

40<sup>th</sup> Annual Iowa Governor's Safety & Health Conference

# ROAD TO EXCELLENCE

NOVEMBER 3 & 4, 2011

The Hotel at Kirkwood Center  
7725 Kirkwood Boulevard SW - Cedar Rapids, IA 52404

## Thursday Keynotes

**Steve Uzzell**

**Award-winning, Former National Geographic Photographer**

[www.steveuzzell.com](http://www.steveuzzell.com)

### **"Open Roads Open Minds"**

An Exploration of Creative Problem Solving

*Once you open your mind, the power of your imagination is released and it knows no bounds. Steve will present [mind-stretching images](#) as illustrations about possibility and creativity, inspiring his audiences to make any venture an adventure. You will learn to put this perspective to work for you everyday - in problem solving, in the creative process, and in your life. Steve's photographs serve as a universal blueprint for problem solving. You will learn to be open to solutions that are unexpected, but that preparation lays the groundwork for magic to happen. " Our eyes see only what our mind is prepared to comprehend. "*

### **"The Nature of Transition"**

*We are in such a state of transition is a phrase you often hear. It might pertain to our organization, the economy, the work environment, or our daily lives. Steve will explore the very nature of transition, visualized with his [striking photographs](#) he will examine "transition" from a myriad of perspectives - personal, daily, local, historical, architectural, global, and from the natural world. You will come away from "The Nature of Transition" inspired, transformed and empowered, with a new appreciation for what Steve believes is the most exciting step in the creative process.*

## Friday Keynote

**Steve Mickelson, PhD**

**Professor & Chair, Agricultural and Biosystems Engineering**

**Iowa State University**

### **"Building Success Through Competency Development"**

*Are you competent? How about your employees? How do you make sure you hire competent people for the positions in your organization? Competency development comes from development of the right knowledge, skills, and abilities. Past behavior is the best indicator of future performance. Learn about what competencies industry and government agencies are expecting from their new employees and how this has changed over the past decade. Also learn how to ensure you hire the right people for the positions in your organization.*

# Conference Agenda Summary

## THURSDAY, NOVEMBER 3

7:15 a.m. – 8:00 a.m.	Registration & Exhibits Open
8:00 a.m. – 8:10 a.m.	Opening Remarks
8:10 a.m. – 9:15 a.m.	Morning Keynote – Steve Uzzell
9:15 a.m. – 9:35 a.m.	Exhibitor & Networking Break
9:35 a.m. – 10:30 a.m.	Breakout Sessions 1
10:40 a.m. – 11:35 a.m.	Breakout Sessions 2
11:35 a.m. – 11:55 a.m.	Exhibitor & Networking Break
11:55 a.m. – 12:45 p.m.	Lunch & Scholarship Presentations
12:45 p.m. – 1:05 p.m.	Exhibitor & Networking Break
1:05 p.m. – 2:00 p.m.	Breakout Sessions 3
2:10 p.m. – 3:05 p.m.	Breakout Sessions 4
3:05 p.m. – 3:25 p.m.	Exhibitor & Networking Break
3:25 p.m. – 4:30 p.m.	Afternoon Keynote – Steve Uzzell
4:30 p.m. – 6:30 p.m.	Reception Event

## FRIDAY, NOVEMBER 4

7:15 a.m. – 8:00 a.m.	Registration & Exhibits Open
8:00 a.m. – 9:00 a.m.	Morning Keynote – Steve Mickelson
9:00 a.m. – 9:30 a.m.	Exhibitor & Networking Break
9:30 a.m. – 10:25 a.m.	Breakout Sessions 5
10:35 a.m. – 11:30 a.m.	Breakout Sessions 6
11:30 a.m. – 12:15 p.m.	Lunch
12:15 p.m. – 12:30 p.m.	Exhibitor & Networking Break
12:30 p.m. – 1:25 p.m.	Breakout Sessions 7
1:35 p.m. – 2:30 p.m.	Breakout Sessions 8
2:30 p.m.	Adjournment

# Breakout Sessions – 1 (Thursday a.m.)

## **Starting a Comprehensive Safety and Health Program From Scratch**

Dennis Warth  
Director of Loss Control  
Holmes Murphy & Associates

*This session will define and review the primary program elements commonly found in an effective safety program.*

## **The Good, The Bad, and The Ugly: Perception of Risk**

Terry Butler, CSP  
Director EH&S  
Vermeer Corporation  
Ron Stanhope, CSP  
Corporate Safety Engineering Manager  
Vermeer Corporation

*Everyone who comes to work comes with a different perception of what is risky and what is not. Learn a process that has been proven effective in changing the worst of safety cultures by standardizing employees' perception of risk.*

