Petrochem 2019 Speakers

Rob Ellis | Founder & President

Rob Ellis became an outspoken advocate for health, safety and wellness in the workplace after the death of his son David in 1999. Rob has developed international partnerships with companies dedicated to becoming champion employers. His work with young people, parents, and businesses has been widely publicized across Canada and the United States, and he is regularly sought after to participate in international events as a keynote speaker.

As a former business owner, Rob knows the challenges that companies face in recruiting and retaining the best people. He believes that by partnering with industry leaders to promote positive change, a cultural shift will take place in our communities – a shift that will increase the importance of health, safety, and wellness for all workers.

Rob can almost always be seen wearing the original Jersey of Courage.

Ron Landry –Provincial Coordinator – Occupational Health and Safety Branch – MOL.

Ron Landry began his career with the Ministry of Labour in 2004 as an Industrial Inspector for the Industrial Health and Safety Program's High-Risk Initiative. His career with the Ministry includes roles as Regional Industrial Program Manager, Regional Program Coordinator, Policy Advisor and Provincial Specialist. Ron is currently in the role of Acting Provincial Coordinator for the Industrial Health and Safety Program. Prior to joining the Ministry, he worked for 15 years in the automotive manufacturing sector for three prominent employers in the industry.

Presentation Overview: Ministry of Labour Activities and Initiatives

Robert E. Henderson: President of GfG Instrumentation, Inc.

GfG is a leading supplier of portable and fixed gas detection, and indoor air quality monitoring products. GfG's instruments are used in confined space, oil production and refining, industrial hygiene, automotive, hazmat and other atmospheric monitoring applications all over the world.

Robert has over 36 years of experience in the design, marketing and manufacture of gas detection instruments. Robert is a past Chairman of both the AIHA Real Time Detection Systems Technical Committee, and the AIHA Confined Spaces Committee. He is also past Chairman of the Instrument Products Group of the International Safety Equipment Association. Robert has a BS in biological science and an MBA from Rensselaer University.

Presentation Overview: Confined space gas detection

The LEL, O2, CO and H2S sensors in single and multi-sensor portable instruments are accurate, dependable, and can last for years in normal operation. As good as they are, however, sensors have limitations as well as capabilities. A sensor that underestimates or fails to detect the hazard it is supposed to measure can be the cause of accidents. It's critical to understand what these life safety devices can accurately detect, and what they can't. It's also important to be aware of additional technologies such as infrared (IR) and photoionization (PID) sensors that can provide a solution when standard sensors are not the best choice.

Bullets:

- *What the sensors in your gas detectors can (and can't) actually detect*
- *The most common mistakes people make when using their gas detectors*
- *Calibrating LEL sensors to maximize accuracy*
- *Where to set the alarms*
- *Changes in the TLV® exposure limit for H2S, SO2 and NO2, and what to do about it*
- *Choosing the best sensor technologies for specific monitoring applications*
- *Times when infrared combustible gas sensors may be a better choice*
- *Using PIDs for measurement of toxic VOCs like benzene*

Alex Paredes, B.Comm, DOHS: Operations Manager, Impact Safety Solutions

Over the past 15 years, Alex has worked in Health and Safety in various sectors such as oil & gas, petrochemical, electric power generation & distribution, industrial and commercial construction.

Alex started his career in the health and safety industry as a confined space attendant, transitioning to industrial rescue technician. He progressed in his career to managing on-site safety services providing confined space, breathing air and industrial rescue support. Eventually transitioning from service providers to working for the Norwegian national oil company Statoil as a health and safety representative, and then onto managing a health and safety consulting firm in Western Canada.

Alex has extensive experience with confined space hazard assessment and mitigation, gas detection, rescue, incident investigation and root cause analysis, management of change, and policy development.

Having experienced first-hand the dangers of confined space entry in 40+ industrial facilities in Western Canada. Alex is now leading the operations team at Impact Safety Solutions to leverage technology to improve the safety and efficiency of how confined space operations are conducted as part of the next evolution of the health and safety industry.

Paul Fulton B.MGT: Business Development Manager, Impact Safety Solutions

Paul Fulton has worked within the North American Oil and Gas industry for the past 15 years in various health and safety roles. After University Paul began working as an H2S Specialist managing the safety of workers on some of Canada's most critical high-pressure sour gas wells. Paul has extensive experience as an Operations Manager, Managing the day to day operations in Fort Nelson BC, Fort Saint John BC and Grand Prairie Alberta. Over seeing multiple industrial maintenance events simultaneously.

Paul has been fortunate that his career has provided opportunities to create technology-based solutions to reduce risk in upgrading and refining industrial settings. Over the past decade Paul has been able to implement such solutions in South Texas, West Texas, North Dakota, British Columbia, Alberta Heart Land, Fort McMurray, Saskatchewan and most recently Ontario.

Presentation Overview: Paul and Alex will cover the Evolution of Confined Space Best Practices including:

- *Evolution of Confined Space Activities*
- *Common Hazards of Confined Spaces*
- *Analysis of Fatalities Related to Confined Space Activities*
- *Analysis of Actual Confined Space Incident Involving Fatality*
- *Current Confined Space Best Practices*
- *Remote Confined Space Monitoring Technology Overview*

Stacey C. Blundell, M.Sc., CIH, ROH: Advanced Development Specialist, Personal Safety Division, 3M Canada

Stacey has worked in the field of Occupational Health and Safety for almost 21 years. She is a Certified Industrial Hygienist (CIH) and a Registered Occupational Hygienist (ROH). She has spent 19 years of her career in Industrial Hygiene with 3M. She started as a Corporate Industrial Hygienist supporting 3M's manufacturing sites in Ontario. Based in Montreal, Stacey currently works for 3M's Personal Safety Division providing bilingual technical, regulatory and product support both internally and externally to 3M's customers. In addition to her professional certifications, she has an Honors Degree in Biology from McMaster University and a Master's Degree in Occupational Health from McGill University.

Presentation Overview: Silica: the hidden hazards

- *What is silica?*
- *Silica health effects*
- *Regulatory overview*
- *Construction, mining and industrial sector*
- *Controlling Silica exposures*
- *Engineering, Administrative, PPE*
- *Q&A*

Dan Curts, CIH, ROH, CRSP: Lead Health and Safety Application Specialist, Personal Safety Division, 3M Canada

Dan has been involved in Occupational Health and Safety for over 38 years. He is currently employed at 3M Canada in London as Senior Advanced Applications Specialist in the Personal Safety Division. Previously, Dan was employed by the Ontario Ministry of Labour as an Occupational Hygienist for 12 years and at IBM Canada as an Industrial Hygienist for an additional 5 years.

Dan has developed and continues to deliver several university and college credited courses related to Health and Safety for over 31 years. He is certified by the American Board of Industrial Hygienists, Canadian Registration Board of Occupational Hygienists and the Canadian Board of Registered Safety Professionals.

Presentation Overview: Welding – Hazards and Solutions

Welding is a very challenging and hazardous occupation. Whether working inside or outside, welders are exposed to a variety of chemical, physical and ergonomic hazards. This presentation will give an overview of some of the chemical contaminants, their health concerns, the occupational exposure limits and what can be done to reduce or in some cases eliminate the exposures.