Tuesday, October 28, 2003

7:30am - 8:30am  REGISTRATION  Grand Station Ballroom Foyer

8:30am - 10:00am  OPENING PLENARY SESSION  Grand Station Ballroom I and II

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

Dr. John Howard  
Director  
NIOSH

Mr. John Henshaw  
Assistant Secretary of Labor  
for Occupational Safety and Health Association  
OSHA

Professor Susan Baker  
Director of the Johns Hopkins  
Center for Injury Research and Policy  
Johns Hopkins University

10:00am - 10:30am  BREAK

10:30am - 12:00pm  CONCURRENT SESSION A

A1.0 (Special Session)  Lack of Progress on Construction  
Fatalities: What are the Obstacles to Prevention?  
Moderator: Matt Gillen

10:30am  Introduction and Overview of Session  Matt Gillen

10:40am  What do BLS Data Tell Us About Current Construction Fatality Trends?  Scott Richardson A1.1


11:00am  New Developments in OSHA Fatality Inspection Data: Enhancing Information Available for Surveillance  Richard Rinehart A1.3

11:10am  Moving Beyond Surveillance: Lessons Learned from NIOSH Construction Safety Projects  David Fosbroke A1.4


11:30am - 12:00pm  Questions and Discussion
Tuesday, October 28, 2003

10:30am - 12:00pm CONCURRENT SESSION A (cont’d)

A2.0 (Special Session) Cutting Edge Research: The NORA Intervention Evaluation Contest

Moderator: James Collins and Ted Scharf

10:30am Overview of the Contest and Challenges to Conducting Intervention Research

James Collins

10:45am Evaluation of the Effect of the Vertical Fall Arrest Standard in Washington State on Union Carpenters

Hester Lipscomp

11:05am A Randomized and Controlled Trial of Participative Ergonomics for Manual Tasks (PERforM)

Robin Burgess-Limerick

11:25am The Use of Supervisory Practices as Leverage to Improve Safety Behavior: A Cross-level Intervention Model

Dov Zohar

11:45am -12:00pm Questions and Discussion

A3.0 Economics Issues in Injury Research

Moderator: Timothy Struttmann

10:30am Relationships Between Work-related Injury Costs and Individual Risk Factors

Guang Chen

10:45am Measuring The Economic Burden of Fatal Occupational Injuries

Elyce Biddle

11:00am Economic Cost Model: Transferring Innovative Technology to the States

Daniel Hartley

11:15am How Large is the Government’s Underestimate of the Number of Non-Fatal Occupational Injuries?

Paul Leigh

11:30am - 12:00pm Questions and Discussion
#### Tuesday, October 28, 2003

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<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Room</th>
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<tbody>
<tr>
<td>10:30am</td>
<td>CONCURRENT SESSION A (cont’d)</td>
<td>Injury Surveillance: Monitoring Workplace Health and Safety</td>
<td>Woodlawn I</td>
<td></td>
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<tr>
<td>10:30am</td>
<td>A4.0</td>
<td>Fatal Occupational Injuries, 1980-1998: Two Decades of Surveillance</td>
<td>Suzanne Marsh</td>
<td>A4.1</td>
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<tr>
<td>10:45am</td>
<td>A4.1</td>
<td>A Descriptive Study of Logger Fatalities From 1992-2000</td>
<td>Douglas Scott</td>
<td>A4.2</td>
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<td>11:00am</td>
<td>A4.2</td>
<td>A Comparative Study of Occupational Fatal Injury Rates in South Korea and the United States</td>
<td>Yeon Soon Ahn</td>
<td>A4.3</td>
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<tr>
<td>11:15am</td>
<td>A4.3</td>
<td>Reported Workplace Fatalities: How Complete is the Picture?</td>
<td>Norma Alberg</td>
<td>A4.4</td>
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<td>11:45am</td>
<td>A4.5</td>
<td>Questions and Discussion</td>
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<tr>
<td>10:30am</td>
<td>Safety Programs I</td>
<td>Harmonising Corporate Safety Programs Across the Pacific - Doing The Right Things Right</td>
<td>Richard Coleman</td>
<td>A5.1</td>
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<td>10:45am</td>
<td>A5.1</td>
<td>Effectiveness and Benefit - Cost of Peer-Based Workplace Substance Abuse Prevention Coupled with Random Testing</td>
<td>Ted Miller</td>
<td>A5.2</td>
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<td>11:00am</td>
<td>A5.2</td>
<td>Assessing Safety Awareness and Knowledge Among West Virginia Loggers</td>
<td>James Helmkamp</td>
<td>A5.3</td>
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<tr>
<td>11:15am</td>
<td>A5.3</td>
<td>Modeling the Preventive Effectiveness of Pre-placement Screening for Carpal Tunnel Syndrome</td>
<td>Bradley Evanoff</td>
<td>A5.4</td>
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<tr>
<td>11:30am</td>
<td>A5.4</td>
<td>Occupational Electrical Hazard Characterization Using MSDS Format to Communicate Injury Parameters and Prevention</td>
<td>Mary Capelli-Schellpfeffer</td>
<td>A5.5</td>
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<tr>
<td>11:45am</td>
<td>A5.5</td>
<td>Questions and Discussion</td>
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</table>
Tuesday, October 28, 2003