## **Communicating Instructions: It's In The LEGOS/Details**

James Schaack  
Safety Manager  
The Waldinger Corporation - Des Moines Branch

*Effective communication between two parties is vital to minimizing risk and maximizing production when providing instruction. Speaking and listening are both vital components of communication, but equally important is an appropriate level of detail. This session is a hands-on lesson and opportunity to test your communication skills in a partner setting while having fun with one of America's favorite toys - LEGOS.*

## **Job Safety Analysis: An Effective Tool for Identifying and Mitigating Hazards**

Dr James Withers  
Manager Industrial Hygiene  
Ames Laboratory

*Have you ever conducted a JSA? If so, have you ever wondered if it was done correctly and effectively? This interactive session will provide helpful information to safety professionals who have never conducted a JSA as well as to those who are wondering if their JSAs accurately identify and address all hazards. A case study taken from an OSHA VPP site will be presented and analyzed by participants.*

## **The World is Not Flat, Nor is Ergonomics the Sole Component of an Effective Injury Prevention Program**

Nick Menke, ATC, CSCS  
Ergonomics Services Manager  
Atlas Ergonomics / Progressive Rehab

*This program will provide a systematic approach to injury prevention which will help organizations control lost work time injuries and their associated costs. We will develop the concept of an "Interventional Matrix" as well as redundant and overlapping control strategies to help organizations reduce injuries and control costs.*

# Breakout Sessions – 2 (Thursday a.m.)

## **Safety Committees: Make Them Work for You**

Chuck Martinek, CSP  
Loss Control Consultant  
LaMair Mulock Condon Company

*This session will cover some of the fundamentals of a safety committee; however, this session will not cover the traditional thoughts. It will go beyond fundamentals, covering how safety committees can be visible and effectively promote safety in the workplace.*

## **Why Should I Listen to You?!**

Joe Korpi  
Compliance Manager, Environmental, Health & Safety  
Renewable Energy Group, Inc

*Build Hazard Awareness in your team by using the Safety Coaching Concept to communicate risk. You will find meaningful and impactful ways to transform your team's view of safety when you master the one simple life-changing truth behind an Intentional Safety program. Are you ready?*

## **Clearing The Ergonomic Hurdles**

Chris Murphy, CSP  
Senior Engineer  
EMC Insurance Companies

*Learn how to overcome common ergonomic hurdles with this presentation showing how to use the hierarchy of hazard control and employee involvement to develop effective ergonomic solutions with great ROI. See how real life ergonomic hazards have been eliminated or controlled with a little creativity.*

## **Disabilities: Creating Capabilities in the Workplace**

Jan Mishler, RN, COHN-S  
Occupational Health Nurse  
Rockwell Collins, Inc  
Jane Gay, RN, BSN  
Director, Iowa Program for Assistive Technology  
University of Iowa, Center for Disabilities and Development

*This session will identify resources to obtain assistive technology for workers with disabilities and cover the benefits of retaining workers with disabilities.*

# Breakout Sessions – 3 (Thursday p.m.)

## **Obstructive Sleep Apnea: Screening of Commercial Drivers**

Dr Patrick Hartley, MB, BCh, BAO, MPH  
Professor (Clinical) of Internal Medicine  
University of Iowa

*Outline of the screening process and medical recommendations for commercial drivers with obstructive sleep apnea.*

## **Hearing Loss in the Workplace and Controls - Part 1**

David Byrne, MS, CCC-A  
Research Audiologist  
NIOSH – Taft Laboratories

*Hearing loss... how big of a problem is it? Do you know the difference between continuous noise and impulse noise and their impact on hearing loss either temporary or permanent? David will provide you with answers to these questions and more. He will share the hierarchy of controls and the role hearing protection plays and the future plans on revising the noise reduction rating (NRR) of hearing protectors. You will also learn techniques for motivating workers to wear their hearing protection and the development of a "Buy-Quiet and Quiet-By-Design" tool to reduce noise exposures in the workplace.*

## **Evaluating Effectiveness of Safety Training: What The Learner Can Teach The Safety Professional**

Dr James Withers  
Manager Industrial Hygiene  
Ames Laboratory

*Safety training is an essential element of every safety program. Almost all safety professionals must deal with the topic of training at some point in their professional practice. What comprises a good safety training course? How do you know the training is effective? This presentation will provide the audience a review of the elements of a good safety training course and provide tools and suggestions for evaluating effectiveness. Data will be presented on a case study conducted on the Iowa State University campus as part of Dr. Withers' doctoral research.*

## **Elements of Behavior Based Safety**

Shawn Zablocki  
Group Leader  
Olsson Associates

*This presentation will discuss general elements that are critical to the success of a true behavior based safety program, including discussion of common pitfalls and obstacles to instilling and maintaining behavior based safety.*

