

FACE COVERINGS VS RESPIRATORY PROTECTION DEVICES –

Basics of RPE and differences between RPDs and face coverings

15th April 2021

TODAYS WEBINAR



1. Opening Comments

- *Professor David Crouch (Section Chair)*

2. Respiratory Protection and Community Face Coverings –

- *Nick Baxter (HSE, UK) and Mike Clayton (3M)*

3. Evaluating the effectiveness of face shields using a cough simulator

- *Dr Brian Crook and Dr Catherine Makison-Booth (HSE, UK)*

4. ISRP New Member Introduction –

- *Chris Dobbing – Cambridge Mask Company*

5. Q&A Session – Ask the Expert

6. Future Events

INTERNATIONAL SOCIETY FOR RESPIRATORY PROTECTION



- ISRP, is a non-profit organization whose charter is to provide an educational and informational service to all individuals involved in respiratory protection.
- 6 Sections – Europe, Americas, Australasia, Japan, Korea and GC
- The objectives of the Society are to:
 - **Enhance** the **Health and Safety** of persons that use respiratory protection devices.
 - Encourage the development of **Society Standards** and **Best Practices** applicable to the development, implementation, and administration of respiratory protection programs.
 - Promote the research and evaluation of respiratory protection.
 - Encourage the **Exchange of Information** amongst Government, Industry, Organized Labour, Education, Manufacturers and other Professional Organizations.

<https://www.isrp.com/>

RESPIRATORY PROTECTION AND COMMUNITY FACE COVERINGS

Masks are masks are masks – aren't they?

Mike Clayton – 3M Senior Respiratory Protection Research &
Application Specialist

Nick Baxter – Health & Safety Executive - Breathing Apparatus
Specialist and Chair BSI PH/004 Committee

SPEAKER BIO

NICK BAXTER



- Respiratory Protective Equipment (RPE) technical lead
- Chair Respiratory Protection PH/4
- Various working groups & committees in RPE and fit testing
- ISO RPE Working Groups



MIKE CLAYTON



- Senior Respiratory Protection Research & Application Specialist
- PPE Technical lead
- Chair of the Respiratory Product group
- Past President
- Assessor Technical Committee Accredited Fit tester
- Respiratory Protection PH/4



EVALUATING THE EFFECTIVENESS OF FACE SHIELDS USING A COUGH SIMULATOR

Breathing Manikin and Fluorescence Visualization

Dr Catherine Makison-Booth – Health & Safety Executive

Dr Brian Crook – Health & Safety Executive - Principal Microbiologist

SPEAKER BIO

DR CATHERINE MAKISON-BOOTH



- Higher Scientist
- PPE Technical Assessment Unit
- Effectiveness and suitability of decontamination systems
- Management of Viral Haemorrhagic Fevers and other Diseases of High Consequence
- Laboratory Biosafety Manual' (LBM, 4th Edition).



DR BRIAN CROOK



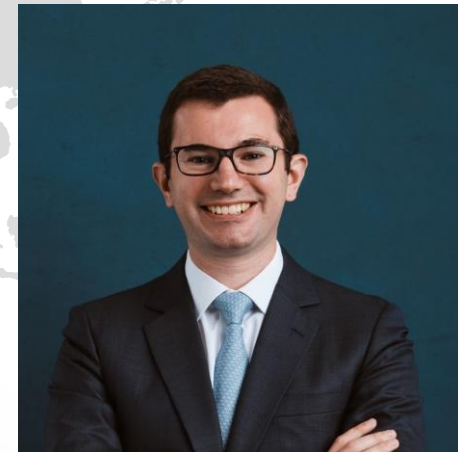
- Principal Microbiologist
- PPE Technical Assessment Unit
- investigate occupational infection, occupational allergy and toxicosis,
- Evaluation RPE and surgical masks in pandemic influenza circumstances
- high consequence infectious disease including viral haemorrhagic fever



ISRP – NEW MEMBER INTRODUCTION

Cambridge Mask Company

Chris Dobbing –



QUESTION AND ANSWERS

“ASK THE EXPERT”

FUTURE WEBINARS



- *National Fit Testing Programmes (Poland) – 18th May 2021*
- *Basics of RPE Standards “Comparison of Int’ RPE Standards” - 24th June*
- *Particulate Pollution – The PM2.5 Crisis – 18th August*
- *Confined Space – The Hidden Hazard – 7th October*
- *Radiological Hazards – 9th December*



THE SOCIETY FOR
RADIOLOGICAL PROTECTION

Email: Secretary@iisrpeurope.com

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THANK YOU