12:00pm - 1:30pm  LUNCH (On Your Own)

1:30pm - 3:00pm  CONCURRENT SESSION B

B1.0 (Special Session)  Priorities for Construction Injury Research: Developing a Construction Safety Research Agenda  Grand Station III
Moderator: Michael McCann

1:30pm  Introduction and Overview of the Session  Michael McCann

1:35pm  A NIOSH Perspective on Construction Research Priorities  Matt Gillen  B1.1

1:50pm  An OSHA Perspective on Construction Research Priorities  Richard Rinehart  B1.2

2:05pm  Contractor Perspectives on Construction Research Priorities  Wayne Rice  B1.3

2:20pm  Extramural Research Perspectives on Construction Research Priorities  Michael McCann  B1.4

2:35pm - 3:00pm  Questions and Discussion

B2.0 (Special Session)  Quantifying Injury Exposure: A Tool for Evaluating Interventions on Road Construction Sites  Grand Station V
Moderator: Stephanie Pratt

1:30pm  Introduction and Overview  Stephanie Pratt

1:40pm  Defining Hazard Areas Around Construction Equipment  Mathew Hause  B2.1

2:00pm  Development of Internal Traffic Control Plans  Jerry Graham  B2.2

2:20pm  Measuring Worker Exposure to Work Zone Equipment  Robert Hammer  B2.3

2:40pm  Tracking Worker and Equipment Positions with GPS Receivers  Scott Hendricks  B2.4
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:30pm - 3:00pm</td>
<td><strong>CONCURRENT SESSION B (cont’d)</strong></td>
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<tr>
<td>B3.0</td>
<td><strong>Safety Programs II</strong></td>
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<tr>
<td>Moderator: Matt Bowyer</td>
<td>Brighton II</td>
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<tr>
<td>1:30pm</td>
<td><em>Process Model of Safety Training Programs</em></td>
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<td>Roger Jenson</td>
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<td>1:45pm</td>
<td><em>Assessing the Feasibility of Evaluating the Washington State Apprenticeship and Training Program</em></td>
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<td>Kristi Anderson</td>
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<td>2:00pm</td>
<td><em>Assessing OSHA's Projections About the Effects of Its New Safety Standards</em></td>
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<td>John Mendeloff</td>
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<td>2:15pm</td>
<td><em>Small Business Owners' Perceptions of Workplace Safety and Health Programs</em></td>
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<td>John Palassis</td>
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<td>2:30pm</td>
<td><em>An Intervention to Improve Construction Worker Safety and Health Through Design: Implementation and Outcomes</em></td>
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<td>Steven Hecker</td>
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<td>2:45pm - 3:00pm</td>
<td>Questions and Discussion</td>
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<td>2:45pm - 3:00pm</td>
<td>Questions and Discussion</td>
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<tr>
<td>1:30pm</td>
<td><strong>Safety Research Methods I</strong></td>
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<tr>
<td>Moderator: Robert Koedam</td>
<td>Grand Station IV</td>
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<tr>
<td>1:30pm</td>
<td><em>Methodologic Issues in the Use of Workers’ Compensation Databases for the Study of Work Injuries with Days Away from Work</em></td>
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<td>Arthur Oleinick</td>
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<td>1:45pm</td>
<td><em>Targeting Injury Prevention Using Relative Injury Severity Rate Ratios</em></td>
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<td>Peter Kines</td>
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<td>2:00pm</td>
<td><em>Cross-state Comparisons of Injury and Illness Incidence, Lost Work Days, and Specific Injuries</em></td>
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<td>Frank Neuhauser</td>
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<tr>
<td>2:15pm</td>
<td><em>Blurring the Distinctions Between Home and Work: Similarities and Differences in Causes</em></td>
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<td>Gordon Smith</td>
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<td>2:30pm</td>
<td><em>Computerized Coding of Injury Narrative Data from the National Health Interview Survey</em></td>
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<td>Helen Wellman</td>
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<tr>
<td>2:45pm - 3:00pm</td>
<td>Questions and Discussion</td>
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</tbody>
</table>
Tuesday, October 28, 2003

1:30pm - 3:00pm CONCURRENT SESSION B (cont’d)

B5.0 Agricultural Safety I
Moderator: James Harris

1:30pm Cost-Effectiveness of a Dealer’s ROPS Retrofit Education Campaign
Melvin Myers B5.1

1:45pm Evaluating Time-Dependent Errors in Daily Injury Self-reports from Youth in a Longitudinal Study of Agricultural Hazards
Jay Wilkins B5.2

2:00pm Using Composite Measurement Scales to Model Injury Risks Among Youth Exposed to Agricultural Hazards
Kathleen Koechlin B5.3

2:15pm Managing Human Risk in Livestock Handling
GT Lineberry B5.4

2:30pm Investigation of Vehicle Jarring/Jolting on Self-Propelled Farming Equipment
Alan Mayton B5.5

