

Examining the impact of narrative case studies in toolbox talks for building construction

Author: Terri Heidotting, Ed.D.

Toolbox training, a common form of safety training used across a wide range of industries, consists of brief (10- to 20-) minute discussions attended by small groups of employees at the worksite. However, despite its widespread use, little research has investigated the impact that toolbox training may have on enhancing workplace safety. This presentation will describe findings from a pilot study that guided the development of toolbox safety talks for construction. In addition, this presentation will describe progress on a study comparing toolbox training that incorporates narratives derived from work fatality investigation reports (case-based) to conventional (fact-based) instructional materials. Variables examined in this study include worker knowledge gains, changes in safety attitudes, and workplace safety practices. Potential benefits of enhanced toolbox-training approaches and future plans for the development of systematically evaluated, public domain toolbox safety training materials for construction and mining will also be discussed.

- Integrating Farm Safety Information into Social Studies Classrooms in Rural Public Schools: A Report from the Field. *Joan M. Mazur, PhD, USA*. Coauthor: *Henry P. Cole, EdD*
- Evaluation of Pedagogical Tools Used Within the Inter University Diploma Course (DIUST) in France: How to Acquire Knowledge but also and Especially Know Competencies. *Maria Gonzalez, MD, France*. Coauthors: *Janine Bigaignon-Cantineau; Alain Cantineau, MD, PhD*
- The Relationship of Training to Patient Assaults Against Mental Health Staff. *Kathleen McPhaul; RN, MPH, USA*. Coauthors: *Jane Lipscomb, RN, PhD, FAAN; Karen Soeken, PhD*

12 noon **Lunch – Provided**
Liberty Ballroom
Lobby Level

1:30-3 pm **Concurrent Scientific Sessions**

Reducing Ergonomic-Related Risk Through Education and Training

Lincoln Room

Cabana Level, North

Moderator: *Judith Ostendorf, RN, MPH, COHN-S, USA*

- Experience of New Teaching Strategies of Occupational Health and Ergonomics at Tallinn Technical University. *Virve Siirak, MD, Estonia*
- Utilizing a Multidisciplinary Ergonomic Educational Program: The New York Harbor Healthcare System Experience. *Margaret L. Eichler, MSN, FNP, COHN-S, USA*
- Highly Effective Training Results in Reduced Ergonomic Risk. *Shonna Cole, CEA, COHC, USA*. Coauthor: *Mark Klemmer, LLC*
- Implementing Mechanical Lifts and Training Programs in Acute Care Hospitals and Nursing Homes. *Laurie Wolf, MS, CPE, USA*. Coauthors: *Liz Aton; Jason Canos; Jim Collins; Bradley Evanoff, MD, MPH*

Intervention Effectiveness Strategies in Education and Training

Pratt 'A' Room

Lower Lobby Level

Moderator: *Roberto Lucchini, MD, Italy*

- Improving Farmer's Self-Protective Behavior with a Narrative-Based Tractor Safety Community Education Program. *Henry P. Cole, EdD, USA*. Coauthors: *Larry Piercy; Tim Struttmann; Susan Westneat*

- Effectiveness of Educational Intervention on Lead Workers at Different Times After the Program. *Roberto Lucchini, MD, Italy*. Coauthors: *Paola Materzanini, MD ; Marco Gelmi; Federick Zannol; Lorenzo Alessio, MD*
- Computer-based Hearing Screening Tests and Personalized Feedback. *Oi Saeng Hong, PhD, RN, USA*. Coauthors: *Delbert M. Raymond, MS, RN; Jamie Decker, BSN, RN; Julie Wilner*
- Examining the Impact of Narrative Case Studies in Toolbox Talks for Building Construction. *Terri Heidotting, EdD, USA*. Coauthors: *Carol Stephenson, PhD; Herb Linn; Paul Keane*

Risk Communication Strategies

Calhoun Room

Cabana Level, South

Moderator: *André Weel, MD, MOccH, PhD, Netherlands*

- Deriving Human Risks and Its Significance for Risk Managers and Regulatory Toxicologists. *Henryka U. Nagy, PhD, USA*
- A Study of the Risk Communication Needs of War Veterans. *Aaron Schneiderman, PhD, RN, USA*. Coauthors: *Barbara C. Curbow, PhD; Han K. Kang, DrPH*
- Health-e Voice: A Randomized Controlled Trial of Web-based Training to Improve Risk Communication Between Health Care Providers and Patients with Military-related Health Concerns. *Charles C. Engel, Jr., MD, MPH, USA*. Coauthors: *Terry J.W. Sjoberg, BSc; Ambereen Jaffer, MPH; Joyce Adkins, PhD; Tim Tinker, DrPH, MPH; Samar DeBakey, MD, MPH; David N. Cowan, PhD, MPH*
- VA Communication Program on Environmental Hazard Exposure in Military Service. *Donald J. Rosenblum, BS, USA*

