



Conference Preview



SPE AMERICAS 2011
E&P HEALTH / SAFETY / SECURITY / ENVIRONMENTAL
CONFERENCE

21-23 MARCH 2011 / HOUSTON, TEXAS, USA

www.spe.org/events/hsse

Society of Petroleum Engineers





WELCOME FROM THE CHAIRPERSONS

Dear Colleagues,

On behalf of the executive advisory committee, we invite you to attend the **2011 SPE Americas E&P Health, Safety, Security, & Environmental Conference (HSSE)**, to be held 21–23 March 2011 in Houston, Texas, USA.

The E&P industry continues to encounter new frontiers and environmental pressures that are changing how we do business. Increasingly, environmental and safety performance is becoming a source of corporate value, especially as the oil and gas industry plays a key role in addressing some of the most important HSE issues of our time. In recognizing these issues and ideas, we are proud to address and confront the questions and challenges in our conference.

Our exploration and production industry has experienced massive amounts of scrutiny, challenges, and changes in the past year. Endeavors such as drilling in water depths unheard of, and producing from shale deposits once thought uneconomical, have forced our industry experts to search for safe and economical avenues to produce.

This year's conference offers an expanded exhibition and a Monday networking luncheon—both to give you more opportunities to network and learn about the latest products and services in the industry.

The American Society of Safety Engineers, the American Society of Safety Engineers (ASSE), International Association of Oil & Gas Producers (OGP), and the Gulf Coast Environmental Affairs Group (GCEAG) are proud to be supporting organizations of HSSE.

We look forward to seeing you at SPE Americas E&P HSSE Conference 2011!

Sincerely,

Rennie Heath, Green SEED Energy

Jimmy Schwing, Shell

CONFERENCE FOCUS

The E&P industry must meet high performance standards for sustainability in environmental protection, public and worker health and safety, and facility security. This conference presents the trends and direction of our industry through keynote presentations, technical and panel sessions, and exhibits. Attend this conference and learn how HSSE plays a key role in the oil and gas industry.

WHO SHOULD ATTEND

- HSSE specialists
- HSSE engineers
- Safety and operational managers
- Environmental professionals
- Business development managers
- Educators
- Scientists

TOPICS COVERED

- Worksite hazard management
- Environmental issues
- Management's support of safety
- Process safety
- Water quality
- Managing carbon emissions
- Sustainable exploration and production

SUPPORTING ORGANIZATIONS



International
Association
of Oil & Gas
Producers



Gulf Coast Environmental
Affairs Group

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PROGRAM COMMITTEE

Chairpersons

Rennie Heath, Green SEED Energy

Jimmy Schwing, Shell

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Natenna Dobson, DOE – Office of Oil & Natural Gas

Barbara Dougherty, Consultant

Emmanuel Garland, Total

Dane Geyer, Bureau of Land Management

Mike Godec, Advanced Resources International

Tersoo Gwaza, Shell Petroleum Development

Mark Hansen, Range Resources

Greg Hardin, Occidental Oil & Gas

Bill Hochheiser, ALL Consulting

George Holliday, Holliday Environmental Services

Bill Hughes, Parsons Corporation

Lamar Hutchinson, Bulldog Safety Services

Deonarine Jaggernauth, Petrotrin

Paul Jehn, Ground Water Protection Council

Laura Johnson, ExxonMobil

Jim Johnstone, Contek Solutions

Fred Jones, Environmental Resources Management

Janeen Judah, Chevron

Jill Kerr, ExxonMobil

Bill Knight, Pioneer Natural Resources

Tom Knode, Halliburton

James Robinson, Consultant

Selena Schmidt, Paducah Remediation Services

Trey Shaffer, Environmental Resources Management

Mark Shemaria, Consultant

Mike Thompson, BP

John Veil, Argonne National Laboratory

Andrew Wojtanowicz, Louisiana State University

Mike Worden, Bureau of Land Management



 **SCHEDULE OF EVENTS** (as of 20 December 2010)

Monday, 21 March

0700–1800	Registration
0700–1700	Speaker Check-in
0830–1000	Plenary Session
0930–1830	Table Top Exhibits
1000–1030	Coffee Break/Knowledge Sharing ePosters
1015–1530	Young Professional Program
1030–1200	Technical Sessions
1200–1330	Networking Luncheon
1345–1515	Technical Sessions
1515–1545	Coffee Break/Knowledge Sharing ePosters
1545–1715	Technical Sessions
1730–1830	Welcome Reception