2:45pm - 3:00pm Questions and Discussion

3:00pm - 3:30pm BREAK

3:30pm - 5:00pm CONCURRENT SESSION C

C1.0 (Special Session) Childhood Agricultural Injury Prevention
Moderator: David Hard

3:30pm The NIOSH National Childhood Agricultural Injury Prevention Initiative
David Hard C1.1

3:50pm Surveillance of On-Farm Injuries to Youth in the United States
John Myers C1.2

4:10pm Hmong Children as Farm Workers in Minnesota: Hazards, Tasks, and Safe Work Practices
John Shutske C1.3

4:30pm Lessons Learned from the Process and Outcome of a Summit on Childhood Agricultural Injury Prevention
Barbara Lee C1.4

4:45pm Child Ag Injury Prevention Center Achievements
Barbara Lee C1.5
Tuesday, October 28, 2003

3:30pm - 5:00pm CONCURRENT SESSION C (cont’d)

C2.0 (Special Session) Fire Fighter Turnout Protective Clothing
Moderator: Timothy Merinar

3:30pm   Introduction and Overview
          Timothy Merinar

3:40pm   Overview of the NIST/USFA Fire Fighter
          Protective Clothing Research Program
          Daniel Madrzykowski

4:00pm   State-of-the-Art Research on Firefighter
          Protective Clothing: The Role of Instrumented
          Manikins
          Roger Barker

4:20pm   Overview of the NIOSH/NPPL CBRN
          Protective Clothing Research Program
          Jonathan Szalajda

4:40pm   NFPA - Codes and Standards for a Safer World
          Bruce Teele

C3.0 Fall Injuries in Construction I
Moderator: Jinhua Guan

3:30pm   Prevention of Construction Falls by
          Organizational Intervention
          Mark Fullen

3:45pm   Construction Related Non-Fatal Falls
          in California
          Florence Reinisch

4:00pm   Estimated Costs of Injuries Caused by
          Falling Through Roof Openings, Surfaces,
          and Skylights
          Thomas Bobick

4:15pm   Identifying and Controlling Fall Hazards in
          Routine and Non-Routine Tasks
          Peter Kines

4:30pm - 5:00pm Questions and Discussion
Tuesday, October 28, 2003

3:30pm - 5:00pm  CONCURRENT SESSION C (cont’d)

C4.0  Injury Surveillance: Mining  Brighton III
Moderator: Jeffrey Welsh

3:30pm  Reducing Injuries From the Fall of Rock in Underground Coal Mines  Gregory Molinda  C4.1

3:45pm  An Ergonomics Program Intervention to Prevent Musculoskeletal Injuries Caused by Manual Tasks in Coal Mining: Feasibility Study  Robin Burgess-Limerick  C4.2

4:00pm  An Analysis of Injuries and Fatalities Related to Tire Safety at U.S. Mining Operations  Thomas Camm  C4.3

4:15pm  A Systems Analysis of Mining Injury and Fatality  Thomas Camm  C4.4

4:30pm  Mine Accident Injury and Illness Exploration Tools  Nathan Lowe  C4.5

4:45pm - 5:00pm  Questions and Discussion

C5.0  Emergency/Disaster Response  Woodlawn I
Moderator: Herbert Linn

3:30pm  Public Safety vs. Personal Risk: Injury Compensation for Police Officers and Emergency Responders in the U.S.  Seth Seabury  C5.1

3:45pm  Protecting Emergency Workers During Major Disaster Response  Brian Jackson  C5.2

4:00pm  The Potential for Use of Biological Safety Personnel in a Bioterrorism Response Surge Capacity System  Stephen Morse  C5.3

4:15pm  Ability and Willingness of Healthcare Personnel to Report to Duty During Severe Disaster Response  Kristine Qureshi  C5.4

4:30pm  Work Related Injuries and Psychosomatic Problems Amongst Police Officers  Elizabeth Smailes  C5.5

4:45pm - 5:00pm  Questions and Discussion

6:30pm - 8:30pm  ICE BREAKER SOCIAL
Sponsored by: National Safety Council
Sheraton Station Square Hotel
Reflections Room
### Wednesday, October 29, 2003

