



# NOIRS 2000

*Pittsburgh, Pennsylvania  
October 17-19, 2000*

## AGENDA

**National Occupational  
Injury Research Symposium**

**CDC**  
CENTERS FOR DISEASE CONTROL  
AND PREVENTION

*National Institute for  
Occupational Safety and Health*  
**NIOSH**

**NOIRS 2000 AT A GLANCE**  
**DAY ONE**  
**Tuesday October 17, 2000**

7:30-8:30	Registration					
8:30-10:00	Opening Plenary P & LE and B & O					
10:00-10:30	Break					
10:30-12:00	Concurrent Session A					
	A1	A2	A3	A4	A5	A6
	Santa Fe	Atchison	Coach	Topeka	Pullman	Fountain View
	Special Population at Risk: The Aging Workforce	New Directions in Machinery Risk Assessment	Prevention of Occupationally-acquired Bloodborne Pathogen Infections	Injury Surveillance: Monitoring Workplace Health and Safety	Intervention and Evaluation: Farms and Adolescents	Social/Economic Impacts: Economics
12:00-1:30	Lunch					
1:30-3:00	Concurrent Session B					
	B1	B2	B3	B4	B5	B6
	Atchison	Pullman	Coach	Santa Fe	Topeka	
	Special Populations at Risk: Who Are They? What Are Their Injury Research Needs?	New Developments with ROPS for Tractors	Advancing Research in the Area of Social and Economic Consequences	Injuries in the Construction Industry I	Intervention and Evaluation: Work Organization	
3:00-3:30	Break					
3:30-5:00	Concurrent Sessions C					
	C1	C2	C3	C4	C5	C6
	Pullman	Santa Fe	Topeka	Coach	Atchison	Fountain View
	Childhood Agricultural Injury Prevention	Prevention of Deaths and Injuries Among Fire Fighters	Applications of the Case-Crossover Design in Occupational Injury Research	Injury surveillance: Mining	Intervention and Risk Factor Research	Engineering and Technology
5:30-7:30	Ice Breaker Social Sponsored by: American Society of Safety Engineers Reflections					

**NOIRS 2000 AT A GLANCE  
DAY TWO  
Tuesday October 17, 2000**

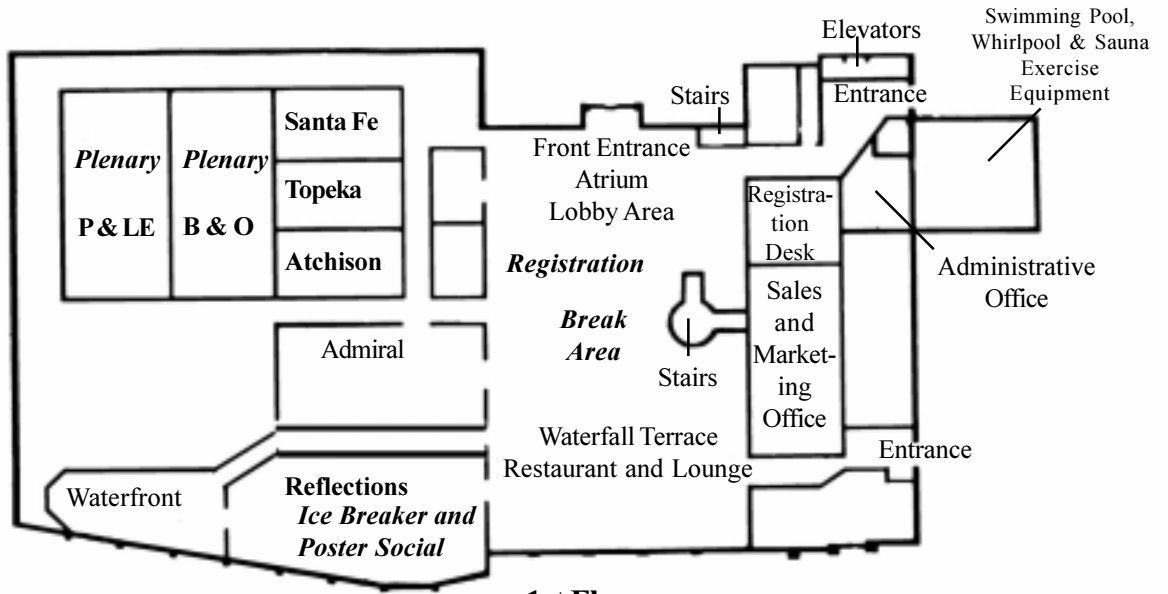
7:30-8:30	Registration					
	Concurrent Session D					
8:30-10:00	D1	D2	D3	D4	D5	D6
	Coach	Santa Fe	Topeka	Fountain View	Atchison	Pullman
	Tribology of Slip and Falls I	Alaska's Model Program for Surveillance and Prevention of Occupational Injuries	Challenges in Assessing Exposure to Occupational Injury Hazards	Injury Surveillance: Fire Fighter Safety	Intervention and Evaluation: Construction	Special Populations
10:00-10:30	Break					
	Concurrent Session E					
10:30-12:00	E1	E2	E3	E4	E5	E6
	Fountain View	Santa Fe	Pullman	Topeka	Coach	Atchison
	Tribology of Slip and Falls II	Surveillance and Intervention Programs Targeting Injuries in the Construction Industry	Young Worker Injuries: Innovative Interventions and Evaluation Challenges	Injury Surveillance: Fatality Assessment and Control Evaluation (FACE)	Injury Risk Factors	Social/Economic Impacts II
12:00-1:30	Lunch					
	Concurrent Session F					
1:30-3:00	F1	F2	F3	F4	F5	F6
	Atchison	Pullman		Coach	Topeka	Santa Fe
	Biomechanics of Slips and Falls	Workplace Violence Research: Past, Present and Future		Injury Surveillance: Needlestick/ Eye Injuries	Safety Communications and Training: Methods and Results	Injuries in the Construction Industry II
3:00-3:30	Break					
	Concurrent Session G					
3:30-5:00	G1	G2	G3	G4	G5	G6
	Atchison	Pullman	Topeka	Fountain View	Santa Fe	
	The NIOSH Fatality Assessment and Control Evaluation Project's Role in the Reduction of Occupational Fatalities	Work-Related Burn and Amputation Surveillance: A Snapshot in time of the surveillance results of Colorado, Kentucky, Utah and Minnesota	From Virtual Reality to Reality	Injury Surveillance and Intervention Evaluation: Selected Workplaces	Safety Communications and Training: Simulation Exercises	
5:30-7:30	Poster Social Sponsored by: Liberty Mutual Research Center for Safety and Health Reflections					

