

NICOLET CHAPTER



Professional Development Conference 2017

**American Society of Safety Engineers
Nicolet Chapter**

September 27, 2017
7:45 am—4:15 pm

The Marq
3177 French Road
De Pere, Wisconsin
(920) 532-4811



American Society of Safety Engineers

Nicolet Chapter
Green Bay, WI

Schedule of Events

7:45-8:15	Registration and Continental Breakfast
8:15-8:30	ASSE Announcements and Welcome
8:30-10:00	The Silver Tsunami: Are You Ready for the Shifting Age Paradigm? Erick Cauldwell, Aon Risk Solutions
10:00-10:15	Break
10:15-11:45	The “A,B,C,D/R” of Fall Protection Patrick Harrell, 3M Company
11:45-12:30	Lunch / Networking
12:30-1:30	Fall Protection Trailer Demonstration Patrick Harel, 3M Company
1:30-1:45	Break
1:45-3:00	Machine Guarding Basics: Issues and Answers Deb Redell, C & I Safety Consulting Services, Inc.
3:00-3:15	Break
3:15-4:15	Combustible Dust Exposures, Remediation, and Energy Management Daniel Borher and Ed Roth, Hastings Air Energy Control, Inc.

September 27, 2017

7:45 am – 4:15 pm

The Marq, 3177 French Road, De Pere, WI
\$100.00 members / \$150.00 non-members
\$160 full year payment available for members

Please Register and Prepay by September 22nd, 2017

0.6 CEU's will be awarded for this program



Agenda and Presentation Descriptions

Learning Objectives

- Articulate the challenges of an aging workforce and identify the actions which can be taken to manage and reduce the age related factors that drive workers' compensation costs.
- Develop an understanding of various forms of personal fall arrest systems, how they work and their effectiveness.
- Have the knowledge to develop a fall protection rescue plan.
- Gain a better understanding of OSHA's machine guarding requirements and articulate practical methods to address fall protection issues in the workplace.
- Articulate industrial ventilation techniques for appropriately managing combustible dust.

Schedule of Events

7:45—8:15 a.m. Registration and Continental Breakfast

8:15-8:30 a.m. ASSE Announcements and Welcome

8:30—10:00 a.m.

The Silver Tsunami: Are You Ready for the Shifting Age Paradigm?

Erick Cauldwell, Aon Risk Solutions

Most employers are identifying the realities of an aging work force. Statistics show that workers in the 45 to 55 year-old category make up 44% of the workforce. In addition, nearly 35% of the workforce is considered obese. An aging and overweight workforce results in increased medical cost and lost time from workplace injuries. This presentation will outline the challenges facing employers and the actions which can be taken to manage, and reduce these factors which drive workers compensation costs.

Erick serves as a Casualty Risk Consultant for the Aon Green Bay, WI office. He is responsible for assisting Aon clients with safety and risk management concerns that may adversely impact their business operation.

Prior to joining Aon in February 2016, Erick has held safety positions with the U. S. military, commercial aviation and with a large manufacturer and distributor of commercial and residential building products. In addition, he served as a

workers' compensation investigative claims adjuster for a major insurance carrier.

With over ten years of experience in safety and risk management, Erick's expertise spreads across a large segment of multidisciplinary fields including safety management systems, property and casualty loss prevention, regulatory management, workers' compensation and return-to-work.

10:00—10:15 a.m. Exhibitor and Networking Break

10:15—11:45 a.m.

The "A,B,C,D/R" of Fall Protection
Patrick Harel, 3M Company

The fall protection demonstration will address standards related to working at heights in various industries. The program will focus on personal fall arrest systems: harness, connector, anchor, and rescue, emphasizing the proper selection, use, and inspection of each component. During the connector session, a test weight is dropped to simulate the impact forces on the body in a freefall with various connector devices. An attached load cell will give a visual impact load that would be applied to the person and also the load on the anchor points. This drop will illustrate the difference between a 6' shock absorbing lanyard vs. a self-retracting lifeline in terms of meeting the fall clearance distance requirement.

Suspension trauma will be addressed and the importance of a proper on-site rescue plan.

