

PSC

ENFORM PETROLEUM SAFETY CONFERENCE



> PSC Session Summaries



May 2-4, 2017

Banff Centre – Banff, Alberta

Pre-Conference Workshops May 1 & 2



By industry, for industry



The Safety Association for Canada's Upstream Oil and Gas Industry

Conference Sessions

All conference sessions listed in this section are included as part of the delegate fees and are listed in order of appearance. All sessions will be held in the Max Bell Building.

Tuesday, May 2

➤ **Up in Smoke! Marijuana at Work**

Dr. Charl Els, Jennifer Miller, Ed Secondiak

3:00 PM – 5:00 PM

The legalization of marijuana will have significant impact in the workplace. What do you need to know and what are your responsibilities considering the pending policy changes? This pre-conference session will examine this issue from a medical, legal, human rights and safety perspective.

➤ Wednesday, May 3

Opening Remarks / Keynote: Lessons from the Fire

Darby Allen

8:30 AM – 10:00 AM

As the Regional Fire Chief during the Fort McMurray wildfire, Darby Allen gained international attention and praise for how he spearheaded the evacuation of residents to safety, working tirelessly with first responders and volunteers who came from across the nation to assist. And as people around the world watched the wildfire's development, Darby's updates were not only a means of information, but a source of optimism.

In this session, he'll provide insight into the rapid decision making process, significant situations as they occurred, and breakdown what happened on a daily basis, as well as share personal stories and tips regarding crisis management.

Wednesday sessions continued

➤ **Corporate Crisis Leadership & The Decision Making Process**

Greg Solecki

10:45 AM – 11:30 AM

Your company is going to experience an emergency or crisis, or worse yet a disaster, guaranteed. You should do everything you can to ensure the safety of employees and continuity of systems. Inevitably, you will have to spend as much time developing staff competencies on Crisis Leadership as you do on Safety Leadership. Greg Solecki will highlight worldwide trends in hazards, as well as emergency and continuity management best practices. Attendees will be exposed to decision-making theory under stress, and a crisis management model that works.

Key take-aways include:

- Understanding of Incident Management Systems and Standards for the oil and gas industry and how to integrate them into Corporate Programs
- Identification of Leadership training and development at all levels of an organization to ensure appropriate and effective recovery from major emergencies and crisis
- Awareness of the gaps in required competencies for emergency response at the site, and in the executive boardroom

➤ **Safety Culture Transformation Through Frontline Influencer Engagements**

Wendy Wilson

1:00 PM – 1:45 PM

Join Wendy Wilson, Director of QHSSE for Weatherford Canada as she shares the framework of the HSE Excellence Program that supported safety culture transformation across nearly 100 locations across Canada. A grass-roots initiative, HSE Excellence is designed to identify “locker-room leaders” at the frontlines and turn them into HSE Champions. Wendy will reveal to you the strategies behind engaging these individuals, developing their leadership and communication skills, as well as, educating them on risk management tools that will help them to implement localized action plans back at their workplace. Learn how you too, can start a movement of HSE Champions in your workplace and empower them to collectively improve your safety culture and performance. Weatherford’s HSE Excellence Program was awarded the Canadian Society of Safety Engineering’s 2015 National Special Project Award.

Wednesday sessions continued

➤ **Regulators Forum**

1:00 PM – 1:45 PM

Representatives from Alberta and British Columbia will then provide insight on what the oil and gas industry is doing well, areas in need of improvement from a field perspective, emerging safety field issues and regulatory modifications within their jurisdiction. Individual presentations will be followed by an audience driven question and answer period.