**NOIRS 2000 AT A GLANCE  
DAY THREE  
Tuesday October 17, 2000**

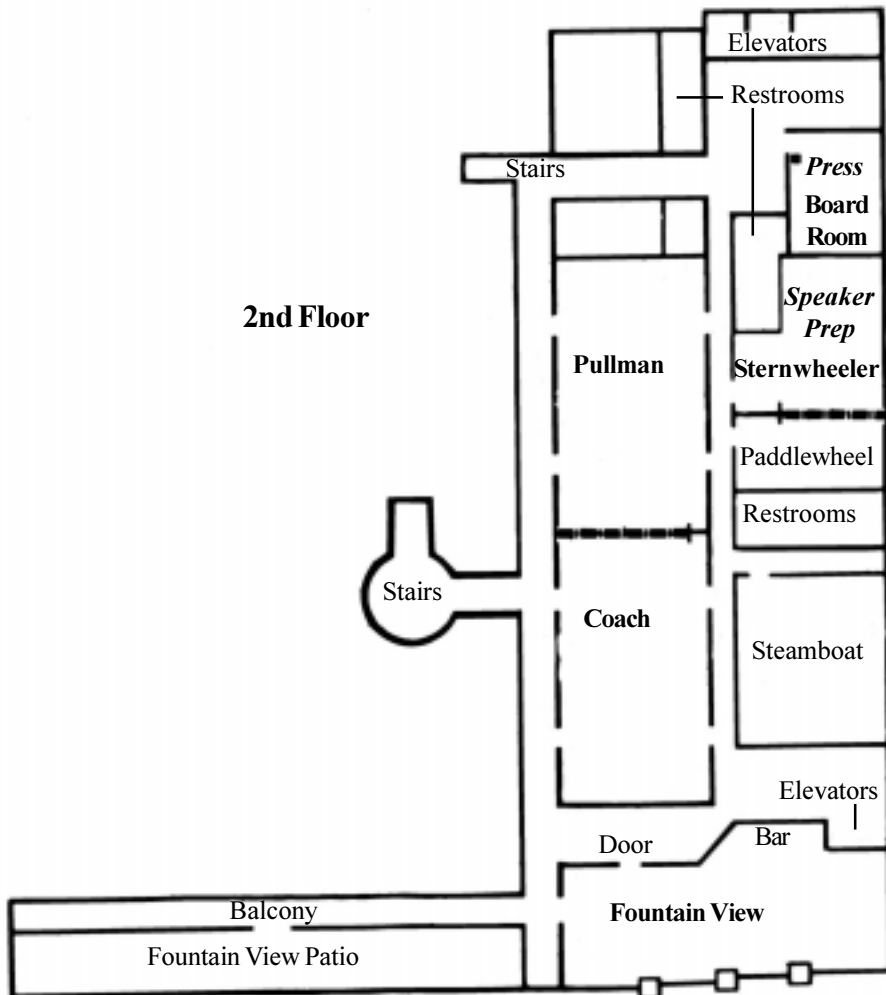
7:30-8:30	Registration					
	Concurrent Sessions H					
	H1	H2	H3	H4	H5	H6
	Santa Fe	Topeka	Fountain View	Pullman	Atchison	Coach
8:30-10:00	Vehicle-Related Transportation Fatalities in the Workplace: Research and Prevention Strategies	Training Intervention Effectiveness Research (TIER)	Cross-cutting Mining Research for Injury Prevention in Other Industries	Injury Surveillance: Traumatic Injury Studies	Other Topics: International Comparison	Other Topics: State Experience
10:00-10:30	Break					
10:30-12:00	Closing Plenary P & LE and B & O					



# Sheraton Hotel Floorplan



**1st Floor**



**2nd Floor**



**National Occupational Injury Research Symposium 2000--Final Agenda**

**7:30 - 8:30 a.m. REGISTRATION**

**8:30 - 10:00 a.m. OPENING PLENARY SESSION  
P & LE and B & O**

Welcome by Dr. Nancy A. Stout, Director, NIOSH, Division of Safety Research

The Importance and Impact of Occupational  
Injury Research from the National Perspective

**Dr. Linda Rosenstock**  
Director  
NIOSH

**Mr. Charles Jeffress**  
Assistant Secretary of Labor  
for Occupational Safety and Health  
OSHA

**Ms. Margaret Seminario** (invited)  
Director of Occupational Safety and Health  
AFL-CIO

**10:00 - 10:30 a.m. BREAK**

**10:30 a.m. - 12:00 p.m. CONCURRENT SESSION: A**

**Session: A1.0 - Santa Fe Room**

*Title: Special Population at Risk: The Aging Workforce*

*Category: Special Session*

*Organized by Suzanne Marsh, National Institute for Occupational Safety and Health*

*Moderator(s): David Wegman*

- A1.1: The Aging Workforce: Demographic Trends and Factors Affecting the Risk of Injury (10:40 a.m.)  
Grosch JW
- A1.2: Occupational Fatalities Among Older Workers in the United States (11:00)  
Marsh SM, Myers J
- A1.3: Nonfatal Workplace Injuries to Older Workers: Evidence from the BLS Survey of Occupational Injuries and Illness (11:20)  
Ruser J
- A1.4: Injury Rates Among Women and Older Workers in Metal Manufacturing (11:40)  
Cullen M



10:30 a.m. - 12:00 p.m.

CONCURRENT SESSION: A (continued)

**Session: A2.0 - Atchison Room***Title: New Directions in Machinery Risk Assessment**Category: Special Session**Organized by Mike Taubitz, General Motors Corporation and John Etherton, National Institute for Occupational Safety and Health**Moderator(s): Mike Taubitz and John Etherton*

- A2.1: Risk Assessment Developments in the USA (10:30 a.m.)  
Taubitz M
- A2.2: Perspectives on International Machinery Risk Assessment (10:45)  
Raafat, H
- A2.3: Risk Management for Machinery-related Injury Prevention (11:00)  
Russell J
- A2.4: Developing Teaching Aides for Machine Safety (11:15)  
Roudebush C

**Session: A3.0 - Coach Room***Title: Prevention of Occupationally-acquired Bloodborne Pathogen Infections**Category: Special Session**Organized by the NIOSH HIV Activity**Moderator(s): Janice Huy and Linda Chiarello*

- A3.1: Using EPINet Surveillance Data to Support Public Policy (10:30 a.m.)  
Jagger J
- A3.2: Health Risks in Correctional Health Care Workers: Recent Findings (10:45)  
Gershon R, Mitchell C, Vickers D, Felknor S, Nemhauser J, Trout D, Ballard R, Vlahov D
- A3.3: Improved Compliance with Universal Precautions Among Operating Room and Emergency Department Personnel for Two Years Following an Educational Intervention (11:00)  
Fraser V, Kim L, Jeffe D, Evanoff B, Freeman B
- A3.4: A Community Hospital Intervention Program to Prevent Percutaneous Injury Among Health Care Workers (11:15)  
Doebbeling BN, Beekmann SE, McCoy KD, Ferguson KJ, Woolson RF, Vaughn TE, Torner JC, Grosch JW, Murphy L

**Session: A4.0 - Topeka Room***Title: Monitoring Workplace Health and Safety**Category: Injury Surveillance**Moderator(s): Stephen McCurdy*

- A4.1: Evaluating Targeting Strategies to Identify Hazardous Employers (10:30 a.m.)  
Neuhauser FW, Ellwood J

**10:30 a.m. - 12:00 p.m.                      CONCURRENT SESSION: A (continued)**

- A4.2: Failure of Surveillance Based on OSHA Recordkeeping Rules to Detect Potentially Fatal Incidents Involving Robots (10:45)  
Reeve GR, Rynard SM, Pastula ST, Howe J, Smitt R
- A4.3: An Eight Year Review of Construction Fatalities Without Accident Prevention Programs (11:00)  
McReynolds MC, Smith HG, Deckert RE, Taheri PA
- A4.4: The Impact of OSHA Inspections on Injury Rates (11:15)  
Mendeloff JM, Gray W
- A4.5: Fatal Occupational Injuries in a New Development Area in the People's Republic of China (11:30)  
Xia Z, Courtney TK, Sorock GS, Zhu J, Fu H, Liang Y, Christiani DC
- A4.6: Using a Corporate Website to Monitor Health and Safety at a Large Manufacturing Company (11:45)  
Reeve GR, Rynard SM, Fogleman MT

**Session: A5.0 - Pullman Room***Title: Farms and Adolescents**Category: Intervention and Evaluation**Moderator(s): Dennis J. Murphy*

- A5.1: Evaluation of a National Rural Youth Safety Initiative (10:30 a.m.)  
Lee BC, Westaby JD, Berg RL, Kiu L
- A5.2: Etiology and Consequences of Injuries Among Children in Farm Households: Regional Rural Injury Study-II (10:45)  
Gerberich SG, Gibson RW, French LR, Masten A, Renier C, Church TR, Luan X, Shutske J, Carr WP
- A5.3: Farm Work Injuries to Children on Kentucky Beef Cattle Farms (11:00)  
Browning SR, Westneat SC, Szeluga R
- A5.4: Case-control and Case-crossover Studies of Agriculture Related Injuries to Children and Adolescents (11:15)  
Alexander BH, Keifer, MC, Rivara FP

