

# Committee on Personal Protective Equipment for Workplace Safety and Health Virtual Meeting

November 21, 2024 11:00 a.m. – 5:00 p.m.

## AGENDA

### Zoom Information

Link: <https://nasem.zoom.us/j/97861847459?pwd=htHlhBNrjrsGHryB3dHaOKNU3TcdZ.1>

Dial In: 1-312-626-6799

Meeting ID: 978 6184 7459

Password: 442258

November 21, 2024

### Objectives

Discussion topics for this meeting will include:

- NIOSH Respirator Fit Evaluation Challenge
- NIOSH Center for Firefighter Safety, Health, and Well-being

11:00-11:10am  
(10 min)

### Welcome and Meeting Overview

*Sundaresan Jayaraman*, Committee Chair

*Maryann D'Alessandro*, NPPTL Director

11:10am-1:45pm  
(155 min)

### Session 1: NIOSH Respirator Fit Evaluation Challenge

11:10am - 11:15am  
(5 min)

### Introduction of NIOSH Respirator Fit Evaluation Challenge, Evaluation Process, and Finalists

*Adam Smith*, Deputy Director, NPPTL

11:15am - 11:35am  
(20 min)

### Overview of the Nine Respirator Fit Evaluation Challenge Solutions

*Michael Bergman*, Research Biologist, NPPTL

*Brooke Vollmer*, Physical Scientist, NPPTL

11:35am - 12:05pm  
(30 min)

### Overviews from Challenge Finalists (10 min each)

*Aaron Collins*, President and Founder, OpenAeros

*Brian Lacey*, CEO, Mobomo

*James Knitter*, Founder and CEO, Consequent Labs

12:05pm - 12:15pm  
(10 min)

### Clarifying Q&A

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12:15pm - 1:05pm  
(50 min)

### **Translating Innovative Scientific Solutions to Market**

*Craig Gravitz*, Director, ARPA-H Project Accelerator Transition Innovation Office

*David Walt*, Core Faculty, Wyss Institute, Harvard University

*Jason Kessler*, Program Executive, NASA SBIR/STTR

*Steve Dearwent*, Scientific Program Official, NIOSH Office of Extramural Programs

*Brandon Talley*, Chief Program and Innovation Officer, CDC Foundation

1:05pm - 1:45pm  
(40 min)

### **Committee Discussion of Focus Questions**

1. What strategies can be considered to move promising technologies from the respirator fit evaluation challenge to market?
2. Which partners could assist NIOSH with translating solutions from the respirator fit evaluation challenge to the next level and how?

#### *Discussants:*

*Lynn Van Deventer*, Challenge Coordinator, NASA Center of Excellence for Collaborative Innovation

*Steve Rader*, Program Manager, NASA Center of Excellence for Collaborative Innovation

*Jacob Swett*, Executive Director, Blueprint Biosecurity

1:45 -2:15pm  
(30 min)

### **BREAK**

2:15- 4:30pm  
(135 min)

### **Session 2: NIOSH Center for Firefighter Safety, Health, and Well-being**

2:15pm – 2:25pm  
(10 min)

#### **Introduction of the NIOSH Center for Firefighter Safety, Health, and Well-being**

*Maryann D'Alessandro*, NPPTL Director

2:25pm – 2:45pm  
(20 min)

#### **Highlights of NPPTL's Evolving PPE Fire Service Research and Post Market Portfolio**

*Hom Sharma*, Research Branch Team Leader, NPPTL

*Jay Tarley*, Evaluation and Testing Branch Team Leader, NPPTL

2:45pm – 3:00pm  
(15 min)

#### **Clarifying Q&A**

3:00pm – 3:30pm  
(30 min)

#### **Panel: Perspectives on NIOSH PPE Program Needs to Support the Fire Service**

*Sean DeCrane*, Director, Health and Safety Operational Services, International Association of Fire Fighters

*David Bullard*, Georgia State Director, National Volunteer Fire Council

*Michaela Campbell*, Director, Government Affairs, Congressional Fire Services Institute

*John Tippet*, Director, Fire Service Programs, National Fallen Firefighters Foundation

*Barry Chase*, Senior Fire Protection Engineer and Standards Lead, Emergency Response & Responder Safety Division, National Fire Protection Association

*David Prezant*, Chief Medical Officer, Office of Medical Affairs, FDNY

3:30pm – 4:30pm  
(60 min)

### **Committee Discussion of Focus Questions**

1. How can NIOSH best meet the needs of the fire service through NIOSH's firefighter PPE research and post market activities?
2. What are some considerations for operationalizing the intent of the Center?
3. How can NIOSH most effectively engage with external partners about communicating the findings from NIOSH PPE research and post market activities?
4. What are some considerations for leveraging the U.S. Fire Administration strategy to guide activities for the NIOSH Center?

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|-------------------------|--|
| 4:30-4:55pm<br>(25 min) | Discussion of Future COPPE Meeting Topics  |
| 4:55-5:00pm<br>(5 min)  | Closing Remarks<br>Sundaresan Jayaraman, Committee Chair<br>Maryann D'Alessandro, NPPTL Director |
| 5:00pm                  | ADJOURN  |