Tuesday, 22 March

0700–1700	Registration
0700–1700	Speaker Check-in
0830–1000	Plenary Session
0930–1545	Table Top Exhibits
1000–1030	Coffee Break/Knowledge Sharing ePosters
1030–1200	Technical Sessions
1215–1330	Keynote Luncheon
1345–1515	Technical Sessions
1515–1545	Coffee Break/Knowledge Sharing ePosters
1545–1715	Technical Sessions

Wednesday, 23 March

0700–1230	Registration
0700–1230	Speaker Check-in
0800–0930	Plenary Session
0930–1000	Coffee Break/Knowledge Sharing ePosters
1000–1230	Technical Sessions

SPECIAL EVENTS

Young Professionals Session

Monday, 21 March • 1015–1530

Building a Collaborative HSSE Culture Across the Industry

What would be your approach to drive better performance and gain industry alignment in regards to HSSE? Regulators, the public, and government often judge our industry as the lowest performers. Do you have any ideas on how to build a consistent and collaborative culture across the industry so that everyone shares the same objectives of reducing safety incidents to zero and protecting the environment? If so, can this be done without sacrificing individual companies' competitive advantages or antitrust concerns? The topic scope includes all aspects of HSSE and all types of industry companies, including operators, drillers, and service companies.

This session starts with brief presentations from industry experts who provide background on some of the challenges associated with aligning industry HSSE performance expectations. Participants then break out into teams to develop an approach or idea to address this challenge.

Speakers

Jack Toellner, Senior Technical Advisor-Safety, ExxonMobil

Tom Knode, HSE Manager, Halliburton

Judy Freeman, Principal, Green SEED Energy

Mike Thompson, Safety Manager, BP

Networking Luncheon

Monday, 21 March • 1200–1330

Join us at the networking luncheon for an opportunity to network with professionals from the HSSE industry!

Welcome Reception

Monday, 21 March • 1730–1830

Explore the newest HSSE technologies and preview the exhibiting companies during the welcome reception. This event is an exclusive opportunity for attendees to visit with exhibitors and enjoy appetizers and beverages.

Keynote Luncheon

Tuesday, 22 March • 1215–1330

Join us at the Keynote Luncheon to hear an industry expert.

Knowledge Sharing ePosters

We invite you to join us for the Knowledge Sharing ePosters, which take place during the coffee breaks on Monday, Tuesday, and Wednesday.

An ePoster is an electronic version of a traditional poster presented on a plasma screen. It offers the added benefit of animation, audio, and video and enhances the visual experience to provide greater interactivity between the attendee and the poster author.


CONFERENCE REGISTRATION
Register by 28 February and save USD 100 on your full conference registration.

Conference participants are encouraged to register at www.spe.org/events/hsse. SPE accepts American Express, Visa, MasterCard, and Diners Club credit cards. You may also contact SPE at +1.972.952.9393 ext 216 or registration@spe.org to receive a printed registration form via mail, fax, or email.

Refund Deadline

SPE must receive cancellation/refund requests in writing by **7 March**. Send requests by mail to SPE, PO Box 833836, Richardson, TX 75083, by email: registration@spe.org, or by fax to 1.866.460.3032 (toll-free US/Canada) or +1.972.952.9292.

Badge Pickup

All domestic and international attendee badges will be held for pickup on-site during the registration hours at the registration counter. Please be prepared to show photo ID (passport or driver's license) in order to pick up your conference badge.

Registration fees are in US Dollars (USD).

Registration Type	By 7 March	After 7 March
Full Registration		
SPE Member*	575	675
Nonmember*	675	775
Presenting Author*	475	475
Spouse***	50	50
Student (w/ valid college ID)**	50	50
Young Professionals Program***	50	50
1-Day Option (Monday or Tuesday)		
SPE Member, 1-Day***	375	475
Nonmember, 1-Day***	475	575
1-Day, Presenting Author	240	240
<p>* Full registration fees include exhibition, technical sessions, coffee breaks, luncheons, reception, and the Proceedings.</p> <p>** Does not include Keynote luncheon ticket.</p> <p>*** Does not include Proceedings or Keynote Luncheon.</p> <p>Additional keynote luncheon tickets may be purchased for USD 50 each. Additional Proceedings may be purchased for USD 75 (members) or USD 85 (nonmembers) each.</p>		

ACCOMMODATIONS AND TRAVEL

The Westin Galleria

5060 West Alabama
Houston, Texas 77056
Ph: +1.713.960.8100
Fx: +1.713.960.6549

Local Airports

- William P. Hobby Airport
- George Bush Intercontinental Airport

Transportation To and From the Airports

Taxi from Hobby Airport: USD 46

Taxi from Bush Intercontinental Airport: USD 60

Courtesy Vans: operated by the various hotels in and around the airport. Use the courtesy telephones in the baggage claim area to request pick-up for most hotels in the airport area.