**Session: A6.0 - Fountain View Room***Title: Economics**Category: Social/Economic Impacts**Moderator(s): Thomas W. Camm*

- A6.1: Common Performance Measures for Canada's Occupational Safety and Health Agencies (10:30 a.m.)  
Warrack BJ
- A6.2: Earnings Loss from Occupational Injury: A Comparison of Six States (10:45)  
Biddle J, Boden L, Reville RT, Imbens G

**10:30 a.m. - 12:00 p.m.                      CONCURRENT SESSION: A (continued)**

- A6.3: Cost Effectiveness Methodologies Used To Evaluate the Impact of Workplace Injuries in Firefighters (11:00)  
Fabricant RA, Johnson LC, Beaton R
- A6.4: The Incidence and Costs of Acute Injuries from a Validated Injury Surveillance System at a U.S. Manufacturing Company (11:15)  
Reeve G, Rynard S
- A6.5: Where Is it Safest to Work: Ranking States by Occupational Injury and Illness Costs per Capita (11:30)  
 Waehrer GM, Miller TR, Leigh JP, Sheppard M
- A6.6: Years of Potential Life Lost in the National Traumatic Occupational Fatality Database (11:45)  
 Gilbert SJ, Bailer AJ, Stayner LT

**12:00 - 1:30 p.m.    LUNCH****1:30 - 3:00 p.m.    CONCURRENT SESSION: B****Session: B1.0 - Atchison Room**

*Title: Special Populations at Risk: Who Are They? What Are Their Injury Research Needs?*

*Category: Special Session*

*Organized by the NORA Special Populations at Risk Team*

*Moderator(s): Sherry Baron*

- Introduction: NORA Special Populations at Risk Team (1:30 p.m.)  
Sherry Baron
- B1.1: Special Populations at Risk: Who Are They? Why Are They a Priority? (1:40)  
Frumkin H
- B1.2: Work Injuries and Age: Is the News All Bad? (1:55)  
Wegman DH
- B1.3: Injury and Employment Patterns Among Hispanic Construction Workers (2:10)  
Hunting KL
- B1.4: Workers with Disabilities (2:25)  
Pransky GS

1:30 - 3:00 p.m.

**CONCURRENT SESSION: B** (*continued*)

**Session: B2.0 - Pullman Room**

*Title: New Developments with ROPS for Tractors*

*Category: Special Session*

*Organized by Dennis Murphy, Penn State University and John Etherton, National Institute for Occupational Safety and Health*

*Moderator(s): Dennis Murphy and John Etherton*

- B2.1: Policy Toward Increasing ROPS Use (1:30 p.m.)  
Myers M
- B2.2: Probability of Death During a Farm Tractor Overturn (1:45)  
Cole HP, McKnight RH, Reed DB, Browning SR, Struttmann TW, Piercy LR
- B2.3: Performance of the NIOSH AutoROPS (2:00)  
Powers J, Harris JR, Snyder KA, Ronaghi M, Etherton JR, Newbraugh BH
- B2.4: Analyzing the Effectiveness of Composite Materials for an Automatically Deployable ROPS Application (2:15)  
Glaessgen EH

**Session: B3.0 - Coach Room**

*Title: Advancing Research in the Area of Social and Economic Consequences*

*Category: Special Session*

*Organized by the NORA Social and Economic Consequences Team*

*Moderator(s): Elyce Biddle*

- Introduction and Overview: Elyce Biddle (1:30 p.m.)
- B3.1: Research Needs and Priorities for Determining the Social and Economic Consequences of Occupational Illness and Injury (1:40)  
Boden L
- B3.2: Estimating the Social Burden of Occupational Illness and Injury in the United States (1:55)  
Amick B, Christiani D, Katz J
- B3.3: Creating an International Data Repository for Workers' Compensation Research (2:10)  
Karll J
- B3.4: A Report on the Third International Conference on Measuring the Burden of Injury (2:25)  
Luchter S, MacKenzie E

Remaining time for discussion led by Elyce Biddle

**1:30 - 3:00 p.m.****CONCURRENT SESSION: B** (*continued*)**Session: B4.0 - Santa Fe Room***Title: Injuries in the Construction Industry I**Category: Injury Surveillance**Moderator(s): Matt Gillen*

- B4.1: Deaths and Injuries Caused by Falls Through Roof and Floor Openings and Surfaces, Including Skylights (1:30 p.m.)  
Bobick TG
- B4.2: The 1990's: Claims Management Versus Injury Management (1:45)  
Alberg NM
- B4.3: Struck-by Injuries to Construction Workers (2:00)  
Welch LS, Hunting KL
- B4.4: Occupational Fatalities in the U.S. Highway Construction Industry, 1992-1997 (2:15)  
Pratt SG
- B4.5: In-depth Analyses of Falls From Heights in the Construction Industry (2:30)  
Kines PA

**Session: B5.0 - Topeka Room***Title: Work Organization**Category: Intervention Evaluation**Organized by the NORA Organization of Work Team**Moderator(s): Steven Sauter and Jane Lipscomb*

- B5.1: A Longitudinal Study of Workplace Organizational Factors and Injury Rates (1:30 p.m.)  
Gilbert JW, Shannon HS
- B5.2: When am I my Brother's Keeper? Defining Others' Safety and Well-Being as In-Role Versus Extra-Role Behavior (1:45)  
Hofmann DA, Morgeson FP
- B5.3: Cancelled (2:00)
- B5.4: Unintended Consequences: Organizational Practices and their Impact on Health and Safety (2:15)  
Kaminski MA
- B5.5: Organizational Factors and Return to Work Following Lost-Time Injury (2:30)  
Cole DC, Brooker AS, Clarke JC

**3:00 - 3:30 p.m.****BREAK**

3:30 - 5:00 p.m.

**CONCURRENT SESSION: C****Session: C1.0 - Pullman Room***Title: Childhood Agricultural Injury Prevention**Category: Special Session**Organized by David Hard, National Institute for Occupational Safety and Health**Moderator(s): David Hard*

- C1.1: Overview of the NIOSH Childhood Agricultural Injury Prevention Initiative (3:30 p.m.)  
Hard DL, Castillo DN, Myers JR, Pizatella TJ, Olenchock SA
- C1.2: NIOSH Approach to Childhood Agricultural Injury Surveillance (3:40)  
Myers JR
- C1.3: Agricultural Disability Awareness and Risk Education (AgDARE) (4:00)  
Reed DB, Kidd PS, Rayens MK, Westneat SC
- C1.4: Health Professional Education to Promote Use of Childhood Agricultural Injury Prevention Guidelines (4:20)  
Shutske JM, Schermann M
- C1.5: National Children's Center for Rural and Agricultural Health and Safety (4:40)  
Lee BC

**Session: C2.0 - Santa Fe Room***Title: Prevention of Deaths and Injuries Among Fire Fighters**Category: Special Session**Organized by the NIOSH Fire Fighter Fatality Investigation and Prevention Program**Moderator(s): Richard Braddee*

- C2.1: Firefighter Fatality Statistics for 1999 (3:30 p.m.)  
Fahy RF
- C2.2: Fire Fatality Investigations: The NIOSH and IAFF Programs (3:45)  
Duffy RM
- C2.3: Overview of Program from a Volunteer Perspective (4:00)  
Schafer H
- C2.4: NIOSH Fire Fighter Fatality Investigation and Prevention Program (4:15)  
Braddee R
- C2.5: Hazards and Fires Involving Oxygen Regulators (4:30)  
Washenitz FC
- C2.6: Oxygen Regulators Testing and Standards (4:45)  
Stoltzfus J

3:30 - 5:00 p.m.

