LIST OF ACRONYMS AND ABBREVIATIONS

2-D	Two-Dimensional
3-D	Three-Dimensional
AIST	Agency of Industrial Science and Technology
ALIVE	Artificial Life Interaction Video Environment
ARC	Artificial Reality Corporation
ARL	Army Research Laboratory
ARM	Argonne Remote Manipulator
ARPA	Advanced Research Projects Agency
CAD	Computer-Aided Design
CCD	Charge Coupled Device
CGSD	Computer Graphics Systems Development
CRT	Cathode Ray Tube
DARPA	Defense Advanced Research Projects Agency
DIBBL	Dismounted Infantry Battlespace BattleLab
DDL	Denne Development Limited
DIS	Distributed Interactive Simulation
DNA	Deoxyribonucleic acid
DoD	Department of Defense
DPI	Dual-Purkinje-Image
DSP	Digital Signal Processing
DTSS	Displaced Temperature Sensing System
DOF	Degree of Freedom
EAM	Exoskeleton ArmMaster
EOG	Electrooculogram
EPI	Epipolar-Plane Image
EVA	Extra Vehicular Activity
FITE	Fusion Interfaces for Tactical Environments
FTFS	Force and Tactile Feedback System
GUI	Graphical User Interface

HAPTAC	HAPtic-TACtile
HDVD	High Definition Volumetric Display
HEHD	Hand Exoskeleton Haptic Display
HHT	Head Hand XYZ Tracker
HITL	Human Interface Technology Laboratory
HMD	Head-Mounted Display
HRTF	Head-Related Transfer Function
IID	Interaural Intensity Difference
IIT	Interaural Time Difference
INTERACT	Interactive Systems Laboratory
IPD	Inter-Pupil Distance
IPORT	Individual Portal
IR	Infra-Red
ISMS	Intelligent Soldier Mobility Simulator
JND	Just-Noticeable-Difference
JPL	Jet Propulsion Laboratory
LCD	Liquid Crystal Diode
LED	Light Emitting Diode
MAF	Minimum Audible Field
MAP	Minimum Audible Pressure
MCP	Metacarpophalangeal
MIT	Massachusetts Institute of Technology
MITI	Ministry of International Trade and Industry
MSR	Microsurgical Robot
nM	Nanomanipulator
NASA	National Aeronautics and Space Administration
NAWCTSD	Navy Air Warfare Center Training Systems Division
NPSNET	Naval Postgraduate School Networked Vehicle Simulator
NSF	National Science Foundation
PAS	Polyphonic Audio Spatializer
PDMFF	Portable Dextrous Master with Force Feedback
PemRAM	Precision Electromagnetic RAM
PIP	Proximal Interphalangeal
PMP	Personal Motion Platform
PUSH	Personal Use Stereoscopic Haptic

RM	Rutgers Master
SBIR	Small Business Innovation Research
SMA	Shape Memory Alloy
SMART	Simultaneous Multiple Area Recognition and Tracking
SPIDAR	Spatial Interface Device for Artificial Reality
STRICOM	Simulation Training and Instrumentation Command
TRP	Technology Reinvestment Program
UNC	University of North Carolina
US	United States
VAPS	Virtual Audio Processing System
VE	Virtual Environment
VEIL	Virtual Environment Interface Laboratory
VR-B	Virtual Binoculars
WPAFB	Wright Patterson Air Force Base