Risk, Risk Perception, and Psychosocial Issues

Hopkins Room

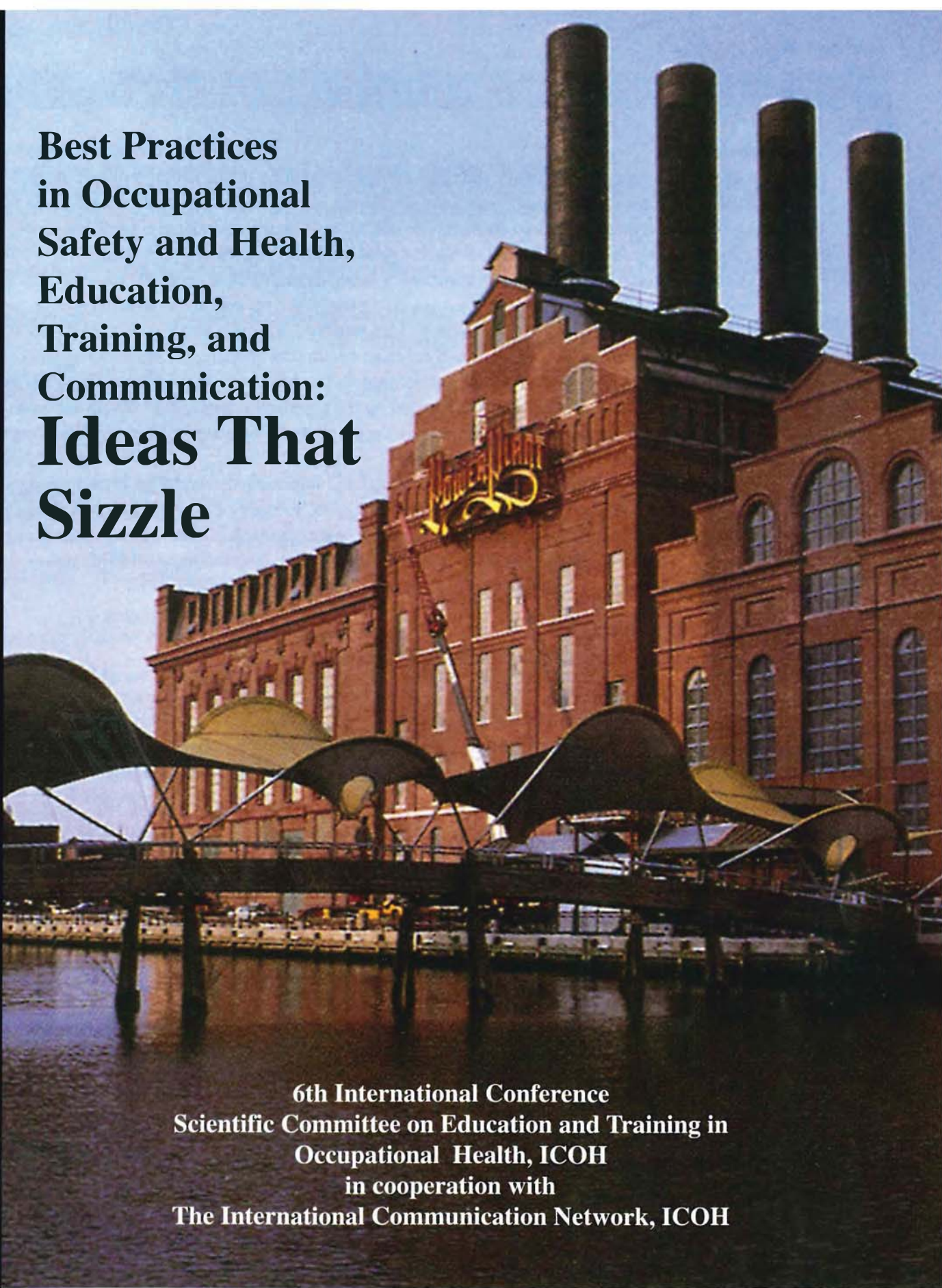
Lower Lobby Level

Moderator: *Julie Hayes Seibert, MA, MPH, USA*

- Risk Perception- Psycho-Social Determinants-Inclusion in OSH Education. *Richard A. Lippin, MD, FACOEM, USA*
- Occupational Mental Health Issues in Light of September 11, 2001: Implications for Policy and Research. *Julie Hayes Seibert, MA, MPH, USA*. Coauthor: *Thomas R. Konrad, PhD*
- Homicide on the Job. *Charles Morgan, JD, CSP, USA*
- Violence at Work: Occupational Injuries and Fatalities in Mexico. *Jose Miguel Ramos, MD, Mexico*

October 28-30, 2002 • Baltimore, Maryland, USA

**Best Practices
in Occupational
Safety and Health,
Education,
Training, and
Communication:
Ideas That
Sizzle**



**6th International Conference
Scientific Committee on Education and Training in
Occupational Health, ICOH
in cooperation with
The International Communication Network, ICOH**



NIOSH