CONCURRENT SESSION: C (*continued*)**Session: C3.0 - Topeka Room***Title: Applications of the Case-Crossover Design in Occupational Injury Research**Category: Special Session**Organized by Gary Sorock, Liberty Mutual Research Center for Safety and Health**Moderator(s): Gary Sorock*Introduction by Gary Sorock (3:30 p.m.)

C3.1: Overview of Case-Crossover Methods for Injury Research (3:35)

Mittleman MA, Sorock GS, Lombardi DA

C3.2: Animal-Related Injuries to Veterinarians: Application of the Case-Crossover Design (3:50)

Gabel CL, Gerberich SG, Maldonado, G

C3.3: Transient Risk Factors for Occupational Acute Traumatic Hand Injury (4:05)

Sorock GS, Lombardi DA, Hauser R, Eisen EA, Herrick R, Racine R, Mittleman MA

C3.4: Temporal Factors and the Risk of Occupational Acute Hand Injury (4:20)

Lombardi DA, Sorock GS, Eisen EA, Herrick RF, Hauser RB, Racine R, Mittleman MA

Discussant: Gordon Smith (4:35)

Remaining time for discussion led by Gary Sorock**Session: C4.0 - Coach Room***Title: Mining**Category: Injury surveillance**Moderator(s): Lisa J. Steiner*

C4.1: An Analysis of Serious Injuries to Dozer Operators at U.S. Mining Sites (3:30 p.m.)

Wiehagen WJ, Mayton AG, Jaspal JS, Turin FE

C4.2: Haulage Truck Dump-Site Safety (3:45)

Turin FC, Wiehagen WJ, Jaspal JS, Mayton AG

C4.3: Evaluating Safety Interventions in the U.S. Mining Industry (4:00)

Coleman PJ, Kerkering JC

C4.4: Alternate Measures of Risk for Communicating Study Results: Comparisons (4:15)

of Injury and Chronic Disease Mortality in the NIOSH Colorado Uranium Miners Cohort

Park R, Stayner L, Bailer J, Gilbert S, Halperin W

3:30 - 5:00 p.m.

CONCURRENT SESSION: C (*continued*)**Session: C5.0 - Atchison Room***Title: Intervention and Risk Factor Research**Category: Intervention Evaluation**Moderator(s): Linda Goldenhar*

- C5.1: Evidence on the Effectiveness of Measures Recommended to Prevent Workplace Homicide (3:30 p.m.)  
Loomis D, Wolf S, Runyan CW, Marshall SW, Butts JD
- C5.2: Risk Factors for Violence Among Nurses: Methods and Preliminary Results (3:45)  
Gerberich SG, Church T, McGovern P, Hansen H, Nachreiner N, Geisser M, Watt G
- C5.3: Workplace-Level Risk Factors for Homicide on the Job (4:00)  
Loomis D, Wolf SH, Runyan CW, Butts JD, Marshall SW
- C5.4: Interventions for the Primary Prevention of Work-Related Carpal Tunnel Syndrome (4:15)  
Lincoln AE, Vernick JS, Ogaitis-Jones S, Smith GS, Mitchell CS, Agnew J
- C5.5 Cancelled (4:30)

**Session: C6.0 - Fountain View Room***Title: Engineering and Technology**Category: Engineering and Technology**Moderator(s): Karl A. Snyder*

- C6.1: Visual Reference Effect on Balance Control in Roof Work (3:30 p.m.)  
Simeonov PI, Hsiao H
- C6.2: Computational Simulation of Electrical ARC Parameters (3:45)  
Capelli-Schellpfeffer M, Miller GH
- C6.3: Development of a Computerized Audit Tool for Control of Construction Falls (4:00)  
Becker PE, Fullen MD, Akladios M, Carr M
- C6.4: Collision Warning Systems for Surface Mining Equipment (4:15)  
Ruff TM

5:30 - 7:30 p.m.

**ICE BREAKER SOCIAL**

Sheraton Station Square

Reflections Room

Sponsored by: American Society of Safety Engineers

*"Since 1911 the American Society of Safety Engineers has been the premier safety organization for those engaged in the practice of safety, health and the environment as well as serving the private and public sectors to protect people, property and the environment. We commend those participating in this year's agenda-setting National Occupational Injury Research Symposium for their continued dedication to identifying workplace safety issues and developing and presenting possible remedies in an effort to reduce death and injury in the workplace, the home, on the roads and in the air."—Samuel J. Gualardo, President, American Society of Safety Engineers Des Plaines, IL*



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 National Occupational Injury Research Symposium 2000--*Final Agenda*

7:30 - 8:30 a.m.

## REGISTRATION

8:30 - 10:00 a.m.

## CONCURRENT SESSION: D

**Session: D1.0 - Coach Room***Title: Tribology of Slip and Falls I**Category: Special Session**Organized by Mark Redfern, University of Pittsburgh**Moderator(s): Mark Redfern*

- D1.1: Field Evaluation of Two Commonly Used Slipmeters (8:30 a.m.)  
Chang WR, Cotnam J
- D1.2: The Impact of Neolite® Test-Foot Variability and Tribometer Type on Slip Resistance Measurements (8:50)  
Sapienza MA
- D1.3: The Evaluation of Two Commonly Used Slipmeters: The Repeatability and the Effect of Slip Criteria (9:10)  
Chang WR
- D1.4: Precision and Bias Testing of the English XL Variable Incidence Tribometer and the Brungraber Mark II Portable Inclinable Articulated Strut Slip Tester (9:30)  
Flynn JE, Underwood DC

**Session: D2.0 - Santa Fe Room***Title: Alaska's Model Program for Surveillance and Prevention of Occupational Injuries**Category: Special Session**Organized by George Conway, National Institute for Occupational Safety and Health**Moderator(s): George Conway*

- D2.1: Alaska's Model Program for Surveillance and Prevention of Occupational Injury Deaths (8:30 a.m.)  
Conway GA, Lincoln JM, Husberg BJ, Manwaring JC, Klatt ML, Thomas TK
- D2.2: Preventing Fatalities and Severe Non-fatal Injuries in Alaska's Commercial Fishing Industry (8:45)  
Lincoln JM, Husberg BJ, Conway GA
- D2.3: Pilot Inexperience May Increase the Hazards in Alaska, 1990-1998 (9:00)  
Bensyl DM, Manwaring J, Conway GA
- D2.4: Partnerships for Surveillance and Prevention of Occupational Aviation Injuries in Alaska (9:15)  
Manwaring JM, Bensyl DM, Conway GA, Perry D, Kobelnyk, G
- D2.5: Fatality Assessment and Control Evaluation in Alaska (9:30)  
Choromanski DM
- D2.6: Surveillance and Prevention of Nonfatal Work-Related Injuries in Alaska (9:45)  
Husberg BJ, Conway GA

8:30 - 10:00 a.m.

