwide, ranging from conceptual design to regulatory approval to operational trouble-shooting assignments.

Dr. West was the leader of the group that introduced Quantitative Hazards Analysis to the petrochemical process industry. Over the past decades he participated in more than 100 catastrophic process accident investigation teams, both domestically and internationally, he was recognized as one of the few process control experts with forensic experience.

For AIChE, Dr. West co-authored the text "Guidelines for Process Safety Operations & Maintenance", and was an Instructor for the Continuing Education course entitled "Management of Change," a two-day seminar offered several times per year in conjunction with AIChE conferences. A similar course was developed through the Mary Kay O'Connor Process Safety Center at Texas A&M University.

Dr. West was a faculty member at the University of Pittsburgh, University of Oklahoma, University of Texas, and Texas A&M University. He was a guest lecturer at the Texas A&M campus in Qatar just before his passing.

In Washington DC, he spoke on behalf of the current energy bill as well as being a consultant to OSHA for the U.S. Coast Guard. He worked on patents regarding environment safety and disposal. Dr. West was Founder and President of Shawnee Engineers. He was the former President and Technical Director of EDG Engineering with offices in Houston, Tulsa, London, Cairo, and Abu Dhabi (ranked among the top 100 design companies in the world), a Cofounder of Energy Analysts, a member of the founding group of ChemShare Corporation, a senior staff member of University Engineers, and research assistant in the Flame Dynamics Laboratory. He was an author of more than 80 technical papers on systems safety analysis, hazards assessment, process safety management, and process safety automation.

Additionally, Dr. West prepared and taught process safety engineering short courses on both an open enrollment basis and for individual corporations. As a volunteer Adjunct Professor of Chemical Engineering at Texas A&M University, Dr. West was involved in directing graduate students in process safety studies.

**We dedicate this Natural Gas Topical Conference of 2007 to Dr. Harry H. West.**

Dr. Chen-Hwa Chiu  
Editor of the Proceedings  
Natural Gas Topical Conference  
AIChE Spring Meeting, April 2007

*Editor's note: Thanks to Dr. Chiu for his submission on Dr. West. The STS is proud to recognize such an accomplished contributor to the chemical engineering profession, particularly in the Houston area.*



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## Spring National Meeting Volunteer Form

Can you volunteer for the Spring National Meeting? AIChE will offer free parking for the day of your volunteering. Complete this form, and either print/send or email to David Wainwright the address shown.



## On-Site Volunteer Registration Form AIChE 2007 Spring National Meeting Hilton Americas-Houston Hotel *Paid Parking*

Name	_____
Affiliation	_____
Daytime Phone	_____
Evening Phone	_____
Cell Phone	_____
E-Mail Address ( <b>Required</b> )	_____

Please check the day(s) and time interval(s) available to volunteer at the Spring National Meeting:

Saturday, April 21	<input type="checkbox"/> 7:15 AM to 12:00PM	<input type="checkbox"/> 12:00 PM to 5:30 PM
Sunday, April 22	<input type="checkbox"/> 7:00 AM to 12:00 PM	<input type="checkbox"/> 12:00 PM to 6:30 PM
Monday, April 23	<input type="checkbox"/> 6:30 AM to 1:30 PM	<input type="checkbox"/> 1:30 PM to 4:00 PM
Tuesday, April 24	<input type="checkbox"/> 6:30 AM to 1:30 PM	<input type="checkbox"/> 1:30 PM to 4:00 PM
Wednesday, April 25	<input type="checkbox"/> 7:30 AM to 12:00 PM	<input type="checkbox"/> 12:00 PM to 4:00 PM
Thursday, April 26	<input type="checkbox"/> 7:30 AM to 12:00 PM	<input type="checkbox"/> 12:00 PM to 4:00 PM
Friday, April 27	<input type="checkbox"/> 7:30 AM to 12:00 PM	

Please print, complete, and send this form to: David Wainwright  
109 Honeysuckle  
Lake Jackson, TX 77566-6124

979-491-2259 (day) / 979-297-1911 (evenings)

Or e-mail the information to him at: [dewain@intergate.com](mailto:dewain@intergate.com)

(To email this form, either Print, complete, scan in, and send as an attachment, or use a PDF editor to save this page from the newsletter, enter text boxes to complete form information, and send the saved page as an attachment).