SuperShuttle: ground transportation services at George Bush Intercontinental and William P. Hobby airports. Visit www.supershuttle.com for more information.

Driving Directions to Westin Galleria

From South

Take Highway 59 North to Loop 610 North and exit at Westheimer. Turn left onto Westheimer, then turn left onto Sage. Turn left onto West Alabama, and the hotel is on the left.

From West


Take Interstate 10 East to Loop 610 South and exit at San Felipe/Westheimer. Turn right onto Westheimer, then turn left onto Sage. From Sage, turn left onto West Alabama. The hotel is on the left.



The Society of Petroleum Engineers (SPE)

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose members are engaged in energy resources development and production. SPE serves 92,000-plus members from more than 117 countries worldwide. SPE is a key resource for technical knowledge related to the oil and gas exploration and production industry and provides services through its publications, conferences, workshops, forums, and website at www.spe.org.



 **EXHIBITORS** (As of 20 December 2010)

Bureau Veritas
Clariant Oil Services
Fleet Management Solutions
Horizon Marine, Inc.
IHS, Inc.

Medilink International (Institute of Health & Safety)
Micropack Detection (Americas) Inc.
Operational Sustainability, LLC
Reality Mobile

 **ADVERTISING, EXHIBITING, AND SPONSORSHIP OPPORTUNITIES**

Is your company a leader in HSSE technology? If so, take advantage of one of our available sponsorships or have our sales team develop a customized sponsorship that will expose your company's technology to knowledgeable attendees within the industry.

Sponsorship Opportunities

- Conference Sponsor
- Titanium, Platinum or Gold Sponsors
- Proceedings Sponsor
- Luncheon Sponsor
- Hotel Key Cards Sponsor
- Reception Sponsor
- Student Activities Sponsor
- Young Professionals Program Sponsor

Visit www.spe.org/events/hsse to view all sponsorship opportunities.

Advertising Opportunities

- Conference On-site Program: Increase your marketing efforts while at HSSE and drive more traffic to your exhibit stand.
- Conference Website: Reach professionals with an interest in HSSE technologies as they navigate on the website.

For a sponsorship to be promoted in the on-site program and Proceedings, the contract, company logo and 50% deposit must be received prior to 7 February 2011. Advertising materials must be received prior to 14 February 2011.

For more information, contact the SPE sales team:

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 **TECHNICAL PROGRAM** (As of 20 December 2010)

Monday, 21 March

0830–1000

PLENARY SESSION: LEARNING FROM THE DEEPWATER HORIZON INCIDENT RESPONSE

Moderators:

Bill Hughes, Parsons

Tom Knode, Halliburton

Speakers:

Steve Flynn, Vice President of Health, Safety, Security and Environment, BP

James Hanzalik, Captain, US Coast Guard

Michael Maher, Upstream Issues Advisor, ExxonMobil

The recent incident in the US Gulf of Mexico will be a watershed moment for our industry. We have already seen changes in the structure of regulating agencies, a drilling ban, and newly proposed rules. What are the lessons we have learned from this event and what should we expect to see? Industry experts will discuss the event, and what can be done to prevent and be better prepared to react to future incidents.

Monday, 21 March

1030–1200

SUSTAINABLE EXPLORATION AND PRODUCTION

Session Chairpersons:

Mike Godec, Advanced Resources International

Mark Shemaria, Consultant

Oil and gas exploration is being done in a sustainable manner, with many opportunities to increase the sustainability of operations. This conference has been a consistent forum for discussing sustainable practices including land restoration, drilling materials management, and wetland preservation.

Monday, 21 March

1030–1200

OCCUPATIONAL HEALTH AND SAFETY I

Session Chairpersons:

Deonarine Jaggernauth, Petrotrin

Rennie Heath, Green SEED Energy

Safety has now leaped to the front of the class, but not for good reasons. Energy personnel are now gripped in critically examining all aspects of safety in the industry to ensure no more accidents like the one in the Gulf of Mexico occur again.