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<td>7:30am - 8:30am</td>
<td><strong>REGISTRATION</strong></td>
<td>Grand Station Ballroom Foyer</td>
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<tr>
<td>8:30am - 10:00am</td>
<td><strong>CONCURRENT SESSION D</strong></td>
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<tr>
<td><strong>D1.0 (Special Session)</strong></td>
<td>The Psycho-social Aspect of Worker Response in Hazardous Workplaces: From Mining, Construction and Agriculture to Terrorism and War (Part I)</td>
<td>Grand Station III</td>
</tr>
<tr>
<td>8:30am</td>
<td><strong>Introduction: Hypothesis and Overview</strong></td>
<td>Kathleen Kowalski-Trakofler</td>
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<tr>
<td>8:40am</td>
<td><strong>The Need for Situational Awareness</strong></td>
<td>Edward Hitchcock</td>
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<tr>
<td>8:40am</td>
<td><strong>Assessment in Hazardous Work Environments</strong></td>
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<tr>
<td>9:00am</td>
<td><strong>Information Exchange and Organizational Survival in Dynamic Settings</strong></td>
<td>Charles Vaught</td>
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<tr>
<td>9:40am</td>
<td><strong>Prevention and Mitigation of Traumatic Incident Stress After Exposure to Hazardous Conditions</strong></td>
<td>Ross Pastel</td>
</tr>
<tr>
<td><strong>D2.0 (Special Session)</strong></td>
<td>Preventing Occupational Injuries in Alaska through Surveillance and Collaboration</td>
<td>Brighton II</td>
</tr>
<tr>
<td>8:30am</td>
<td><strong>Introduction and Overview</strong></td>
<td>George Conway</td>
</tr>
<tr>
<td>8:40am</td>
<td><strong>“Human Error” as a Leading Cause of Occupant Mortality in Air Taxi and Commuter Crashes in Alaska 1990-1999</strong></td>
<td>Katherine Moran</td>
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<tr>
<td>8:55am</td>
<td><strong>Progress in Partnerships for Surveillance and Prevention of Occupational Aircraft Crashes in Alaska</strong></td>
<td>Jan Manwaring</td>
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<tr>
<td>9:10am</td>
<td><strong>Making Alaska’s Fishing Industry Safer: Applied Epidemiology and Engineering</strong></td>
<td>Bradley Husberg</td>
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<tr>
<td>9:25am</td>
<td><strong>Fatality Assessment and Control Evaluation in Alaska</strong></td>
<td>Deborah Hull-Jilly</td>
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<tr>
<td>9:40am</td>
<td><strong>Surveys of Alaska’s Aviation Industry</strong></td>
<td>George Conway</td>
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### Wednesday, October 29, 2003

**8:30am - 10:00am**  
**CONCURRENT SESSION D (cont’d)**

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<th>Location</th>
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<tr>
<td>8:30am</td>
<td><strong>Motor Vehicle Safety</strong></td>
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<td>Grand Station V</td>
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<tr>
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<td><strong>8:30am Workplace Injuries in Unionized Trucking Companies</strong></td>
<td>William Rogers</td>
<td>D3.1</td>
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<tr>
<td>8:45am</td>
<td><strong>The Cost to Society of Fatal Occupational Injury to Truck Drivers</strong></td>
<td>Edward Husting</td>
<td>D3.2</td>
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<tr>
<td>9:00am</td>
<td><strong>Use of Aggregate Data in Modeling Factors Associated with Truck Driver Injury and Illness and Linkage of Truck and Claims Data</strong></td>
<td>Daniel Blower</td>
<td>D3.3</td>
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<tr>
<td>9:15am</td>
<td><strong>Truck Crash Experiences of For-Hire Motor Carriers in the United States: 2000-2001</strong></td>
<td>Guang Chen</td>
<td>D3.4</td>
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<tr>
<td>9:30am</td>
<td><strong>Driver Distraction/Inattention and Driver Fatigue As Risk Factors for a Fatal Commercial Vehicle Collision in Kentucky</strong></td>
<td>Terry Bunn</td>
<td>D3.5</td>
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#### 9:45am - 10:00am  
Questions and Discussion

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<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>8:30am</td>
<td><strong>Workplace Violence I</strong></td>
<td></td>
<td>Grand Station IV</td>
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<td><strong>Occupational Violence: Environmental Risk Factors</strong></td>
<td>Susan Gerberich</td>
<td>D4.1</td>
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<tr>
<td>8:45am</td>
<td><strong>The NIOSH Workplace Violence Research and Prevention Initiative</strong></td>
<td>Eleanor Jenkins</td>
<td>D4.2</td>
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<tr>
<td>9:00am</td>
<td><strong>The Evaluation of State-Based Approaches to Workplace Violence Prevention</strong></td>
<td>Matt Bowyer</td>
<td>D4.3</td>
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<td>9:15am</td>
<td><strong>Workplace Violence Prevention in the Mental Health Setting</strong></td>
<td>Jane Lipscomb</td>
<td>D4.4</td>
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#### 9:30am - 10:00am  
Questions and Discussion
### Wednesday, October 29, 2003

**8:30am - 10:00am**  
**CONCURRENT SESSION D (cont’d)**

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<tbody>
<tr>
<td>8:30am</td>
<td>Preventing Youth Worker Fatalities</td>
<td>Meredith Washburn</td>
<td>D5.1</td>
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<tr>
<td>8:45am</td>
<td>Anthropometric Differences Among Hispanic Occupational Groups</td>
<td>James Spahr</td>
<td>D5.2</td>
</tr>
<tr>
<td>9:00am</td>
<td>Fatal Occupational Injuries Among Hispanic Construction Workers of Texas, 1997 to 1999</td>
<td>Victor Fabrega</td>
<td>D5.3</td>
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<tr>
<td>9:15am</td>
<td>Farm Youth Can Be Reliable Reporters of Their Daily Injury Experiences</td>
<td>Jay Wilkins</td>
<td>D5.4</td>
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<tr>
<td>9:30am</td>
<td>Teenage Construction Workers: Hazards, Experiences, and Work Organization</td>
<td>Michael Schulman</td>
<td>D5.5</td>
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**9:45am - 10:00am**  
Questions and Discussion