➤ **Mindfulness-Based Safety: Increasing Attention to Task in Alberta's Oil and Gas Operations**

Darrah Wolfe

2:00 PM – 2:45 PM

With studies demonstrating mind-wandering to be associated with failure to perform monitoring procedural steps, a deficiency in being able to call information to mind, more false alarms, and a reduction in task performance, we cannot afford to continue to overlook the potential impact mind-wandering has on human behaviour in high-risk environments within the Alberta oil and gas industry. This presentation considers mindfulness-based interventions for reducing the occurrence of mind-wandering and improving attention to a task. It is from a foundation of research explored in the literature reviews of mind-wandering and mindfulness, that Darrah invites the oil and gas industry to incorporate the supplemental element of, what she is terming, Mindfulness-Based Safety into their Health & Safety Management Systems. In support of this, Darrah provides a suggested plan for creating awareness and implementing mindfulness into operations to reduce mind-wandering and therefore increase the amount of time employees spend with their minds on task.

Key take-aways include:

- Awareness of the impacts mind-wandering has on our situational awareness and task performance
- The skill to train and enhance our attention capacity and increase attention-to-task
- The means to assess mind-wandering within existing hazard identification systems

Wednesday sessions continued

➤ **FireSmart for the Oil and Gas Industry: Protecting your People, Assets and Reducing Liability in the Wildland Industrial Interface**

Connor Wollis

2:00 PM – 2:45 PM

Wildfire risk to industrial operations and personnel are continuing to increase on the landscape due to increasing growth of the Wildland Industrial Interface (where industrial operations meet a wildland environment), climate change and an aging forested landscape. Will the recent Richardson and Horse River wildfires be the new norm? This presentation will focus on the FireSmart Program for the Oil and Gas Industry while highlighting several tools and strategies that companies can use to identify and mitigate risk to their personnel and operations from wildfire, and reduce their liability from igniting wildfires within their operations.

➤ **Keynote: Risk Management – Don't Take Chances; Manage Risks**

Dr. Dave Williams

3:30 PM – 4:30 PM

Record-breaking Canadian Astronaut and Aquanaut and CEO of Southlake Regional Health Centre, Dave Williams believes in a “no error strategy,” which involves defining methods that establish zero tolerance for mistakes. Relying on his experience as an emergency room doctor and as an astronaut, he knows the catastrophic consequences that can happen when lives are at stake. A true Canadian hero, Williams is down-to-earth with a compelling and unique approach to peak performance, environmental stewardship, our futures and risk management.

Thursday, May 4

➤ **Keynote: The Energized Approach for Creating a Safe, Healthy and Productive Workplace During Challenging Financial Times**

Michael Melnik

9:00 AM – 10:00 AM

Those in a position of responsibility for safety are often faced with the monumental task of “implementing change,” “getting people on board” and “driving safe behaviours.” These can be daunting, time consuming and energy draining activities unless they are done in a way that actually generates energy from everyone involved. This is particularly true when the economy is struggling or business is down. In these instances, the energy of employees becomes an extremely valuable commodity. The Energized Approach is a time-tested process that was created to “generate and capture” the energy needed for the success of any program or initiative.

Imagine the energy that can be generated in a work environment where employees purposefully try to get caught “doing something safely” rather than hiding an unsafe behaviour. Imagine the energy created when an employee has a positive response when invited to a safety meeting rather than responding with “Is it mandatory?” And imagine the energy that becomes available when an employee thanks a manager or supervisor for demonstrating a genuine concern about his or her safety.

Key take-aways include:

- Learn about the important role that energy plays in the success of a safety and health program (and how the absence of energy can grind progress to a halt)
- Understand the 10 essential energy sources and the unique role that each plays in a safety/health program
- Learn how to regularly evaluate and manage the 10 essential energy sources to insure program success
- Learn how to integrate the role of the energy sources into all of their programs and initiatives to maximize their impact

Thursday sessions continued

➤ **Effective Information Gathering and Credibility Assessment – Using Scientific Best Practices in Your Accident Investigations**

Dr. Sarah MacDonald

10:45 AM – 11:30 AM

Accident investigations are inevitably a common occurrence and can be costly, time consuming, and result in liability concerns for your company. Mitigating risk, reducing liability, and enhancing the likelihood of effective case resolution can be achieved by demanding investigative excellence.