CONCURRENT SESSION: D (continued)

**Session: D3.0 - Topeka Room**

*Title: Challenges in Assessing Exposure to Occupational Injury Hazards*

*Category: Special Session*

*Organized by Dana Loomis, Department of Epidemiology, University of North Carolina*

*Moderator(s): Dana Loomis*

- Introduction by Dana Loomis (8:30 a.m.)
- D3.1: Dealing with Variability of Hazards in Occupational Injury Epidemiology (8:40)  
Kromhout H, Loomis D
- D3.2: Variability, Measurement, and Analysis of Hours of Exposure in a Cohort of Fishers (9:00)  
Marshall SW
- D3.3: Measuring Transient Occupational Injury Exposures (9:10)  
Sorock GS, Lombardi DA, Hauser R, Eisen EA, Herrick R, Mittleman MA
- Panel discussion and questions from the floor led by Dana Loomis

**Session: D4.0 - Fountain View Room**

*Title: Fire Fighter Safety*

*Category: Injury Surveillance*

*Moderator(s): Thomas P. Mezzanote*

- D4.1: Traumatic Occupational Injury Fatalities to Fire Service Personnel, 1992-1998 (8:30 a.m.)  
Ta ML, Fosbroke DE
- D4.2: The Relation Between Age & Duty-related Injuries in Urban Fire Fighters I (8:45)  
Beaton R, Johnson LC, Salazar M, Murphy S
- D4.3: A Prospective Longitudinal Study of Duty Related Injuries in Urban Fire Fighters (9:00)  
Johnson LC, Beaton R, Lewis E, Ollis T
- D4.4: Fire Fighter Fatality Reports and Their Importance to the Volunteer Fire Service (9:15)  
Schafer HS

**Session: D5.0 - Atchison Room**

*Title: Construction*

*Category: Intervention Evaluation*

*Moderator(s): Robert Chapman*

- D5.1: Fall-safe Intervention and Research (8:30 a.m.)  
Becker PE, Fullen MD, Akladios M
- D5.2: Differences in Injury Intervention Implementation Among Small Union Carpentry Firms in New England (8:45)  
Siqueira E, Halperin K, Ginieres M

**8:30 - 10:00 a.m. CONCURRENT SESSION: D** (*continued*)

- D5.3: A Controlled Prospective Injury Intervention for Small Union Carpentry Firms in New England (9:00)  
Halperin KM, Cameron W, McDougall V
- D5.4: Worker and Manager Perceptions of Construction Safety Practices (9:15)  
Gillen M, McCall C, Sum J, Kools S, Moulden K

**Session: D6.0 - Pullman Room***Title: Special Populations**Category: Special Populations**Moderator(s): Letitia Davis*

- D6.1: The Prevalence and Patterns of Occupational Injury in South Texas Middle School Students (8:30 a.m.)  
Weller NF, Cooper SP, Tortolero SR, Kelder SH, Hassan S
- D6.2: The Prevalence and Risk Factors Related to Falls During Pregnancy (8:45)  
Dunning K, Lemasters G, Bhattacharya A, Levin L
- D6.3: Fatal Occupational Injuries Among Hispanic Workers of Texas (9:00)  
Mireles MC, Richardson S, Herrmann K
- D6.4: Reducing Injury Risk of Students in Vocational-technical Schools and Young Workers in Small Businesses (9:15)  
Palassis J, Sweeney MH
- D6.5: Report on Young Teens' Experience with Occupational Health and Safety Issues: A Pilot Study (9:30)  
Simoyi P, Frederick L, Niezen C, Hobbs G
- D6.6: Latino Immigrant Workers in Residential Construction: A Qualitative Study of Risk Factors (9:45)  
O'Connor T

**10:00 - 10:30 a.m. BREAK****10:30 a.m. - 12:00 p.m. CONCURRENT SESSION: E****Session: E1.0 - Fountain View Room***Title: Tribology of Slip and Falls II**Category: Special Session**Organized by Wen-Ruey Chang, Liberty Mutual Research Center for Safety and Health**Moderator(s): Wen-Ruey Chang*

- E1.1: The Contribution of Dry Contaminants to Slip Potential (10:30 a.m.)  
Thorpe SC, Lemon PW
- E1.2: Comparison of Coefficient of Friction Requirements During Gait to Tribometry Measurements: Evaluation of Shod and Barefoot Conditions at Various Walking Speeds (10:50)  
Powers CM, Burnfield JM, Brault JR, Flynn JE

10:30 a.m. - 12:00 p.m.

CONCURRENT SESSION: E (*continued*)

- E1.3: Measuring the Exposure to Slipping Hazards: A Novel Test Device (11:10)  
Gronqvist R, Hirvonen M, Rajamaki E, Polvi P, Chang WR
- E1.4: Validating Slipmeters: Aspects of Conformity Between Test Feet and Floor Surfaces (11:30)  
Bowman R, Angelopoulos TA

**Session: E2.0 - Santa Fe Room**

*Title: Surveillance and Intervention Programs Targeting Injuries in the Construction Industry*

*Category: Special Session*

*Organized by T. J. Lentz, National Institute for Occupational Safety and Health*

*Moderator(s): T. J. Lentz*

- E2.1: Survey Shows Commitment to Safety by Large Construction Firms Produces Results (10:30 a.m.)  
Hinze J
- E2.2: Evaluation of the OSHA Construction Accident Reduction Emphasis (CARE) Program in Florida (10:50)  
Harrison, T
- E2.3: Fall Protection Emphasis within OSHA's Region V (11:10)  
Medlock R
- E2.4: An Unconventional Surveillance Tool for Tracking Construction Projects in the State of Illinois (11:30)  
Broderick T

**Session: E3.0 - Pullman Room**

*Title: Young Worker Injuries: Innovative Interventions and Evaluation Challenges*

*Category: Special Session*

*Organized by the NORA Special Populations at Risk and Intervention Effectiveness Research Teams*

*Moderator(s): Dawn Castillo*

- E3.1: Injuries to Young Workers: An Overview (10:30 a.m.)  
Davis L
- E3.2: Expanded Opportunities for Prevention of Young Worker Injuries (10:40)  
Sinclair R
- E3.3: Coordinated State Efforts to Prevent Young Worker Injuries (10:48)  
Miara C
- E3.4: Community-Based Efforts to Prevent Young Worker Injuries in an Ethnic Community (11:06)  
Guihama J
- E3.5: School-based Efforts to Prevent Young Worker Injuries (11:24)  
Hillmer TG

Discussion: Methods for Evaluating Occupational Injury Prevention Efforts that Expand Beyond the Workplace, led by Linda Goldenhar and Catherine Heaney

10:30 a.m. - 12:00 p.m.

CONCURRENT SESSION: E (*continued*)**Session: E4.0 - Topeka Room***Title: Fatality Assessment and Control Evaluation (FACE)**Category: Injury Surveillance**Moderator(s): William Hetzler*

- E4.1: Identification and Evaluation of Injury Circumstances Contributing to Crane-related Occupational Fatality (10:30 a.m.)  
Moore PH, Pratt SG
- E4.2: Work-related Fatalities in West Virginia: A Summary of Surveillance, Investigation, and Prevention Activities - July 1996 through December 1999 (10:45)  
Helmkamp JC, Lundstrom WJ, Williams JM
- E4.3: Functional Limitations Leading to Fatal Work Injuries of Farmers in Wisconsin (11:00)  
Tierney JM, Hanrahan LP
- E4.4: The Washington State Fatality Assessment and Control Evaluation (FACE) Program: High Risk Populations (11:15)  
Cohen MA, Sjostrom T, Clark R

**Session: E5.0 - Coach Room***Title: Injury Risk Factors**Category: Injury Risk Factors**Moderator(s): Christine Branche*

- E5.1: Race Modifies Other Risk Factors for Knee-related Disability Among Women in the U.S. Army (10:30 a.m.)  
Sulsky S, Mundt K, Bigelow C, Amoroso P
- E5.2: Toward a Typology of Dynamic and Hazardous Work Environments (10:45)  
Scharf T, Vaught C, Kidd P, Steiner L, Kowalski K, Wiehagen B, Cole H
- E5.3: Indicators of Lift Readiness and Lift Posture in Patients with Low Back Pain (11:00)  
Dionne CP, Smith SS
- E5.4: Fatal and Nonfatal Injuries Among Public Sector Employees (11:15)  
Windau JA, Drudi D
- E5.5: Nonfatal Occupational Injuries Among African-American Women by Industry (11:30)  
Chen GX, Hendricks KJ
- E5.6: Occupational Fatalities Among Emergency Medical Services (EMS) Providers in the U.S.: A Comprehensive Review of the 1992 to 1997 Data from CFOI, FARS and the National EMS Memorial Service (11:45)  
Maguire BJ, Hunting KL

10:30 a.m. - 12:00 p.m.