**10:00am - 10:30am**  
**BREAK**

**10:30am - 12:00pm**  
**CONCURRENT SESSION E**

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<tbody>
<tr>
<td>10:30am</td>
<td>Recap of Hypothesis and Session A</td>
<td>Charles Vaught</td>
<td></td>
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<tr>
<td>10:40am</td>
<td>Psychosocial Aspects of Employee Evacuation from High Rise Buildings Under Extreme Conditions</td>
<td>Robyn Gershon</td>
<td>E1.1</td>
</tr>
<tr>
<td>11:00am</td>
<td>Work in Dynamic and Hazardous Environments: Where does the Potential for Intelligent Performance Reside and How is it Acquired?</td>
<td>Henry Cole</td>
<td>E1.2</td>
</tr>
<tr>
<td>11:40am</td>
<td>Lessons Learned from WTC, Pentagon and Anthrax Incidents: Training for Disasters, Managing Critical Incident, and Pre-Incident Stress</td>
<td>Bruce Lippy</td>
<td>E1.4</td>
</tr>
</tbody>
</table>
### National Occupational Injury Research Symposium 2003

#### Wednesday, October 29, 2003

**10:30am - 12:00pm**  CONCURRENT SESSION E (cont’d)

**E2.0**  Construction Injuries I  Woodlawn I

- **10:30am**  Injuries and Illnesses from Wood Framing in Residential Construction, Washington State, 1993-1999  
  Syed Shah  

- **10:45am**  Characteristics of Work Scheduling and Work-Related Injuries in Construction  
  Sue Dong  

- **11:00am**  Ontario Construction Industry Fatalities - 1992 to 2002  
  Jim Zaichkowski  

- **11:15am**  Injury and Payment Rates for Different Injury Mechanisms Among Types of Construction Work  
  Judith Glazner  

**11:30am - 12:00pm**  Questions and Discussion

**E3.0**  Transportation Injuries  Grand Station V

- **10:30am**  Nonfatal Injuries Resulting from Transportation Incidents  
  Janice Windau  

- **10:45am**  Pedestrian Injuries Caused by Powered Material Handling Vehicles at a U.S. Heavy Manufacturing Company from 1998 to 2002  
  Allen Stout  

- **11:00am**  Ambulance Crash-Related Injuries Among EMS Workers  
  Thomas Bobick  

- **11:15am**  Road Compactor Overturn Injury Risk Factors  
  Melvin Myers  

- **11:30am**  The Work Zone Analysis System: A Tool to Evaluate Worker Exposure Around Hazardous Equipment  
  William Schiffbauer  

**11:45am - 12:00pm**  Questions and Discussion
### Wednesday, October 29, 2003

#### 10:30am - 12:00pm CONCURRENT SESSION E (cont’d)

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<tbody>
<tr>
<td>10:30am</td>
<td>Cost-Effectiveness of Safer Sharp Medical Devices for Prevention of HIV and Hepatitis C Infection in Healthcare Workers</td>
<td>David Fisman</td>
<td>Brighton I</td>
</tr>
<tr>
<td>10:45am</td>
<td>Effectiveness of the Bloodborne Pathogens Standard in Reducing the Rate of Sharps Injuries in California Hospitals</td>
<td>Marion Gillen</td>
<td>Brighton I</td>
</tr>
<tr>
<td>11:00am</td>
<td>Risk Factors for Occupational Blood Exposure: Estimates from the National Study to Prevent Blood Exposure in Paramedics</td>
<td>Jack Leiss</td>
<td>Brighton I</td>
</tr>
<tr>
<td>11:15am - 12:00pm</td>
<td>Questions and Discussion</td>
<td></td>
<td>Brighton I</td>
</tr>
</tbody>
</table>

#### E5.0 Safety Research Methods II

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30am</td>
<td>Comparison of Fatality Rate Denominator Choices: Population Based Methods</td>
<td>James Bena</td>
<td>Brighton III</td>
</tr>
<tr>
<td>10:45am</td>
<td>Using Injury Classification Systems with Safety Report Narratives to Inform Occupational Injury Interventions</td>
<td>Andrew Lincoln</td>
<td>Brighton III</td>
</tr>
<tr>
<td>11:00am</td>
<td>Grouping ICD9-CM Diagnoses in Workers’ Compensation Administrative Databases to Create Design Variables in Generalized Linear Models for Incidence and Outcome</td>
<td>Arthur Oleinick</td>
<td>Brighton III</td>
</tr>
<tr>
<td>11:15am</td>
<td>The Effectiveness of OSHA Inspections in Manufacturing in Preventing Lost Workday Injuries: How it Varies with Characteristics of the Workplaces and the Inspections</td>
<td>John Mendeloff</td>
<td>Brighton III</td>
</tr>
<tr>
<td>11:30am</td>
<td>How Low Can They Go? Potential for Reduction in Injury Rates</td>
<td>Harry Shannon</td>
<td>Brighton III</td>
</tr>
</tbody>
</table>