A pivotal part of an accident investigation involves the effective and professional investigative interviewing of those involved. Effective information gathering results in an increase of both the quantity and quality of accounts, allowing Investigators to make informed and consequential decisions. Dr. Sarah MacDonald will lead the audience through an engaging and interactive session discussing the use of scientific research to enhance the accident investigation processes and root cause analysis. She will explain dynamic memory processes, describe how false memories are created, and share scientific, evidence based information gathering processes to improve the quality of accident investigations. She will also dispel commonly believed myths about detecting lies, briefly discuss the psychology of lying and provide the audience with empirically validated behavioural cues to deceit.

This presentation will transfer findings from investigative interviewing research directly to the field of professionals committed to safety.

Key take-aways include:

- Learn the components of memory, how false memories are created and dispel the most common memory myths
- Learn skills for rapport building
- Learn appropriate questioning and note taking skills
- Become familiar with various empirically false (but commonly believed) cues to deception
- Obtain an understanding of evidence-based verbal and non-verbal cues to deception

Thursday sessions continued

➤ **Standard of Care – The Challenge**

Grant Aune

1:00 PM – 1:45 PM

Are you a parent, grandparent, co-worker, manager or business owner? Do you know what your greatest risk for injury or death is? The Challenge presentation will show the statistical information, which supports the fact, that operating a motor vehicle or piece of equipment is a person's greatest risk for serious injury or death, both in and out of the work place. All drivers need to assess their own driving ability and need to make changes to their driving behavior to lessen their risk. Everyone is responsible on the road!

This fundamental presentation will CHALLENGE you to assess the following:

- Awareness of the Risk associated with driving/operating a vehicle
- Attitude
- Removing the word "Accident" from your vocabulary
- Speeding
- Driving as an ART not an Act
- Seat belt use

➤ **From Knowing to Doing: Getting the Most From Your Safety Training Efforts**

Michael Melnik

1:00-1:45 PM

For years, the delivery of information has been the method of choice for inviting safe employee behaviors. Unfortunately it has become clear that there is a huge difference between what employees know and what they do with what they know. While information certainly has value, its impact is influenced not only by the quantity of content delivered, but also by HOW the content is developed, delivered, supported and received! In this session Michael introduces REP; The Rational, Emotional and Physical approach to effective training. This fun, high energy session takes a humorous look at training and offers insights and strategies for training that not only influence what participants know, but also what they do with what they know.

Thursday sessions continued

➤ **Keynote: Get It On! What It Means to Lead the Way**

Keni Thomas

2:00 PM – 3:00 PM

The Ranger motto is Rangers Lead the Way. Leadership is the core of every skill developed as a Ranger. But, leadership is not a position but rather an example set by every Ranger. Whether approaching the beaches of Normandy or the mountain ranges of Afghanistan, the world is made better when leadership is owned by each member of the team.

As a member of the “Blackhawk Down” mission, Keni Thomas’ stories of Task Force Ranger are extraordinary examples of leadership. And, the stories are not about Generals, Colonels or Captains. For example, Private David Floyd was in charge of one person that day - himself. But his leadership and example saved lives.

In the pace of life, it is easy to lose perspective on our value to others. Make no mistake: Your presence is crucial! The individuals to the left and right are directly affected by the result of your actions. Each team is a puzzle with invaluable pieces.

When you raise your hand or assume a task, you have put on the “uniform”. Duty follows that responsibility. Good is never enough because better is expected.

Keni Thomas helps attendees see themselves in the light of extraordinary. It is a choice made by many each day to impact those around them.

It is the ultimate definition of LEADING THE WAY...

