

## Toolbox training for sand and gravel miners

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In general, thousands of small companies do not have the number of employees nor resources to warrant an on-site safety professional to identify and apply risk and prevention information relevant to their operations. In particular, these small companies seldom possess the facilities or resources to provide their workers on-going training programs to address workplace safety and health. Sand and gravel mines fit into this small company profile. Sand and gravel mines average less than six employees per mine site with locations scattered over large distances. In addition, sand and gravel mining has suffered 37% of the U.S. mining fatalities over the last five years. Tailgate training is one approach being investigated to improve safety and health of workers in small work groups.

Tailgate training, short (usually 10- to 15-minute), weekly sessions conducted on-site prior to work shifts and involving work crews, is a popular mode of worker occupational safety and health training employed by many field-based companies. A National Institute for Occupational Safety and Health (NIOSH) research project prepared a series of tailgate talks for sand and gravel miners using expert input to develop a format for the training material. The input came from focus groups representing safety trainers and managers, state and federal mine inspectors, and sand and gravel miners.

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After a format was developed, eight tailgate topics were pilot tested at an operating sand and gravel mine to determine the use and practicality of the training format. Minor modifications were made after the pilot test. This presentation summarizes what was learned from the expert focus groups and pilot test.

- Health and Safety - The Hidden Aspects of Call Centers. *Sunita Kaistha, MPhil, PhD, India*
- Post Traumatic Stress and the Work Place: Experiences of the 2001 Foot and Mouth Disease Epidemic. *Ian Convery, RN, BSc (Hons), MSc, United Kingdom.* Coauthors: *Maggie Mort, PhD; Josephine Baxter, Cathy Bailey, PhD*
- A Risk-Communication Revolution: Process Versus Event. *Marilyn Null, BA, USA*
- Variations in Industry Compliance with the OSHA Bloodborne Pathogens (BBPs) Standard in the US. *Guang Xiang Chen, MD, MS, USA.* Coauthor: *E. Lynn Jenkins, MA*

### **Training Issues in the Mining Industry**

#### ***Pratt 'B' Room***

#### ***Lower Lobby Level***

Moderator: *Gabriela Moreno, MD, Chile*

- Learning from the Master: Effective Training for Miners. *Elaine Cullen, BA, MBA, CMSP, USA*
- Biologically Effective UV B Doses in Miners at High Altitude in Northern Chile, SA. *Gabriela Moreno, MD, Chile.* Coauthor: *Sergio Cabrera, PhD*
- Toolbox Training for Sand and Gravel Miners. *Lani Boldt, MS, CMSP, USA.* Coauthor: *Floyd Varley*
- Evaluating the Role of Positive and Negative Emotion in Promoting Hearing Conservation Behaviors Among Coal Miners. *M. Stephenson, PhD; USA.* Coauthors: *Charles Vaught, PhD, CMSP; K. Witte, PhD,*
- A Training Strategy that Involves All Employees in Workplace Communication/Risk Management. *Launa Mallett, PhD, USA.* Coauthors: *Michael J. Brnich, Jr., CMSP; Charles Vaught, PhD, CMSP*

