2017-06-07

Metaverse Working Group

Agenda & Meeting Minutes

Date: June 7, 2017

Time: 2:00 PM EST / 11:00 AM PST

Location: BlueJeans - https://bluejeans.com/133355606

Agenda

1. **Introductions** for first time attendees
    - Chris Collins, University of Cincinnati
    - Gurcharan Khanna, Brown University

2. **ScienceNode Articles Featuring VR/AR & MWG Members**
    - All the World's a (Virtual) Stage - https://sciencenode.org/feature/all-the-worlds-a-virtual-stage.php
    - Virtual Reality Kindles a New Way to Learn - https://sciencenode.org/feature/virtual-reality-brings-real-advantages--and--real-challenges.php
    - Hand in Hand Into the Metaverse - https://sciencenode.org/feature/plunging-into-the-metaverse-.php

3. **Virtual NOC Collaborative Project**
    - Collaborative project to develop a "virtual reality NOC" as a proof-of-concept to visualize network traffic and possibly develop a virtual "command and control" center.
    - Current Status: Conference call with the GlobalNOC on May 31, 2017 to gauge interest, most involved in the discussion have not yet tried modern VR
    - Next Steps: Select potential dates for in-person meeting hosted at GlobalNOC in Indianapolis to demo VR and discuss project scope
    - Possible participants:
        - Internet2
        - GlobalNOC (IN)
        - KINBER (PA)
        - OARNet (OH)
        - UCSIM
        - Your institution?

4. **Hardware & Software News**
    - Apple announced VR support at WWDC 2017 (finally!) - https://www.theverge.com/2017/6/5/15743274/apple-external-gpu-vr-development-macos-high-sierra-wwdc-2017
        - New iMac and iMac Pro will be VR ready out of the box
        - External GPU dev kit (available now) should allow VR with MacBook
        - High Sierra macOS update will include VR developer features, and Metal2 will natively support Unity, Unreal Engine, and SteamVR SDK
    - HTC Vive continues to have availability issues with hardware accessories
        - Trackers are currently sold out (again) 😒 - https://www.vive.com/us/vive-tracker/
        - Deluxe audio strap sold out in one day 😒 - https://www.digitaltrends.com/computing/htc-sells-out-vive-deluxe-audio-strap/
    - Google announces standalone Daydream VR hardware - http://www.pcworld.com/article/3197426/data-center-cloud/googles-standalone-vr-and-vps-address-the-clutter-and-clumsiness-of-virtual-reality.html

5. **Metaverse Working Group VR Jam - June 21, 2017 2:00 PM (EDT)**
    - Next VR Jam test platform: AltSpaceVR - https://altvr.com/
    - Event URL: https://account.altvr.com/events/695430999063921531
    - Works with a variety of VR devices:
        - HTC Vive
        - Oculus Rift
        - Samsung GearVR
        - Google DayDream
        - 2D mode for PC (Not Mac compatible)

6. **Open Discussion/Announcements**
    - Other news? Announcements? Discussion items?