Key take-aways include:

- Leadership Training and planning will prepare the team for the mission. But, the mission’s execution is about leadership - every person at every level. Leadership is not a position...it is the example you set!”
- Training and testing are vital. Tough, realistic training demands that every team member constantly seeks to improve. Preparation will define your performance. “Train as You Fight, Fight as You train”
- A defined plan is essential to success. Rangers are constantly defining and refining plans for various scenarios. Who, What, Where, How? Planning and revisiting helps avoid complacency and prepares the team to act. “Fail to Plan, Plan to Fail”

PRE-CONFERENCE WORKSHOPS

Workshops are not included in delegate fees and must be registered for separately. REGISTER EARLY as space in each session is very limited. All pre-conference workshops will be held in the Max Bell building on May 1 & 2 and include lunch.

> CRSP Preparation - 2-Day Workshop

Dr. Peter Strahlendorf

Maximum 40 participants

Cost: \$650.00

May 1-2, 8:00 AM – 5:00 PM

This two-day course prepares participants for the CRSP exam that is offered three times a year by the BCRSP (Feb, June and Oct). You can take the course with or without having first applied to the BCRSP. Some people take the course as a last minute review and others in order to develop a study plan. It is now advisable to take the course several months before the exam date. We cover:

- the process of applying to the BCRSP
- studying strategies
- techniques for answering multiple choice questions
- what to do on the day of the exam
- sample questions from the 9 BCRSP study guides

Participants receive manuals containing over 4500 study questions. Other CRSP prep materials summarize the study guides and therefore lose detail, and so are insufficient preparation. The 4500 study questions cover the details in the study guides. Participants also receive a Certificate of Attendance which is worth 2 professional development points in the application to BCRSP.

Dr. Peter Strahlendorf has presented this course to many hundreds of people across Canada since 1993 in cities all across Canada. This is the most widely used CRSP course in Canada. Most current CRSPs took this course.

Pre-conference workshops continued

➤ **High Reliability Organizing for the Oil and Gas Industry - ½ Day Workshop**

Ralph Soule

Maximum 40 participants

Cost: \$200.00

May 2, 8:00 AM – 12:00 PM

Dr. Ralph Soule, a 29-year veteran of high reliability operations in nuclear ship operations, construction, and overhaul in the U.S. Navy, will lead a workshop on taking your first steps to high reliability organizing.

The workshop targets senior organizational leaders because their words and actions set the stage for higher reliability to enable safe and reliable performance of their workers. Senior leaders recognize the costs inherent in additional regulation and greater financial liability that result from the loss of public trust. Organizational accidents like Texas City and Lac-Mégantic have the potential to affect public attitudes about an industry or a technology for generations.

High reliability is not just about loss prevention. It is also not merely about greater financial and operational success even though organizations that use its tools, such as Toyota, the U.S. Navy Nuclear Power program, and Alcoa, substantially outperform their peers. High reliability and greater safety represent a moral calling to “do what’s right” for workers, shareholders, industry, and the public.

The premise of the workshop is that any organization can start to become more reliable and safe through small steps applied with discipline. It just takes courage to begin the journey.

The workshop will be presented in four parts:

Part 1 - Basic concepts of safety culture and high reliability organizing

Part 2 - Building blocks of high reliability organizing; recognizing and learning from surprise, work environment, work planning and safety leadership through modeling

Part 3 - Case Study: USS Thresher (SSN 593); incident with the single greatest loss of life in the history of the U.S. submarine program

Part 4 - Tough case based on an oil and gas industry incident

Pre-conference workshops continued

> Safety and Incident Leadership – ½ Day Workshop

Greg Solecki

Maximum 40 participants

Cost: \$200.00

May 2, 1:00 PM – 5:00 PM

A half day course targeting front line leaders and executives that provides clarity on the roles, responsibilities, and relationships between your incident site and Emergency Operations Centre during major emergencies and crisis. Learn about the competencies, behaviours and training that is required to be successful as an Incident Commander, EOC Manager, or C-Suite decision maker.