## **Aging Workforce and Employee Wellness: Understanding the Real Cost to Your Organization**

Nick Menke, ATC, CSCS  
Ergonomic Services Manager  
Atlas Ergonomics / Progressive Rehab

*Wellness is a popular discussion point within organizations these days. Understanding the implications of a "well" workforce is vital in developing a productive workforce; ignoring the implications can be very costly. This presentation will review the intersection of the aging workforce, obesity, and the metabolic disease states (diabetes, cardio-vascular disease, etc.) that affect a worker's ability to perform their jobs.*

## Breakout Sessions – 4 (Thursday p.m.)

### Contractor Safety Process from Start to Finish

Jon Alexander  
Contractor / Guest Leader  
Monsanto

*You will learn the process of onboarding contractor companies and follow the path all the way through the completion of work at a Monsanto site. You will see how contractors are separated into High-Risk and Low-Risk categories.*

### Hearing Loss in the Workplace and Controls - Part 2

David Byrne, MS, CCC-A  
Research Audiologist  
NIOSH – Taft Laboratories

*Hearing loss... how big of a problem is it? Do you know the difference between continuous noise and impulse noise and their impact on hearing loss either temporary or permanent? David will provide you with answers to these questions and more. He will share the hierarchy of controls and the role hearing protection plays and the future plans on revising the noise reduction rating (NRR) of hearing protectors. You will also learn techniques for motivating workers to wear their hearing protection and the development of a "Buy-Quiet and Quiet-By-Design" tool to reduce noise exposures in the workplace.*

### Silent Danger: The Five Crucial Conversations That Drive Workplace Safety

Shirley Poertner  
A Principal Associate of Vital Smarts  
Poertner Consulting Group LLC

*In a workplace safety study involving more than 1600 workers, the authors of Crucial Conversations discovered the phrase, "It was an accident waiting to happen" is true more often than not. The ugly secret behind most workplace injuries is that someone was aware of the threat well in advance, but was either unwilling or unable to speak up. Good safety practices require accountability across the organization to keep safety policies intact and working. In this interactive presentation, Ms Poertner will present skills for engaging more effectively when facing the five workplace threats - the threats that, due to cultural restraints, are especially likely to become un-discussables.*

### Workers' Compensation 101

Kerri Rupe, ARNP, FNP-C, COHN-S, DNP, FAANP  
Director of the Occupational Health Nursing Training Program  
University of Iowa, College of Nursing

*This session will cover the three rules used to protect employers from litigation by injured workers prior to the passage of workers' compensation laws, details about the workers' compensation system in Iowa, and the benefits and drawbacks of the current workers' compensation system.*

### Overhead Material Handling Equipment: What You Need to Know to Eliminate Injury and Stay Productive

Jon Wickstrom, President  
Duane Roth, Field Supervisor  
Iowa Hoist & Crane, Inc

*Learn the OSHA-required hoist and crane inspection requirements. Causes of common problems will be reviewed, and techniques for eliminating them. This session will also address additional material handling components which, although not required by OSHA, should be inspected to ensure a safe work environment. Operator training, responsibility, and inspections will be covered.*

# Breakout Sessions – 5 (Friday a.m.)

## **Environmental Health and Safety for Engineered Nanomaterials**

Thomas Peters, PhD

Associate Professor, Industrial Hygiene Program Director and Faculty

Heartland Center for Occupational Health & Safety

University of Iowa

*Discuss the relationship of engineered nanomaterials to environmental health and safety, including sources of nanomaterials, worker exposure routes, exposure control methods and outcomes of concern related to environmental health and safety.*

## **Management of Change: Preserving Internal Knowledge**

Shawn Zablocki

Group Leader

Olsson Associates

*Presentation will discuss elements and timing of Management of Change programs and focus on the retention and preservation of internal knowledge.*

## **Combustible Dust Management**

Sidney Fey

Property Risk Management Director

Nationwide Agribusiness Insurance

*Sidney will help identify the industries at risk for dust explosions, review the essential elements needed for a dust explosion to occur, and what NFPA and OSHA have to say regarding dust management. You will also learn about dust hazard identification, what circumstances will increase the risk of an incident, and measures that can be taken to mitigate the potential for dust explosions.*

## **Is There Silica in That Dust? - Part 1**

Scott Collingwood, PhD

Assistant Professor, Department of Pediatrics

University of Utah

*Silica exposures, particularly crystalline silica, are present within workplaces. Come learn about the common sources of silica exposure in construction and general industries and the potential health effects. Sampling methods for estimating silica exposures will be presented as well as methods on calculating time-weighted-averages (TWAs) and how they relate to regulatory limits. Ideas for silica exposure control strategies will be covered as well as anticipated regulatory changes.*

# Breakout Sessions – 6 (Friday a.m.)

## **Basics of Arc Flash Safety & NFPA 70E - Part 1**

Dave Sullivan  
Electrical Manufacturers Representative  
Joe Bertsch Sales Company