11:45am - 12:00pm Questions and Discussion

12:00pm - 1:30pm LUNCH (On Your Own)
Wednesday, October 29, 2003

1:30pm - 3:00pm  CONCURRENT SESSION F

F1.0 (Special Session)  Job Safety and Health Intervention Effectiveness: Doing the Right Things
Moderator: Pat Coleman  Grand Station III

1:30pm  Intervention Effectiveness: Evaluation of Six Workplace Safety Programs to Determine their Contribution Injury Reduction  Alison Vredenburgh  F1.1

1:50pm  Evaluation of a Best Practices Back Injury Prevention Program in Nursing Homes  James Collins  F1.2

2:10pm  Evaluating the Effectiveness of a Logger Safety Training Program in Reducing Injuries to Loggers  Jennifer Bell  F1.3

2:30pm  Effectiveness of Narrative Approaches to Occupational Injury Prevention Interventions  Henry Cole  F1.4

2:50pm - 3:00pm  Questions and Discussion

F2.0  Construction Injuries II  Woodlawn I
Moderator: David Fosbroke

1:30pm  Construction Injury: Patterns of Factors Contributing to Different Types of Injury Events  Judith Glazner  F2.1

1:45pm  Training Effects on Work-Related Injuries Among Construction Laborers  Sue Dong  F2.2

2:00pm  Disabling Traumatic Injuries in Construction: Fractures and Their Antecedents  Theodore Courtney  F2.3

2:15pm  Reducing Risk of Musculoskeletal Disorders Through The Use of Rebar Tying Machines  Peter Vi  F2.4

2:30pm  Using Narrative Reports to Identify Factors Contributing to Construction Injury  Jessica Bondy  F2.5

2:45pm - 3:00pm  Questions and Discussion
## Wednesday, October 29, 2003

### 1:30pm - 3:00pm

**CONCURRENT SESSION F (cont’d)**

- **F3.0 Fire Fighters**
  - **Moderator:** Linda Frederick
  - **Grand Station V**
  - **1:30pm** *A Profile of Thermal Imaging Camera Ownership in the United States Fire Service*
    - **1:30pm**
    - **Speaker:** Steven Proudfoot
    - **F3.1**
  - **1:45pm** *U.S. Firefighter Fatalities at Structure Fires*
    - **1:45pm**
    - **Speaker:** Rita Fahy
    - **F3.2**
  - **2:00pm** *Firefighter Fatalities 1998-2001: Overview with an Emphasis on Structure-Related Traumatic Fatalities*
    - **2:00pm**
    - **Speaker:** Timothy Pizatella
    - **F3.3**
  - **2:15pm** *Analysis of Mine Fires and Fire Injuries at U.S. Underground and Surface Mines: 1999-2001*
    - **2:15pm**
    - **Speaker:** Maria DeRosa
    - **F3.4**

- **2:30pm - 3:00pm** Questions and Discussion

### 2:30pm - 3:00pm

**F4.0 Occupational Injuries: Social and Economic Issues**

- **Moderator:** Laura Blanciforti
  - **Grand Station IV**
  - **1:30pm** *Comparing Costs of Fatalities From Two Fatal Occupational Injury Surveillance Systems in the United States*
    - **1:30pm**
    - **Speaker:** Elyce Biddle
    - **F4.1**
  - **1:45pm** *Challenges for Workplace Injury Prevention in a Changing Canadian Health Care Sector*
    - **1:45pm**
    - **Speaker:** Norma Alberg
    - **F4.2**
  - **2:00pm** *New Perspectives in Construction Health and Safety Research: Investigation of the Complex Relationships Between the Worker, the Work Environment, and the Socioeconomic Context*
    - **2:00pm**
    - **Speaker:** Maria Brunette
    - **F4.3**
  - **2:15pm** *What Kinds of Injuries Do OSHA Inspections Prevent?*
    - **2:15pm**
    - **Speaker:** John Mendeloff
    - **F4.4**
  - **2:30pm** *Depression, Women, and Occupational Injuries*
    - **2:30pm**
    - **Speaker:** Pamela Peele
    - **F4.5**

- **2:45pm - 3:00pm** Questions and Discussion

### 3:00pm - 3:30pm

**BREAK**
## Wednesday, October 29, 2003

### 3:30pm - 5:00pm

**CONCURRENT SESSION G**

**G1.0 (Special Session) Innovations for Improving Fire Fighter Safety in Structure Fires**

**Moderator:** Steven Proudfoot

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>3:30pm</td>
<td><em>Review of NIOSH Fire Fighter Structure Fire Fatality Investigations</em></td>
<td>Jay Tarley</td>
<td>Grand Station III</td>
</tr>
<tr>
<td>3:50pm</td>
<td><em>Firefighter Visibility: Which Way is Out?</em></td>
<td>John Powers</td>
<td></td>
</tr>
</tbody>
</table>

### 4:10pm - 5:00pm

Round Table Discussion on Improving Fire Fighter Safety in Structural Fires with Participation of National Fire Service Organizations