Thanks for volunteering!

## Offshore Technology Conference - call for 2008 subcommittee participants

### Planning session scheduled Tuesday, May 1, 2007

Founded in 1969, the Offshore Technology Conference is the world's foremost event for the development of offshore resources in the fields of drilling, exploration, production, and environmental protection. OTC is held annually at Reliant Center in Houston.

OTC ranks among the largest 200 trade shows held annually in the United States and is among the 10 largest meetings in terms of attendance. Attendance consistently exceeds 50,000, and more than 2,000 companies participate in the exhibition. OTC includes attendees from around the globe, with more than 110 countries represented at recent conferences.

OTC is sponsored by 12 industry organizations and societies who work cooperatively to develop the technical program each year. OTC also has two endorsing organizations and six supporting organizations. OTC is governed by a Board of Directors made up of 13 representatives, 11 from OTC's sponsoring organizations and two from OTC's endorsing organizations.

AIChE's co-sponsorship of *this year's* Offshore Technology Conference, to be held from April 30 - May 3 right after the Spring National meeting, continues the Institute's tradition of reaching out to this vital sector of the energy industry.

Each year the Program Committee of the OTC organizes the technical sessions and topical luncheon speakers for the conference. The Program Committee is made up of subcommittees from each of the 11 sponsoring organizations.

AIChE's subcommittee has scheduled a planning session for the 2008 OTC. The meeting is scheduled to take place during the 2007 OTC, on Tuesday, May 1, 2007, 5:00 to 6:00 pm, in Reliant Center, Room 503. All interested parties are invited, but please call and / or email George Montgomery (281-870-5413, email: [gimontgomery@mcdermott.com](mailto:gimontgomery@mcdermott.com)) to advise of your attendance plans or for more information on how to get involved with AIChE's subcommittee of the OTC Program Committee.

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**Day 1:** Assessing LNG Risks — Designed to provide a non-technical overview of LNG Hazards and Risks.

### Topics

- ▶ What is LNG?
- ▶ LNG Facts and Myths
- ▶ International LNG Regulations
- ▶ Understand Hazards, Manage Risk
- ▶ Major LNG Incidents Summary
- ▶ Facility Siting and Layout
- ▶ Facility Hazards Assessment
- ▶ Risk Mitigation Measures

**Day 2:** LNG Properties & Potential Hazards — Designed to provide a technical review of test results and modeling techniques.

### Topics

- ▶ Flammability & Explosion Properties of LNG Components
- ▶ LNG Rollover
- ▶ Large Scale LNG Spill Tests
- ▶ LNG Release Rates
- ▶ The Spreading of LNG on Land & Water
- ▶ Rapid Phase Transition
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## Call for Volunteers—2007 Offshore Technology Conference (OTC) - 1 of 2

It is again time to think about volunteering for the 2007 Offshore Technology Conference which will be held at Reliant Center beginning on Monday, April 30 and ending on Thursday, May 3, 2007. While the South Texas Section of AIChE had no direct involvement in the OTC this year, I am still looking for OTC volunteers.

Gordon Sterling of the ASCE, this year's Arrangements Chair, has given us permission to recruit volunteers for 2007 Arrangements Conduct Committee. I realize that some of you prefer to volunteer for the Registration Committee and we will try to obtain the same permission to recruit volunteers for the 2007 OTC Registration Conduct Committee. Please indicate your preference on the information form on [the following page](#).

As usual, volunteers will receive a complimentary OTC registration and parking pass, both of which are valid all four days of the OTC. In return, you will be asked to attend a short orientation meeting prior to the OTC. You will be given a badge and parking pass in return for working either a morning or afternoon Arrangements Committee assignment to a technical session or a Registration Committee shift during the OTC. For more information on the 2007 OTC, visit the site <http://www.otcnet.org/2007/>.

Details on the 2007 OTC Technical Program may be found at <http://www.otcnet.org/2007/technical/index.html>.

If you wish to participate as a volunteer for a 2007 OTC Conduct Committee, complete the form on [the next page](#), and email to [thomasmenn@sbcglobal.net](mailto:thomasmenn@sbcglobal.net).