CONCURRENT SESSION: E (*continued*)

**Session: E6.0 - Atchison Room**

*Title: Social/Economic Impacts II*

*Category: Social/Economic Impacts II*

*Moderator(s): Elyce A. Biddle*

- E6.1: The Economic and Social Consequences of Injury at Sand and Gravel Operations (10:30 a.m.)  
Camm TW, Ferch S, Boldt CMK
- E6.2: Earnings Losses from Permanent Disability at Private Self-Insured Employers in California (10:45)  
Reville RT
- E6.3: The Cost and Consequences of Work-Related Assaults (11:00)  
McGovern P, Kochevar L, Lohman W, Zaidman B, Gerberich S, Nyman J, Findorff M
- E6.4: Followup Study of Musculoskeletal Injuries Among Construction Workers (11:15)  
Hunting KL, Welch LS, Hsu L
- E6.5: Detection, Disease Management, and Compensation: Health and Economic Outcomes of Occupational Carpal Tunnel Syndrome Among Garment Workers in New York City (11:30)  
Fahs MC, Kontos NJ, Herbert R, Plattus R, Job L, Alcala M, Berliner H
- E6.6: The Concentration of Workers' Compensation Expenditures in a Construction Workforce: Implications for Cost Containment (11:45)  
Bondy J, Glazner JE

12:00 - 1:30 p.m.

LUNCH

1:30 - 3:00 p.m.

CONCURRENT SESSION: F

**Session: F1.0 - Atchison Room**

*Title: Biomechanics of Slips and Falls*

*Category: Special Session*

*Organized by Raoul Gronqvist, Liberty Mutual Research Center for Safety and Health*

*Moderator(s): Raoul Gronqvist*

- F1.1: Adjustments in Gait Biomechanics on Potentially Slippery Floors (1:30 p.m.)  
Cham R, Redfern MS
- F1.2: Safety on Stairs: Biomechanical and Visual Factors (1:50)  
Cavanagh PR, Owens DA, Startzell JK, Christina KA, Okita N, Milner CE
- F1.3: Slip Potentials During Load Carrying (2:10)  
Redfern MS, Cham R
- F1.4: Method of Expressing Slipperiness in Gait (2:30)  
Noguchi T

1:30 - 3:00 p.m.

CONCURRENT SESSION: F (continued)

**Session: F2.0 - Pullman Room***Title: Workplace Violence Research: Past, Present and Future**Category: Special Session**Organized by Lynn Jenkins, National Institute for Occupational Safety and Health**Moderator(s): Lynn Jenkins*

- F2.1: History and Status of NIOSH Research on Workplace Violence (1:30 p.m.)  
Jenkins L
- F2.2: Evaluation of Risk Factors for Robbery and Employee Injury and Compliance (1:50)  
to a Workplace Violence Intervention in High-risk Business Settings  
Casteel C, Peek-Asa C
- F2.3: Evaluation of OSHA Guidelines on Preventing Violence in Mental Health Settings (2:10)  
Lipscomb J, Rosen J
- F2.4: Workplace Violence Intervention Research: An Agenda for Action (2:30)  
Merchant J, Lundell J, Zwerling C

**Session: F4.0 - Coach***Title: Needlestick/Eye Injuries**Category: Injury Surveillance**Moderator(s): Thomas K. Hodous*

- F4.1: Injuries and Illnesses in Nurses in Delhi (1:30 p.m.)  
Joshi TK, Jugal K, Sagar B, Singh B
- F4.2: Sharps-related Injuries in California Healthcare Facilities: Preliminary Results (1:45)  
from the Sharps Injury Registry  
Gillen M, Davis M, Lewis J, McNary J, Boyd A, Curran C, Cone J
- F4.3: Characterization of Needlestick Injuries and Development of Prevention (2:00)  
Strategies  
Frederick LJ, Williams JM
- F4.4: Does Occupational Exposure Account for Excess Injury Risk: Serious Eye (2:15)  
Injuries in the U.S. Army  
Smith GS, Lincoln AE, Wong TY, Amoroso PJ, Vinger PF, Bell NS

**Session: F5.0 - Topeka Room***Title: Methods and Results**Category: Safety Communications and Training**Moderator(s): Paul A. Schulte*

- F5.1: Using the Extended Parallel Process Model to Develop and Evaluate Silicosis (1:30 p.m.)  
Prevention Materials for Masonry Workers and Contractors  
Day BT, Tan-Wilhelm D
- F5.2: Expert Systems for Communication in Occupational Safety and Health (1:45)  
Botkin A

**1:30 - 3:00 p.m.**

**CONCURRENT SESSION: F (continued)**

- F5.3: Key Learnings from Electrical Safety Workshops Sponsored by IEEE 1992-2000 (2:00)  
Floyd HL, Eastwood K, Bonner S, Jamil S, Liggett DP, Pace DA, Satish C
- F5.4: Agricultural Commodity Based Safety Programming: Using Florida Citrus (2:15)  
as a Model  
Lehtola CJ, Brown CM, Andrews LE
- F5.5: Evaluating the Effectiveness of a Tailored Website for Construction Safety (2:30)  
and Health  
Donlin M, Linn H, Olevitch L, Tan-Wilhelm D, Day B, Lukwago S,  
Kreuter M, Rowel R

**Session: F6.0 - Santa Fe Room**

*Title: Injuries in the Construction Industry II*  
*Category: Special Populations: Construction*  
*Moderator(s): David E. Fosbroke*

- F6.1: Contractor Safety Practices and Injury Rates During Construction of (1:30 p.m.)  
Denver International Airport  
Glazner JE, Borgerding J, Bondy J, Lowery JT, Lezotte DC, Kreiss K
- F6.2: Analysis of Construction Injury Burden by Type of Work (1:45)  
Lowery JT, Glazner JE, Borgerding JA, Bondy J, Lezotte DC, Kreiss K
- F6.3: Work-related Falls in Residential and Drywall Carpentry (2:00)  
Lipscomb HJ, Dement JM, Li L, Nolan J, Patterson D
- F6.4: Nail Gun Injuries in Construction: Need for Gun Control? (2:15)  
Dement JM, Lipscomb HJ, Li L, Nolan J, Patterson D
- F6.5: Eye Injuries at a Large Construction Project: A Better Understanding Through (2:30)  
Compensation Data and Injury Investigations  
Jackson LL, Borgerding JA, Lowery JT, Glazner JE

**3:00 - 3:30 p.m.**

**BREAK**

**3:30 - 5:00 p.m.**

**CONCURRENT SESSION: G**

**Session: G1.0 - Atchison Room**

*Title: The NIOSH Fatality Assessment and Control Evaluation Project's Role in the Reduction of Occupational Fatalities*  
*Category: Special Session*  
*Organized by Virgil Casini, National Institute for Occupational Safety and Health FACE Team*  
*Moderator(s): Paul Moore*

- G1.1: Overview of the National Institute for Occupational Safety and Health (3:30 p.m.)  
(NIOSH) Fatality Assessment and Control Evaluation (FACE) program  
Higgins D
- G1.2: New Jersey FACE Investigation Leads to Legislative Changes (3:48)  
Bost P



3:30 - 5:00 p.m.