Patrick was born and raised in Durban, South Africa and has lived in the USA for the past 18 years. He became a US citizen in 2010 and joined the Capital Safety Team in Feb. 2013 as the Territory Manager for Wisconsin and the Upper Peninsula and continued in his role when 3M purchased DBI Sala and Protecta in 2015. He was previously a Safety Specialist for 6 years in the Green Bay area.

11:45—12:30 p.m. Lunch and Networking Break

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Agenda and Presentation Descriptions

12:30—1:30 p.m.

The “A,B,C,D/R” of Fall Protection
Patrick Harel, 3M Company

The second half of Patrick’s presentation will include a trailer demonstration with continued discussion from the morning session.

1:30—1:45 p.m. Exhibitor and Networking Break

1:45—3:00 p.m.

Machine Guarding Basics: Issues and Answers
Deb Redell, C & I Safety Consulting Services, Inc.

Machine guarding is one of the most cited standards, making the Top 10 list every year. Two problems typically arise for those trying to understand OSHA’s Machine Guarding rules and regulations. These are determining the intent of the written regulation and practically applying them.

Deb Redell is a proactive safety and health compliance consultant that has been successfully in business since 1994. She spent over fifteen years in construction and also owned and operated a gear hobbing shop. She sits on the Construction Safety Advisory Board for the University of WI-Whitewater. Deb was previously an outsource instructor at OSHA’s Training Institute for ten years.

2:45—3:00 p.m. Exhibitor and Networking Break

3:00—4:15 p.m.

Combustible Dust Exposures, Remediation, and Energy Management
Daniel Borher and Ed Roth, Hastings Air Energy Control, Inc.

This program will cover a variety of industrial ventilation and energy topics, including:

- Air cleaning
- Dust collection
- Engineering principles of air and dust
- Combustible dust explosion avoidance and system remediation
- Combustible dust sampling and terms

- OSHA, NFPA compliance resources and direction
- Types of dust and filtration principles
- Motor principles- standard and variable speed
- Enclosures, ductwork for optimal collection, transportation and elimination of dust.
- Energy conservation and management, savings and grants

This comprehensive introduction will provide you a great foundation for understanding current issues, future potential problems and provide a roadmap for helping solve them or find the correct resources to help solve them.

Dan Bohrer is the VP of Sales for Hastings Air Energy Control, Inc. Headquartered in New Berlin, WI. Dan’s career in the Industrial Air Cleaning and Dust Collection Industry began over 35 years ago, focusing on solving indoor air pollution problems. For the last 10 years, Dan has been in charge of Engineering and Sales, encompassing a 9 state region. He attended MSOE and has participated in Industrial Ventilation Conferences, keeping abreast of the newest air cleaning techniques and OSHA/NFPA standards. Dan is one of the owners of Hastings.

Ed Roth is the Technical Sales Representative for Hastings Air Energy Control, Inc. Ed earned his BA from Marquette University and joined Hastings in 2010. Ed’s responsibilities at Hastings include designing and overseeing the installation of air cleaning/process ventilation systems that contain and remove dust, mist, smoke, and fume generated in industrial manufacturing facilities. The emphasis of his work is addressing combustible dust applications and educating industrial entities of the hazards they must be aware of. High level clients served by Ed include Caterpillar, Joy Global, Oshkosh Defense.

4:15 p.m. Adjournment



American Society of Safety Engineers

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Professional Development Conference 2017

September 27, 2017

Registration Information for ASSE Nicolet Chapter PDC

PDC Payment Information (lunch included):

Cost: \$100 for Members / \$150 for Non-Members

Additional Attendees (\$100/each additional attendee from your organization)

**Please select "Guest of Member" as the registration option online.*

Optional Full Year Payment Information (Members only—Additional \$60):

The optional full year payment includes the admission fees for the November, January, March and May 2017-2018 Nicolet Chapter Programs.

RSVP Information:

You can register and pay online at: <http://nicolet.asse.org/events/professional-development-conference-2017/>

If you pay by check, payments must be submitted by September 22nd, 2017.

Checks payable to: ASSE

Checks can be sent to:

Great Northern Corporation

Attn: Jeff Van Thiel

P.O. Box 939

Appleton, WI 54912

Cancellations: Cancellations must be made by September 22, 2017 in order to receive a refund (jvanthie@greatnortherncorp.com). After that date, there will be no refunds, but substitutions will be allowed at no additional cost.