**G2.0 Workplace Violence II**

**Moderator:** Lynn Jenkins

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30pm</td>
<td><em>Minnesota Nurses’ Study: Impact of Violence Prevention Policies</em></td>
<td>Nancy Nachreiner</td>
<td>Brighton I</td>
</tr>
<tr>
<td>3:45pm</td>
<td><em>Workplace Homicide During Robbery: A Case-Control Study</em></td>
<td>Stephen Marshall</td>
<td></td>
</tr>
<tr>
<td>4:00pm</td>
<td><em>Implementation of a Workplace Robbery and Violence Prevention Program</em></td>
<td>Corinne Peek-Asa</td>
<td></td>
</tr>
<tr>
<td>4:15pm</td>
<td><em>The Impact of a Comprehensive Violence Prevention Intervention on Training Parameters</em></td>
<td>Kathleen McPhaul</td>
<td></td>
</tr>
</tbody>
</table>

### 4:30pm - 5:00pm

Questions and Discussion
### Wednesday, October 29, 2003

#### 3:30pm - 5:00pm

**CONCURRENT SESSION G (cont’d)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30pm</td>
<td><em>An Acute Fatality While Applying a Spray-On Truck Bed Liner</em></td>
<td>Debra Chester</td>
<td>G3.1</td>
</tr>
<tr>
<td>3:45pm</td>
<td><em>Safety Hazards to Workers in Modular Home Installation</em></td>
<td>Brandon Takacs</td>
<td>G3.2</td>
</tr>
<tr>
<td>4:00pm</td>
<td><em>Occupational Injury Events Leading to Hospitalization</em></td>
<td>Keisha Tyler</td>
<td>G3.3</td>
</tr>
<tr>
<td>4:15pm</td>
<td><em>Development of a New Electrical Injury Protection System-Selection of RF Transmitter Mounting Location on the Human Body</em></td>
<td>Shengke Zeng</td>
<td>G3.4</td>
</tr>
<tr>
<td>4:30pm</td>
<td><em>Welding-related Ocular Injuries</em></td>
<td>David Lombardi</td>
<td>G3.5</td>
</tr>
</tbody>
</table>

**G4.0 Agriculture Safety II**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30pm</td>
<td><em>Magnitude and Etiology of Agricultural Injuries Among Households With Children: Regional Rural Injury Study-II</em></td>
<td>Susan Gerberich</td>
<td>G4.1</td>
</tr>
<tr>
<td>3:45pm</td>
<td><em>Task-Specific Injury Rates for Youth Exposed to Agricultural Hazards</em></td>
<td>Kathleen Koechlin</td>
<td>G4.2</td>
</tr>
<tr>
<td>4:00pm</td>
<td><em>A Case-Control Study of Injuries Among Central Ohio Farm Youth</em></td>
<td>John Crawford</td>
<td>G4.3</td>
</tr>
<tr>
<td>4:15pm</td>
<td><em>Summer Work and Injury Among Youth on Family Farms</em></td>
<td>Kristina Zierold</td>
<td>G4.4</td>
</tr>
<tr>
<td>4:30pm</td>
<td><em>Risk Factors for Farm Work-Related Injuries: A Nested Case Control Study in the Agricultural Health Study Cohort</em></td>
<td>Nancy Sprince</td>
<td>G4.5</td>
</tr>
<tr>
<td>4:45pm - 5:00pm</td>
<td>Questions and Discussion</td>
<td></td>
<td></td>
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</table>
Wednesday, October 29, 2003

5:30pm - 7:30pm  POSTER SOCIAL
Sponsored by: American Society of Safety Engineers
Sheraton Station Square Hotel
Admiral Room

LIST OF FEATURED POSTERS

Douglas McVittie

Lorann Stallones and Cheryl Beseler

P03  Effects of Company Size on Non-Fatal Injury Rates in Construction
Douglas McVittie

Laura Styles

P05  Haulage Truck Safety at Surface Mine Dump Sites
Alan Mayton

P06  Worker Age and Type of Injury in Ontario Construction
Peter Vi

P07  An Evaluation of Scaffold Safety at Construction Sites
Michael McCann

P08  Animals Involved In 20 Agricultural Fatalities
William Hetzler

P09  Roadway Work Zone Traffic Speed Control Study
Jim Zaichkowski

P10  Back Injuries among Nurses: Change the Nurse or Change the Task?
Hope Tiesman

P11  Iowa FACE Program Agricultural Injury Fatalities
Rebecca Heick

P12  Communicating Severity of Hazard with the Signal Word on a Safety Sign
Roger Jensen

P13  Costs and Morbidity in Work-Related Motor Vehicle Crashes
Pamela Peele
LIST OF FEATURED POSTERS (cont’d)

P14  Web-Based Safety Toolbox Database
     Sangyoub Lee

P15  Agricultural Injury among Rural California High-School Students
     Stephen McCurdy

P16  Work-Related Time-Activity Patterns among Youth Exposed to Agricultural Hazards
     Jay Wilkins

P17  A Case-Crossover Pilot Study of Slips, Trips and Falls in Health Care Workers
     Gary Sorock