**CONCURRENT SESSION: G** (*continued*)

- G1.3: Youth Farm Worker Is Killed in PTO Driveline Entanglement (4:06)  
Johnson WE
- G1.4: The NIOSH, OSHA, NATE Partnership for the Prevention of Injury (4:24)  
to Telecommunication Tower Construction and Maintenance Workers  
Casini VJ
- G1.5: Dissemination of Products from the Fatality Assessment and Control (4:42)  
Evaluation Program  
Morton L

**Session: G2.0 - Pullman Room**

*Title: Work-Related Burn and Amputation Surveillance: A Snapshot in Time of the Surveillance Results of Colorado, Kentucky, Utah and Minnesota*

*Category: Special Session*

*Organized by the Traumatic Injury SENSOR State grantees*

*Moderator(s): Wayne Ball*

- G2.1: Experience Of Kentucky SENSOR Occupational Burn Surveillance (3:40 p.m.)  
Scheerer A, Struttman TW
- G2.2: Work-Related Burn Surveillance Program in Utah (3:55)  
Marsden R
- G2.3: Work-related Burn Surveillance in Colorado: 1989-1997 (4:10)  
McCammon J
- G2.4: Amputation Surveillance in Minnesota (4:25)  
Parker DL, Boyle D, Larson T

Remaining time for discussion led by Wayne Ball

**Session: G3.0 - Topeka Room**

*Title: From Virtual Reality to Reality*

*Category: Special Session*

*Organized by Hongwei Hsiao, National Institute for Occupational Safety and Health*

*Moderator(s): Hongwei Hsiao*

- G3.1: Virtual Reality for Safe Equipment Operation (3:30 p.m.)  
Hollands R
- G3.2: Employing Virtual Reality Simulations of Agricultural Tractor Operation for (3:39)  
Assessing Safe Behavior Among Youth - A Feasibility Study  
Stredney D, Sessanna D, Bryan J, Heaney C, Bean T, Wilkins III JR
- G3.3: Safe Work at Elevation Through Virtual Reality Simulation (3:48)  
Dotson B, Hsiao H
- G3.4: Driving Safety and Simulation Technology (3:57)  
Tabacchi J, Guzman A, Grace R

3:30 - 5:00 p.m.

**CONCURRENT SESSION: G** (*continued*)

- G3.5: Fire Dynamics Simulator (4:06)  
McGrattan K, Forney G, Madrzykowski D

Discussion led by Hongwei Hsiao: Applicability of virtual reality and its future directions for worker safety and health

**Session: G4.0 - Fountain View Room**

*Title: Selected Workplaces*

*Category: Injury Surveillance and Intervention Evaluation*

*Moderator(s): Anne-Marie Feyer*

- G4.1: Fatal Occupational Injuries in the U.S. Rail Transportation Industry (3:30 p.m.)  
Fosbroke DE, Moore PH
- G4.2: Transportation Incidents - The 500 Pound Gorilla of Occupational Injuries (3:45)  
Luchter S
- G4.3: Impact of a Design Modification in Modern Firefighting Uniforms on Burn Prevention Outcomes in New York City Firefighters - Intervention Evaluation (4:00)  
Prezant D, Freeman K, Kelly K, Malley K, Karwa M, McLaughlin M, Hirschhorn R, Brown A
- G4.4: The Impact of Protective Hoods and Their Water Content on Firefighter Burn Injuries: Laboratory Tests and Field Results - Intervention Evaluation (4:15)  
Prezant DJ, Barker RL, Stull JO, King SJ, Rotanz RA, Malley KS, Bender M, Guerth C, Kelly KJ

**Session: G5.0 - Santa Fe Room**

*Title: Simulation Exercises*

*Category: Safety Communications and Training*

*Organized by Henry P. Cole, University of Kentucky*

*Moderator(s): Ted Scharf and Mike Colligan*

- G5.1: Cancelled (3:30 p.m.)
- G5.2: Simulation Exercises to Prevent Occupational Exposure to Blood and Other Body Fluids (3:45)  
Gershon RM, Karkashian, Christine D, Cole HP, Flanagan PA
- G5.3: Using a Narrative Simulation Exercise for Training Motorists to Avoid Collisions with Farm Machinery on Public Roads (4:00)  
Lehtola CJ, Cole HP, Bean TL, Piercy LR, Struttman TW, Westneat S
- G5.4: The Use and Impact of Narrative Simulations in the US Coal Industry (4:15)  
Vaught CV
- G5.5: Using Case-based Interactive Narrative Simulation Exercises to Prevent Occupational Injuries (4:30)  
Cole HP

5:30 - 7:30 p.m.

**POSTER SOCIAL****Reflections Room**

Sheraton Station Square

Sponsored by: Liberty Mutual Research Center for Safety and Health

*“For years the Liberty Mutual Research Center has been concerned about the seriousness of occupational injury. We are pleased to support this poster session and to help advance the NOIRS mission to advance research in this area.”—Tom Leamon, PhD, Vice President and Director, Liberty Mutual Research Center*

- PS.1: The Economic Impact of Occupational Fatalities, a Retrospective Study (1995-1998)  
Beaulieu AM, Leighton RW, Lim KC, Richards RF
- PS.2: Measuring the Economic Burden of Occupational Fatal Injuries in the United States, 1990-1995  
Biddle EA
- PS.3: The Practicality of Using Fault Tree Analysis to Improve Mine Safety  
Stewart W, Kerkering JC, Coleman P, Beus M, Iverson S
- PS.4: The Economic and Social Impact of Work-Related Carbon Monoxide Poisoning  
Chenoweth BA, Lim KC, Nadeau MR, Roy JC, Surette RI
- PS.5: Integrating Injury Research with Industry Experience to Develop Measures for Preventing Worker Injuries from Vehicles and Equipment in Highway Work Zones  
Fosbroke D, Pratt S, Burkhardt J, Marsh S, Casini V, Moore P, Smith G
- PS.6: Pilot Study of Transient Risk Factors for Sharps-Related Injuries in Health Care Workers  
Fisman DN, Harris AD, Sorock GS, Gordon K, Brandt G, Mittleman MA
- PS.7: Impact of a Changing U.S. Workforce on the Occupational Injury Experience, 1980-1994  
Hartley DL, Biddle EA
- PS.8: Five Workers Engulfed and Suffocated in Corn in Nebraska, 1999  
Hetzler WE
- PS.9: Fatality Assessment and Control Evaluation (FACE) Program: Recommendations for Preventing Injuries and Deaths of Workers Who Operate or Work Near Forklifts  
Higgins DN, Braddee RW
- PS.10: Eye Injury Prevention Among Mechanical Contractors  
Hsu L, Hunting KL, Welch LS
- PS.11: Work-related Acute Eye Injuries Presenting to the West Virginia University Hospital Emergency Department  
Inman CJ, Jackson LL, Helmkamp JC, Islam SS, Furbee PM
- PS.12: Occupational Homicide and Non-facility Based Workers  
Johnson RM, Loomis D, Wolf S, Gregory E
- PS.13: Cancelled
- PS.14: Perceived Postural Sway and Discomfort During Simulated Drywall Lifting and Hanging Tasks  
Long DJ, Pan CS, Chiou SS, Skidmore PO, Zwiener JY
- PS.15: Causes of Electrocutions Among Construction Workers  
McCann MF, Chowdhury RT
- PS.16: An Analysis of Falls by Construction Type Among Construction Workers  
McCann MF, Chowdhury RT
- PS.17: Work-related Injury Among California Migrant Hispanic Farm Workers  
McCurdy SA, Beaumont JJ, Wilson BW, Henderson J, Samuels SJ, Schenker MB,