Monday, 21 March

1030–1200

PANEL SESSION: NEI AND SUBPART W: 2011 EPA REGULATORY ENFORCEMENT INITIATIVES

Moderators:

Trey Shaffer, Environmental Resources Management

Jim Johnstone, Contek Solutions

Beginning on 1 January 2011, the EPA will begin a National Enforcement Initiative (NEI) aimed at assuring Energy Extraction Sector Compliance with environmental laws. EPA's Greenhouse Gas (GHG) Mandatory Reporting Rule (MRR) is EPA's framework regulation for capturing GHG data from direct emitters and from fuels and industrial gases sold in the U.S. This panel discussion will highlight both the NEI and Subpart W and will provide information on the evolving regulations, implementation of the mandatory EPA reporting tool, progress on the NEI, and a recommended path forward to ensure timely compliance.


TECHNICAL PROGRAM (As of 20 December 2010)

Monday, 21 March

1345–1715

HSE MANAGEMENT SYSTEMS AND RISK REDUCTION**Session Chairpersons:****Trey Shaffer**, Environmental Resources Management**Bill Knight**, Pioneer Natural Resources

How does the operator, project manager, and/or drilling manager control HSE issues and impacts to a minimum and how can we reduce risk utilizing HSE Management Systems. This session will explore these aspects of HSE Management Systems in upstream oil and gas operations.

Monday, 21 March

1345–1715

STUDENT PAPER CONTEST**Session Chairpersons:****Andrew Wojtanowicz**, Louisiana State University**Jill Kerr**, ExxonMobil

The papers in this student competition will target a broad range of environmental or health & safety issues in E&P operations, including pollution prevention, E&P process modification/control to prevent pollution, waste management, remediation, and environmental risk/impact assessment.

Monday, 21 March

1345–1715

PANEL SESSION: HOW WILL LEGISLATION, REGULATIONS, AND GOVERNMENT POLICIES AFFECT THE OIL AND GAS INDUSTRY IN 2011?**Moderators:****Bill Hochheiser**, ALL Consulting**John Veil**, Argonne National Laboratory

Although SPE focuses on technologies, practices, and procedures, much of the basis for developing these items originates in legislation, regulations, or policy determinations. National elections in the United States in November 2010 may result in a shift in political power in Washington. If this happens, a suite of new legislative and regulatory proposals and policy directives can be anticipated in 2011 and beyond. Many of these issues can have an important impact on the oil and gas industry in the areas of environment, health, and safety. In this session, a panel of speakers will offer their impressions on how changes resulting from the elections will influence activities and operations in the oil and gas industry.

TECHNICAL PROGRAM (As of 20 December 2010)

Tuesday, 22 March

0830–1000

**PLENARY SESSION: RESTORING OUR
INDUSTRY'S REPUTATION**

Moderators:

Trey Shaffer, Environmental Resources Management
Rennie Heath, Green SEED Energy

Speakers:

Paul Krishna, Environmental Programs Manager,
ExxonMobil
Caleb Wall, Environmental Resources Management

The year 2010 has arguably been a watershed moment for the Oil & Gas industry. The industry is becoming increasingly challenged by the reputational and social aspects of complex project development. These challenges combined with substantial loss of market capitalization during the course of 2010 has created an imperative for the industry to take proactive steps to restore its reputation. This session will look at what the industry is currently doing and should do to restore its reputation. This session will also present perspectives and insights from other sectors that have faced similar challenges.

Tuesday, 22 March

1030–1200

ENVIRONMENTAL POTPOURRI

Session Chairperson:

Andrew Wojtanowicz, Louisiana State University

A myriad of environmental issues are encountered in E&P activities, including compliance issues such as green house gas reporting and solvent management from maintenance activities, to applying geologic principles to better-understand contamination issues.

Tuesday, 22 March

1030–1200

**HSE MANAGEMENT SYSTEMS AND SAFETY
ISSUES**

Session Chairpersons:

Jill Kerr, ExxonMobil
Deonarine Jaggernauth, Petrotrin

What are the latest safety aspects and controls that are being incorporated into HSE management systems? This session explores the world of safety management as it relates to HSE management systems.

