2020 Nanook Award
University of Alaska
Fairbanks Invention Disclosure

Personal Protective Equipment Mask: Emission Testing Methodology

Inventors:
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- Developed by Dr. Orion Lawlor, UAF College of Engineering and Mines, and Mr. Dayne Broderson, UAF Alaska Center for Energy and Power.

- Enhanced PPE testing method to introduce emissions and test fit and fabric.

- Three-dimensional model developed to mount and test masks and quantitatively measure particle emission during respiration.

- Developed as part of Immediate Innovation for Coronavirus Project, with funding support from University of Alaska Center for Innovation, Commercialization, and Entrepreneurship and Office of Naval Research.