- Morrin L, Carroll D
- PS.18: Do Complaints Take OSHA to Less Risky Workplaces?  
Mendeloff JM
- PS.19: Occupational Fatalities Associated with Harvesting and Handling Large Bales—United States, 1980-1998, Minnesota FACE, 1993-1999, Oklahoma FACE, 1995-1999  
Parker DL, Wahl GL, Douglas MR, Mallonee S, Archer PJ
- PS.20: Injury Surveillance Using Existing Workers' Compensation Medical Claims Data  
Peele PB, Stockman CK, Tollerud DJ
- PS.21: ICD-9-CM vs. ICD-10 for Coding Occupational Fatalities: Is ICD-10 Better, Worse, or Just Different?  
Pope MJ, Reed DK
- PS.22: Fatal Incidents Involving Farm Equipment on Public Roadways  
Reed DK, Struttman TW
- PS.23: A Cost Model for Traumatic Injuries in Mining  
Sacks HK, Pana-Cryan R
- PS.24: Experiences of Widows Following a Farm-related Fatality  
Scheerer A, Brandt V
- PS.25: Injuries Relating to Tobacco Farming in Kentucky  
Struttman TW, Caudill D, Reed DK
- PS.26: California Fatality Assessment and Control Evaluation (FACE): Summary of Occupational Fatalities in Los Angeles County 1992-1998  
Styles LE, Tibben R, Harrison R, Gillen M, Fowler J, Guerriero J
- PS.27: Epidemiology of Occupational Injury Among Cooks  
Velilla AM, Islam SS, Syamlal G, Ducatman AM

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**National Occupational Injury Research Symposium 2000--Final Agenda**

**7:30 - 8:30 a.m.****REGISTRATION****8:30 - 10:00 a.m.****CONCURRENT SESSION: H****Session: H1.0 - Santa Fe Room***Title: Vehicle-Related Transportation Fatalities in the Workplace: Research and Prevention Strategies**Category: Special Session**Organized by Stephanie Pratt, National Institute for Occupational Safety and Health**Moderator(s): Roger Rosa*

- H1.1: Occupational Pedestrian-Vehicle Collision Fatalities in the United States, (8:35 a.m.)  
1992-1997  
Strotmeyer SJ, Pratt SG
- H1.2: The Association of Age and Occupational Motor Vehicle-Related Fatalities (8:55)  
Dellinger AM, Pratt SG
- H1.3: Occupational Highway Fatalities Involving Semi-Trucks, United States, (9:15)  
1992-1997  
Pratt SG, Strotmeyer SJ
- H1.4: Traffic Crashes and Productivity Losses: What the Research Shows (9:35)  
Herbel SB

Remaining time for discussion led by Roger Rosa

**Session: H2.0 - Topeka Room***Title: Training Intervention Effectiveness Research (TIER)**Category: Special Session**Organized by Greg Loos, National Institute for Occupational Safety and Health**Moderator(s): Greg Loos*

- H2.1: Overview of the TIER Model (8:30 a.m.)  
Loos GP
- H2.2: Relationship of TIER to Injury Control (8:45)  
Loos GP
- H2.3: Electrical Safety Training (9:00)  
Fowler T
- H2.4: Future TIER Studies (9:15)  
Merry C

8:30 - 10:00 a.m.

**CONCURRENT SESSION: H** *(continued)***Session: H3.0 - Fountain View Room***Title: Cross-cutting Mining Research for Injury Prevention in Other Industries**Category: Special Session**Organized by Jeffrey Welsh, National Institute for Occupational Safety and Health**Moderator(s): Jeffrey Welsh*

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|-------|--|-------------|
| H3.1: | Session Introduction<br><u>Welsh JH</u>  | (8:30 a.m.) |
| H3.2: | Safety Issues in Blasting<br><u>Rehak TR, Bajpayee TS</u>  | (8:40)      |
| H3.3: | Identifying Fatal and Non-fatal Injuries Attributed to Water Well Drilling Operations<br><u>Matetic RJ, Ingram DK</u>  | (9:00)      |
| H3.4: | Protecting Workers from Electrocution Caused by Contact of Cranes, Haul Trucks and Drill Rigs with Overhead Power Lines: A New Approach<br><u>Cawley JC, Homce GT, Sacks HK, Yencheck MR</u> | (9:20)      |
| H3.5: | Development of the Hazard Recognition Training Module for Construction, Maintenance, and Repair Work Activities<br><u>Barrett EA, Rethi LL</u>   | (9:40)      |

**Session: H4.0 - Pullman Room***Title: Traumatic Injury Studies**Category: Injury Surveillance**Moderator(s): Letitia Davis*

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|-------|--|-------------|
| H4.1: | National Estimates of Traumatic Occupational Injury in the United States<br><u>Warner M, Fingerhut LA, Barnes P</u>                              | (8:30 a.m.) |
| H4.2: | Surveillance for Nonfatal Occupational Injuries and Illnesses Treated in Hospital Emergency Departments—United States, 1998<br><u>Jackson LL</u> | (8:45)      |
| H4.3: | Exposing U.S. Disabling Morbidity - The BLS Data Revisited<br><u>Courtney TK, Webster BS</u>   | (9:00)      |
| H4.4: | Safety Impacts of Peer-to-Peer Workplace Substance Abuse Prevention<br><u>Miller TR, Spicer RS, Becker LR, Nelkin VS, Sogie-Thomas B</u>         | (9:15)      |
| H4.5: | Mortality Patterns at a Large U.S. Manufacturing Company from 1974 through 1998<br><u>Reeve GR</u>   | (9:30)      |
| H4.6: | Traumatic Work-Related Fatal Injury Amongst Maori of New Zealand 1985-1994<br><u>McCracken SB, Feyer A-M, Langley JD, Broughton J</u>            | (9:45)      |

8:30 - 10:00 a.m.

CONCURRENT SESSION: H (continued)

**Session: H5.0 - Atchison Room***Title: International Comparison**Category: Other Topics**Moderator(s): Gordon Smith*

- H5.1: A Comparison of Work-Related Fatal Injuries to Agricultural Workers in Australia, New Zealand and the United States (8:30 a.m.)  
Horsburgh S, Marsh S, Feyer A-M, Langley J, Stout N, Williamson A, Driscoll T
- H5.2: Comparing the Causes of Work-Related Fatal Injuries in Australia, New Zealand and the United States Using Narrative Information (8:45)  
Williamson A, Feyer A-M, Stout N, Driscoll T
- H5.3: Cancelled
- H5.4: Older Workers: A Comparison of Work-Related Fatal Injuries in Australia, New Zealand, and the U.S. (9:00)  
Marsh SM, Horsburgh S, Usher H
- H5.5: Occupational Injury Mortality Rates: Comparison of New Zealand, Australia and the United States (9:15)  
Feyer A-M, Williamson A, Stout N, Driscoll T

**Session: H6.0 - Coach Room***Title: State Experience**Category: Other Topics**Moderator(s): James C. Helmkamp*

- H6.1: The Epidemiology of Serious Occupational Burn Injuries in Alabama (8:30 a.m.)  
Taylor AJ, McGwin G, Smith DR, Birmingham BR, Rue LW
- H6.2: Epidemiology of Work-related Burn Injuries: Experience of a State Managed Workers Compensation System (8:45)  
Islam SS, Nambiar AM, Doyle EJ, Velilla AM, Biswas RS, Ducatman AM
- H6.3: Incidence and Risk of Work-related Fracture Injuries: Experience of a State Managed Workers Compensation System (9:00)  
Islam SS, Biswas RS, Nambiar AM, Syamlal G, Velilla AM, Doyle EJ, Ducatman AM
- H6.4: Work-Related Traumatic Head and Brain Injuries in Washington State, 1990-1997 (9:15)  
Cohen MA, Kalat J, Silverstein B

10:00 - 10:30 a.m.

BREAK

10:30 a.m. - 12:00 p.m.

CLOSING PLENARY SESSION  
P & LE and B & O

**Occupational Injury Research in the New Millennium**

From Strategy to Reality: Twenty-five Years of  
National Planning in Occupational Injury Research

Dr. Nancy A. Stout  
Director  
NIOSH Division of Safety Research

Occupational Safety and Injury Prevention:  
Four Questions, Three Answers

Dr. Barry Pless  
Professor, Pediatrics, Epidemiology  
and Biostatistics  
McGill University













