

## MEMORANDUM

**DATE:** March 17, 2021

**TO:** Tanyel Turkaslan Bulbul, Joseph L Gabbard Jr, Yimin Qin, Eric Tait Bloomquist, Katie Springer, Lance Eric Weiner

**FROM:** Virginia Tech Institutional Review Board (FWA00000572, expires October 29, 2024)

**PROTOCOL TITLE:** CHS: SMALL: Understanding Human Performance Consequences of Using Headworn Displays for Large Assemblies

**IRB NUMBER:** 16-097

Effective March 17, 2021, the Virginia Tech Institutional Review Board (IRB) approved the Amendment request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

<https://secure.research.vt.edu/external/irb/responsibilities.htm>

(Please review responsibilities before beginning your research.)

## PROTOCOL INFORMATION:

Approved As: **Expedited, under 45 CFR 46.110 category(ies) 4,6,7**  
Protocol Approval Date: **March 20, 2021**  
Protocol Expiration Date: **March 19, 2022**  
Continuing Review Due Date\*: **February 26, 2022**

\*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

## ASSOCIATED FUNDING:

The table on the following page indicates whether grant proposals are related to this protocol, and which of the listed proposals, if any, have been compared to this protocol, if required.

**SPECIAL INSTRUCTIONS:**

This amendment, submitted March 16, 2021, updates research personnel to remove Kevin Polomondo.

Date*	OSP Number	Sponsor	Grant Comparison Conducted?
06/23/2017	PMVCRTT-M	National Science Foundation (Title: Understanding Human Performance Consequences of Using Headworn Augmented Reality Displays in Outdoor Work Environments)	Compared on 06/28/2017

\* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this protocol is to cover any other grant proposals, please contact the HRPP office ([irb@vt.edu](mailto:irb@vt.edu)) immediately.