Agenda, Wednesday, September 13, 2017

8:00 AM  
**Registration**  
Foyer

*All sessions and posters will be held in the Grande Ballroom*

8:45 AM  
**Maryann D’Alessandro**  
Welcome

9:00 AM  
**Craig Colton**  
PAPRs: A Short History of the Key Influences that Have Helped Shape Designs and Performance Requirements*

9:30 AM  
**Jeff Palcic**  
National Institute for Occupational Safety and Health Framework for Expanding Powered Air-Purifying Respirator Performance Approval Requirements to Better Meet the Needs of Users*

9:50 AM  
**Stella Hines**  
Comfort, Communication, and Protection Perceptions in PAPR Users in Healthcare*

10:05 AM  
**Break**

10:25 AM  
**Matthew Horvatin**  
Performance of Powered Air-Purifying Respirators Using Simulated Healthcare Worker Exercises

10:40 AM  
**Ken Krepel**  
PAPR Batteries and Chargers

10:55 AM  
**Stella Hines**  
Hood Utilization and Device Cleanliness Assessment among PAPR Users in Healthcare

11:10 AM  
**Jeffrey Powell**  
Comfort and Tolerability Evaluation of Powered Air-Purifying Respirators

11:25 AM  
**Panel Members:** Craig Colton, Larry Green, Stella Hines, and Jeff Palcic  
**Moderator:** Jon Szalajda  
PAPR Roundtable Discussion

12:10 PM  
**Lunch**
1:10 PM  Maryann D’Alessandro  
Annual General Meeting

1:40 PM  Allie Bell  
Preliminary Findings from a Personal Protective Equipment Readiness Survey for Ebola Virus Disease and Other Contagious Pathogens

1:55 PM  Nicolaas Claassen  
Will Powered Air-Purifying Respirators be Effective to Protect Workers Against Engineered Nanoparticles?

2:10 PM  Xinjian (Kevin) He  
Study on the Performance of an Unconventional Half-Mask Breath-Response Powered Air-Purifying Respirator

2:25 PM  Dana Rottach  
Models of Small Particle Capture in Fibrous Media can Provide Valuable Insight into Filter Performance

2:40 PM  Refreshment Break

2:55 PM  Poster Session and Moonshine Tasting  
Michael Bergman  Development of a Manikin-Based Performance Evaluation Method for Loose-Fitting Powered Air-Purifying Respirators  
Michael Bergman  A Manikin-Based Assessment of Powered Air-Purifying Respirators Using Variable Supplied Flow Rates  
Brent Doney  Evaluating Respirator Use and Respiratory Protection Programs among Workers in the Road and Transportation Building Industry  
Lee Greenawald  Effect of Stockpiling Conditions on PPE  
Xinjian (Kevin) He  A Comparison of Two Portable Breathing Recording Devices in a Simulated Healthcare Environment  
Xinjian (Kevin) He  Respiratory Flow Characteristics of Healthcare Workers: A Field Study  
Bill King  Work of Breathing (WOB) for Powered Air-Purifying Respirators - Should NIOSH Adopt ISO WOB Test Method and Requirements in New PAPR Standard?  
Andrew Palmiero  PAPRs: Proposed Optional Communication Performance Requirement and Test Method  
Aaron Reeder  PAPRs: Proposed Mandatory Warning Alarm Requirement and Test Method  
Eddie Sinkule  Perceived Exertion Responses from Three Absolute Energy Expenditures While Wearing Tight- and Loose-Fitting Powered Air-Purifying Respirators.

4:15 PM  Closing Remarks

5:00 PM  Networking Event at BJ's Brewhouse