P18  Ergonomic Walkthrough Evaluations of a Pre-Manufactured Home-Fabrication Plant
     Joyce Zwiener

P19  Heat-Related Fatalities in North Carolina
     Maria Mirabelli

P20  A Communication Intervention for Technology Transfer of NIOSH Field Portable Analytical Methods
     Sybil Ott and Tara Williams

P21  Research Program to Develop Optimal NIOSH Alerts for Farmers
     Tara Williams

P22  Hazards Associated with Military Service: Fatal Motor Vehicle Crashes among Veterans of the Gulf War Era
     Andrew Lincoln

P23  Extended Work Schedule and Risk of Occupational Injury
     Paul MacLennan

P24  Work-RISQS — A Web-Based Injury Research Tool
     Larry Jackson

P25  The Use of BLS Annual Survey Data for Hypothesis-Generating Studies and the Issue of Datasets for Modeling
     Arthur Oleinick
Thursday, October 30, 2003

7:30am - 8:30am  CONTINENTAL BREAKFAST
Sponsored by: Liberty Mutual Research Center for Safety and Health
Sheraton Station Square Hotel
Lobby Bar Area

8:30am - 10:00am  CONCURRENT SESSION H

H1.0 (Special Session)  Investigating the Non-Reporting of Occupational Injuries
Moderator: Maria Brunette

8:30am  Determinants of Claim Filing Among Young Injured Workers  Darius Lakdawalla

8:50am  Injury Reporting in the Railroad Industry: Cause for Suspicion  Beth Rosenburg

9:10am  Distributional Effects of Filing a Workers’ Compensation Claim  Karen Roberts

9:30am - 10:00am  Questions and Discussion

H2.0  Injury Hazards II
Moderator: Elyce Biddle

8:30am  Incidence, Risk Factors and Costs of Carbon Monoxide Poisoning in West Virginia Workers  Syed Islam

8:45am  Traumatic Injuries Among Embalmers  Robyn Gershon

9:00am  Traumatic Injuries In a Cohort of North Carolina Commercial Fishermen  Kristen Kucera

9:15am  Hazards and Suggested Control Methods for the Wood Pallet Manufacturing Industry  Robert Malkin

9:30am  Evaluation of a Training Exercise for Teaching Drillers About Noise and Hearing Protection  Edward Barrett

9:45am  Disabling Occupational Injuries in U.S. Restaurants  Theodore Courtney
Thursday, October 30, 2003

8:30am - 10:00am  CONCURRENT SESSION H (cont’d)

H3.0  Machinery and Coal Mining Injuries  Grand Station V
Moderator: James Harris

8:30am  Determination of Safe Roof-Bolter Speeds  John Bartels  H3.1
Through Computer Simulation

8:45am  Developing an Innovative  Kathleen Kowalski-Trakofler  H3.2
Multi-disciplinary Approach: Electric Arc-induced Injuries in the Mining Industry

9:00am  Caught-In Injury Protection System for  Doug Ammons  H3.3
Wood Chippers

9:15am  Amputations at a U.S. Heavy Manufacturing  Gordon Reeve  H3.4
Company From 1998-2002

9:30am  Development of a Safety Intervention  David Parker  H3.5
In Small Metal Working Shops

9:45am - 10:00am  Questions and Discussion

H4.0  Fall Injuries in Construction II  Brighton III
Moderator: Guang Chen

8:30am  Load Testing of Job-Built Guardrail Systems  Daniel Fiorini  H4.1

8:45am  Use of Text Data From Injury Reports/Investigations To Understand Construction Falls  Hester Lipscomb  H4.2

9:00am  Postural Adaptation at Elevated and Sloped Surfaces  Peter Simeonov  H4.3

9:15am  Fall Prevention vs. Fall Arrest in Ontario Construction  Enzo Garritano  H4.4

9:30am - 10:00am  Questions and Discussions
Thursday, October 30, 2003

8:30am - 10:00am CONCURRENT SESSION H (cont’d)

H5.0 Back Injury Prevention
Moderator: Alfred Amendola

8:30am Use of Mechanical Lifts Reduced Injury Rates among Nursing Personnel
Bradley Evanoff H5.1

8:45am The Use of Workers’ Compensation and Medical Claims Data for Surveillance of Acute Back Injuries among Health Care Workers
Lisa Pompeii H5.2

9:00am VISN-Wide Deployment of a Back Injury Prevention Program for Nurses: Safe Patient Handling & Movement
Mary Matz H5.3

9:15am Musculoskeletal Disorders among Dental Students
Linda Thornton H5.4

9:30am - 10:00am Questions and Discussion

10:00am - 10:30am BREAK

10:30am - 12:00pm CLOSING PLENARY SESSION

Grand Station Ballroom I and II

Lisa Cullen
Industrial Hygienist
“Reality Versus the Public Perception of Occupational Injury”

David Parker
Physician in Occupational Health
“Picturing Work: The Industrial Landscape and Occupational Health”

Closing: Dr. Nancy A. Stout, Director, Division of Safety Research, NIOSH