*This presentation explains what Arc Flash is, how it came to be, what your company needs to be doing, codes and standards, and what is involved in starting an Arc Flash Mitigation Program. It also breaks down the NFPA 70E and explains the chapters and how they apply to your company.*

## **Lean and Six Sigma Tools for ES&H Professionals**

Brion Hurley, CSSBB  
Principal Lean Consultant  
Rockwell Collins

*Examples presented and open discussion on ways in which process improvement tools can be applied to improve ES&H metrics.*

## **Emergency Response Planning, Business Continuity & Recovery**

Kevan Bakewell, CSP  
Senior ESH Specialist  
Rockwell Collins

*This session will present planning considerations from a lessons-learned perspective for business and leadership continuity using the Flood of 2008 at a large Cedar Rapids manufacturing company. ESH lessons learned for emergency response and contractor management will also be discussed.*

## **Is There Silica in That Dust? - Part 2**

Scott Collingwood, PhD  
Assistant Professor, Department of Pediatrics  
University of Utah

*Silica exposures, particularly crystalline silica, are present within workplaces. Come learn about the common sources of silica exposure in construction and general industries and the potential health effects. Sampling methods for estimating silica exposures will be presented as well as methods on calculating time-weighted-averages (TWAs) and how they relate to regulatory limits. Ideas for silica exposure control strategies will be covered as well as anticipated regulatory changes.*

# Breakout Sessions – 7 (Friday p.m.)

## Reviving an Existing Safety and Health Program

Mike Nielsen, CSP  
Safety Director  
Knutson Construction

*This session will review methods for energizing an existing safety program.*

## Basics of Arc Flash Safety & NFPA 70E - Part 2

Dave Sullivan  
Electrical Manufacturers Representative  
Joe Bertsch Sales Company

*This presentation explains what Arc Flash is, how it came to be, what your company needs to be doing, codes and standards, and what is involved in starting an Arc Flash Mitigation Program. It also breaks down the NFPA 70E and explains the chapters and how they apply to your company.*

## Continuous Improvement in Safety

Justin Woods  
Manufacturing Engineering Manager  
ALMACO

*This session will provide insight to how ALMACO has integrated its continuous improvement and safety management efforts. ALMACO utilizes lean manufacturing methodologies to improve all business functions including safety. Areas of focus include employee involvement, CI/Safety Culture, 5S, mistake proofing, and metrics. Justin Woods will also discuss his role in both CI and safety leadership.*

## Global Harmonization of Hazard Communication - Part 1

Kent A. Candee, CIH  
Environmental Health Services Manager  
EMC Insurance Companies

*Wouldn't it be nice if there was a uniform system for classifying chemicals and communicating their hazards? Well now there is. OSHA and countries around the world have changed or will soon be changing how chemical hazards are communicated. Starting with consistent information in safety data sheets (SDS), labels, and ending with comprehensive information and training for employers and employees. This session will introduce you to the Global Harmonization System and changes to the OSHA Hazard Communication Standard.*

## Breakout Sessions – 8 (Friday p.m.)

### **Iowa OSHA Inspection: What to Expect, Rights, Process, Roles and Responsibilities**

Tom Vander Linden  
Public Service Executive  
Iowa Division of Labor, IA OSHA Compliance

*This session will outline the process of a worksite inspection by Iowa OSHA including expectations, rights, roles and responsibilities.*

### **Excavation / Shoring Made Easy**

Andy Stoullil  
Trench Safety and Sales Representative  
United Rentals  
Eric Juhl  
Branch Manager  
United Rentals

*This session will review hardware options available that take the guess work out of excavation.*

### **Iowa Occupational Public Health Stats and Outbreaks**

Kathy Leinenkugel, MPA, REHS, MT  
Coordinator, Occupational Health & Safety Surveillance Program  
Iowa Department of Public Health, Division of Environmental Health

*What do workers at firing ranges, battery plants, stained glass shops, and housing renovation have in common? If you guessed lead exposure, you would be right. Many of Iowa's workers are exposed to this heavy metal on the job or through their leisure activities, and new findings about the long-term medical impacts for chronic disease may surprise you. The Iowa Department of Public Health Occupational Health & Safety Surveillance Program pulls together data for a NIOSH program tracking Occupational Health Indicators at the state level, and will share data and case studies on a variety of occupational injury and disease issues from recent years.*

### **Global Harmonization of Hazard Communication - Part 2**

Kent A. Candee, CIH  
Environmental Health Services Manager  
EMC Insurance Companies

*During the previous session you were introduced to the Global Harmonization System and the changes to the OSHA Hazard Communication standard. In this session we will work in groups to learn how to modify our current label system to the requirements of the changed or soon to be changed OSHA Hazard Communication standard.*