Tuesday, 22 March

1030–1200

**PANEL SESSION: RESPONSIBILITY IS GOOD
BUSINESS**

Moderators:

Rennie Heath, Green SEED Energy
Kathy Seabrook, Global Solutions

Speaker:

Kathy Seabrook, President, Global Solutions

HSE professionals will discuss the necessity/responsibility of providing transparency in business to the fullest extent possible. These are times when management of information and media is essential.

Tuesday, 22 March

1345–1715

PRODUCED WATER MANAGEMENT

Session Chairperson:

Bill Hochheiser, ALL Consulting

Produced water management has always been a challenge for environmental professionals in the E&P industry. The demand for innovative solutions continues to increase with the evolution of regulations coupled with the increases in activity in new frontiers such as shale-gas production and carbon sequestration.

**TECHNICAL PROGRAM** (As of 20 December 2010)

Tuesday, 22 March

1345–1715

OCCUPATIONAL HEALTH AND SAFETY II**Session Chairpersons:****Deonarine Jaggernaut**, Petrotrin**Jim Johnstone**, Contek Solutions

Safety has now leaped to the front of the class, but not for good reasons. Energy personnel are now gripped in critically examining all aspects of safety in the industry to ensure no more accidents like the one in the Gulf of Mexico occur again.

Tuesday, 22 March

1345–1715

SAFETY & SECURITY**Session Chairpersons:****Trey Shaffer**, Environmental Resources Management**Mike Thompson**, BP

Safety and Security are critical success factors in today's operating environment. Many will agree that safety and security are core values of the oil and gas industry; however, the headlines of 2010 suggest that more work is needed to improve the industry culture around safety and security.

Wednesday, 23 March

0800–0930

PLENARY SESSION: HYDRAULIC FRACTURING AND CHEMICAL ADDITIVES**Moderators:****Bill Hochheiser**, ALL Consulting**John Veil**, Argonne National Laboratory**Speaker:****Dick Francis**, Manager Regulatory Policy Onshore US, Shell

With the large increase in shale gas wells over the past decade, the term "hydraulic fracturing" has moved from an industry phrase to part of mainstream culture. Many groups have shown strong opposition to new oil and gas development, with the hydraulic fracturing process, and especially the chemical additives used in the process, being perceived to pose the highest environmental and health impact. Industry, regulators, and environmental NGOs have different views as the necessity of reporting the composition and volumes of fracturing chemicals to regulators and the public and just what should be reported and to whom. New requirements have been imposed by some states, and proposals for further reporting have been made at the state and federal levels. Some producing companies have voluntarily started reporting their use of fracturing chemicals. This plenary session features several speakers who will describe different aspects of the hydraulic fracturing process, including the types of chemical additives that are used, and the different positions on chemical reporting.

 **Preliminary Technical Program** (As of 20 December 2010)

Wednesday, 23 March

1000–1230

RESPONSIBILITY IS SOCIALLY ACCEPTABLE

Session Chairpersons:

Rennie Heath, Green SEED Energy

Omolayo Badru, Shell

Presentations include social risks, business transparency due diligence and maintaining social responsibility while maintaining your competitive advantage.

Presenters will draw on case studies.

Wednesday, 23 March

1000–1230

HSE MANAGEMENT SYSTEMS PROCESSES

Session Chairpersons:

Jill Kerr, ExxonMobil

Mark Shemaria, Consultant

What are the processes that are being modified and updated to make HSE management systems effective in today's oil and gas world. This session explores the newest trends in HSE management system processes.

Wednesday, 23 March

1000–1230

PANEL SESSION: DEEPWATER HORIZON INCIDENT RESPONSE: ACTIONS AND EXPECTATION

Moderators:

Bill Hughes, Parsons

Mike Thompson, BP

Speakers:

Ken Beard, Project Manager, Parsons

Jacqueline Michel, President, Research Planning

Mike Cortez, Technical Manager, BP

Tim Nedwed, ExxonMobil

Following-on from the opening Plenary Session, industry specialists that were immersed in the incident response will describe challenges and successes around the response to a once-in-a-generation event. They will also discuss the long-term expectations regarding the residual effects of the incident.

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www.spe.org/store

FEATURED TITLE



Best Practices in HSE

Reprint Series No. 62

Edited by Dean Slocum

This CD of reprinted papers covers the industry's most significant HSE challenges.

- Greenhouse Gases/Climate Change
- Integrated Impact Assessment
- Infectious Diseases
- Leadership
- HSE Performance Management
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