



ADVANCING THE TECHNICAL DEVELOPMENT, PRODUCTION, PROCESSING AND APPLICATION OF IRON AND STEEL

SAFETY AND HEALTH CONFERENCE: MEXICO

1–4 December 2015 • Monterrey, Mexico • Venue: Safi Hotel

Expected Attendance: 75-100

TUESDAY, 1 DECEMBER 2015

4–6 p.m. Registration

WEDNESDAY, 2 DECEMBER 20157 a.m. *Registration and Continental Breakfast*8 a.m. **Mexico Chapter Opening Plenary**, *Jorge Von Bergen, Ternium Mexico*8:45 a.m. *Break*9 a.m. **Mobile Equipment Safety**, *Matt Moore, Harsco Corp.*

The interaction of people and heavy mobile equipment remain one of the highest risks faced by the industry. This presentation will provide background on the scope, nature, and description of the hazards created when this man and machine interface occurs. Suggested solutions designed to eliminate or control these hazards will be presented so as to lower the risk and improve the safety of working near heavy mobile equipment.

9:45 a.m. *Break*10 a.m. **Improving Operator OSHA Compliance and Safety with the Use of Technology**, *Kim Stachler, Crown Equipment Company*10:45 a.m. *Break*11 a.m. **Combustible Dust**, *Barry Momyer, AM Health and Safety*

Although the steel industry has experienced few events resulting in the devastating effects of combustible dust explosions, the steel industry must be aware of the aspects and how to recognize and minimize unknown potential dust explosion conditions and increase employee safety. This presentation will assist in the general knowledge and understanding of combustible dust, evaluation/assessment of conditions, dust characterization, risk areas/processes, and potential control/prevention measures or techniques to minimize conditions that may contribute to an unwanted catastrophic event involving combustible dust.

Noon *Lunch*1 p.m. **Hazard Assessment-IH Exposure Decision Making**, *Justin Hoover, Steel Dynamics, Inc*

This presentation will discuss the importance of proactive exposure assessment strategies and how that information and historical sampling data drive a sampling strategy for industrial hygiene.

1:45 p.m. *Break*2 p.m. **Confined Space Safety-Overview and Best Practices**, *Brad Bray, California Steel Industries*

The objectives of this presentation are to recognize confined spaces and permit spaces; to consider hazards associated with confined spaces; to discuss various methods of controlling hazards; to recognize signs and symptoms of exposure; to identify duties of entrants, attendants and supervisors; and to discuss emergency procedures.

- 2:45 p.m. *Break*
- 3 p.m. *Fall Protection Solutions for Heavy Industry, Christopher Sierra, 3M Mexico***
 This presentation will cover fall protection basics, applicable regulations and general needs. Metal market special requirements and solutions will also be covered.
- 3:45 p.m. *Break*
- 4 p.m. *Hand Safety, Joanne Zaraliakos, US Steel Canada & Claudia Villavicencio A., Showa Best Glove***
 Hand injuries happen all the time in the steel industry, including lacerations, crushing and de-gloving. Training, tools, and an assortment of gloves help reduce the risk and number of hand injuries. No-touch tools will be introduced in this presentation, which will feature a hands-on exercise to demonstrate what life without hands might be like.
- 5 p.m. *Reception*

THURSDAY, 3 DECEMBER 2015

- 7 a.m. *Continental Breakfast*
- 8 a.m. *Crane Safety, Ted Blanton, North American Crane Bureau***
 This presentation is an overview of both safe overhead crane operation and inspection procedures.
- 8:45 a.m. *Break*
- 9 a.m. *Hearing Conservation, Robbie Woods, California Steel Industries, Inc.***
 Hearing conservation education: how noise affects our lives today and beyond. Do you want to be able to hear your grandchildren talk to you? If you do, you need to understand why hearing protection is important
- 9:45 a.m. *Break*
- 10 a.m. *Radiation Safety, Barry Momyer, AM Health and Safety***
 The steel industry utilizes sealed-source radioactive devices as well as x-ray radiation generating devices, and has experienced few events involving these types of devices within the plants. However, the potential economical and potential employee health aspects of the devastating effects of a radiological incident within the plant with these devices, or the melting of one of these devices contained in scrap, must be addressed to bring awareness to preventing, recognizing and minimizing potential events, and increasing employee safety. This presentation will assist in the general knowledge and understanding of radiation safety, including fundamentals, sources of background radiation, external radiation principles, monitoring and industrial applications; evaluation/assessment of conditions/equipment/processes; and potential control/prevention measures or techniques to minimize conditions, including scrap detection, that may contribute to an unwanted catastrophic event involving radiation.
- 10:45 a.m. *Break*
- 11 a.m. *Pedestrian Safety, Matt Moore, Harsco***
 This presentation will discuss options for protecting pedestrians in steel plants and surface mining operations.
- Noon *Lunch*
- 1 p.m. *Lock Out, Tag Out, Marco Quiroz, Ross Controls***
 Pneumatic lockout safety standards require the locking out and tagging out all stored energy on a machine. This presentation will discuss stored energy, which includes, but is not limited to: electrical, mechanical, hydraulic, chemical, radiation, thermal and gravitational.
- 1:45 p.m. *Break*

2:00 p.m. **Leading Indicators vs. Lagging Indicators**, *Jeff Adams, CMC Americas*
This presentation provides a review of CMC Americas' leading indicator safety metric system and how it is used to measure and trend activities that employees have the ability to control.

2:45 p.m. *Break*

3:00 p.m. **Panel Discussion and Reception**
Topic: Cardinal Safety Rules

Moderator: *Brad Bray, California Steel Industries, Inc.*

Panelists: *Justin Hoover, Steel Dynamics, Inc.*
Joanne Zaraliakos, US Steel Canada
Robbie Woods, California Steel Industries, Inc.
Matt Moore, Harsco Corp.
Jeff Adams, CMC Americas

5 p.m. **Adjourn**

FRIDAY, 4 DECEMBER 2015

8 a.m. **Plant Tour**
Location: Planta Tenigal