We also may need about 5 or 6 volunteers to help **staff the AIChE Booth** in the Lobby of Reliant Center. As in the past, AIChE will reimburse for parking for the day you staff the booth and provide one day free passes to cover the registration. Contact me at the email address below if you are available to staff the booth.

Again, thanks for volunteering for the OTC in the past.

Tom Menn, STS AIChE OTC Contact

[thomasmenn@sbcglobal.net](mailto:thomasmenn@sbcglobal.net)



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## Call for Volunteers—2007 Offshore Technology Conference (OTC) - 2 of 2

Below is a form designed to provide enough information to allow an OTC Conduct Committee Chairman to complete and submit each OTC Conduct Committee Volunteer's Registration Form. Technical Session or Shift assignments will be made at a later date when the technical program and the volunteer's input have been received.

### 2007 Offshore Technology Conference Arrangements or \_\_\_\_\_ Conduct Committee Reliant Center -- Houston, Texas April 30 thru May 3, 2006

Arrangements or \_\_\_\_\_ Committee Volunteer Information Form (Committee Use Only)

**Please Print:**

\_\_\_\_\_  
Registrant's Last Name (Family Name)

\_\_\_\_\_  
First Name (Forename)

\_\_\_\_\_  
Middle Initials

\_\_\_\_\_  
Title or Position

\_\_\_\_\_  
Company

\_\_\_\_\_  
Company P.O. Box or Mailing Address or Personal Mailing Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State/Province

\_\_\_\_\_  
Zip/Postal Code

\_\_\_\_\_  
Country

\_\_\_\_\_  
Telephone Number (include area code and/or country and city code)

\_\_\_\_\_  
Facsimile (include area code and/or country and city code)

\_\_\_\_\_  
Cell Phone or Pager Number

**< Optional & for Committee Use Only!**

Day & Time that you wish to work: \_\_\_\_\_

If Arrangements, indicate at least three session numbers

**Sponsoring Societies (Check all those that you are a member of):**

- \_\_\_\_\_ American Association of Petroleum Geologists
- \_\_\_\_\_ American Institute of Chemical Engineers
- \_\_\_\_\_ American Society of Civil Engineers
- \_\_\_\_\_ ASME International Petroleum Technology Institute
- \_\_\_\_\_ Institute of Electrical and Electronics Engineers—Oceanic Engineering Society
- \_\_\_\_\_ Marine Technology Society
- \_\_\_\_\_ Society of Exploration Geophysicists
- \_\_\_\_\_ Society for Mining, Metallurgy, and Exploration Inc.
- \_\_\_\_\_ Society of Naval Architects and Marine Engineers
- \_\_\_\_\_ Society of Petroleum Engineers
- \_\_\_\_\_ The Minerals, Metals, and Materials Society

This form is intended to provide enough information for the Arrangements Chairman to fill out an OTC Conduct Committee Registration Form for you. If you wish to purchase tickets to certain events or proceedings, please visit the OTC site <http://www.otcnet.org/2007/>.

Copy, Complete, and E-Mail this completed form to [thomasmenn@SBCGlobal.net](mailto:thomasmenn@SBCGlobal.net).

# South Texas Section AIChE

South Texas Section  
P. O. Box 1741  
Deer Park, TX 77536-1741

## 2007 Officers and Contact Info

**Chair** David Karesh, Jacobs Engineering  
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**Chair Elect** David Silarski  
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**Past Chair** Lawrence Chriswell, Keelson Co.  
[past-chair@sts-aiche.org](mailto:past-chair@sts-aiche.org)

**Secretary** Kevin Hagan, S&B E&C  
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**Treasurer** Shane Tierling, KBR  
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## Executive Committee

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## Volunteers

**Arrangements** Richard Newman, Criterion Catalysts

**Membership** Jerry Gresham, Gresham & Gresham

**Young Professionals** Susan Kerr  
Peter Strasser

**Awards** Tom Menn

## 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 2008

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

1. Increasing awareness of the South Texas Section of the AIChE
2. Improving relevancy of our programs
3. Improving our governance
4. Hospitality/Welcome/Social

*The South Texan* is issued monthly, except June, July and August, by the American Institute of Chemical Engineers, South Texas Section. Opinions expressed are those of the authors and not of AIChE.

The newsletter is published electronically.

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## *The South Texan* Newsletter Crew

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

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

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