### **Curriculum Development in Occupational Health and Information Effect**

#### ***Calhoun Room***

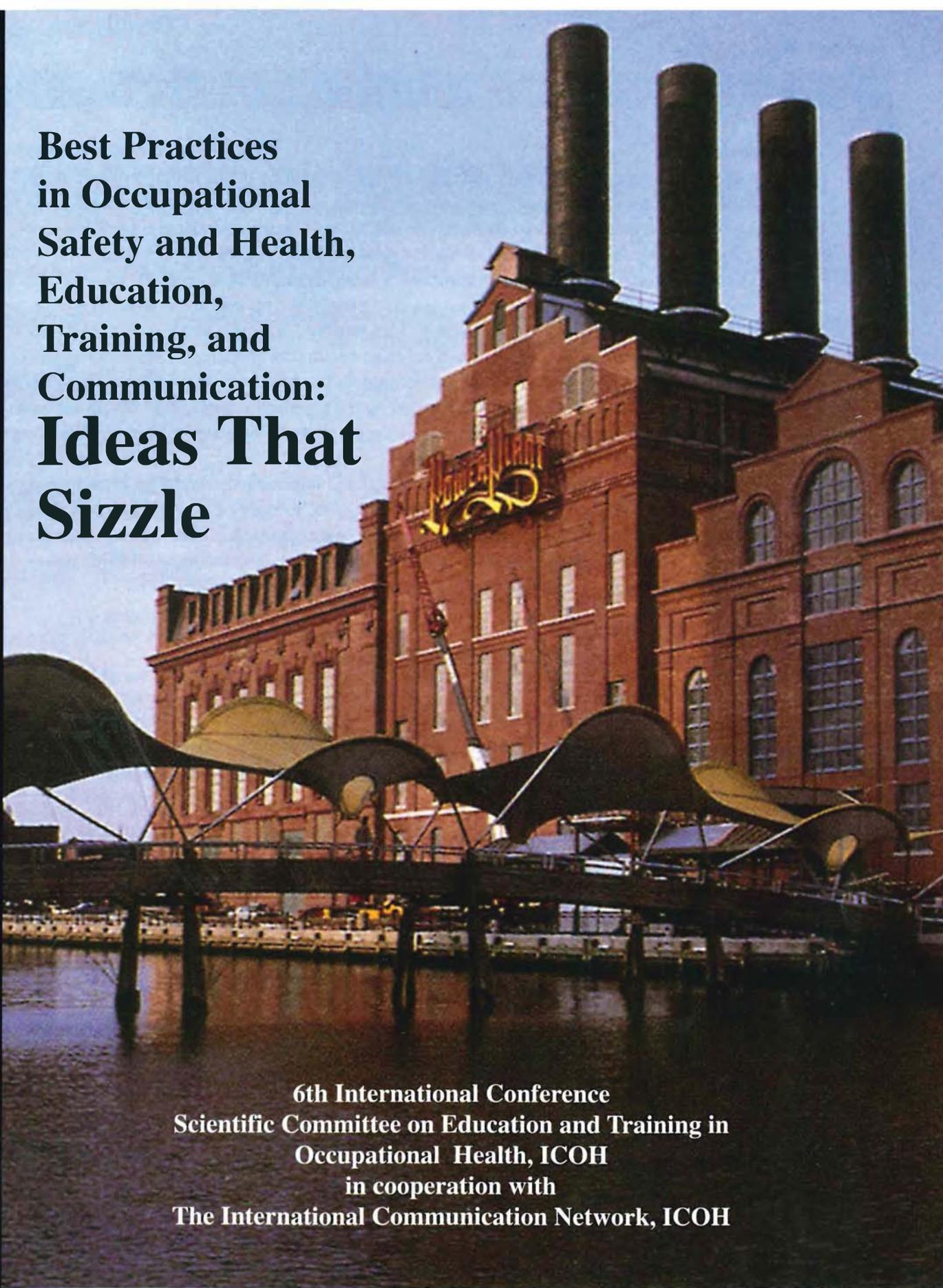
#### ***Cabana Level, South***

Moderator: *Raphael Masschelein, MD, PhD, Belgium*

- Curricula Development for Agricultural Occupational Health: The Kentucky Experience. *Robert McKnight, MPH, ScD, USA*
- Towards a Harmonised Training Program for Occupational Health Physicians in Europe: The Ambitions and Limitations of EASOM. *Raphael Masschelein, MD, PhD, Belgium*
- Core Curriculum for an Occupational Medicine Specialization Course. *Jose Miguel Ramos, MD, Mexico.* Coauthor: *Silvia Ramirez, MD*
- Training Information of Different Complexities. *Natalia Bobko, PhD, Ukraine*

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