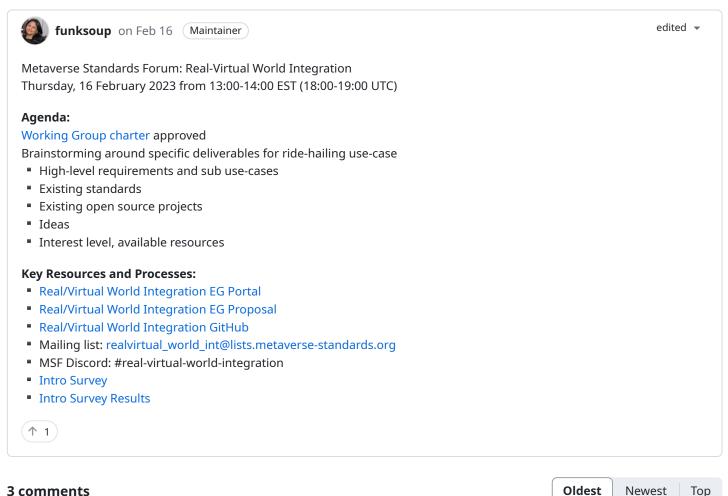
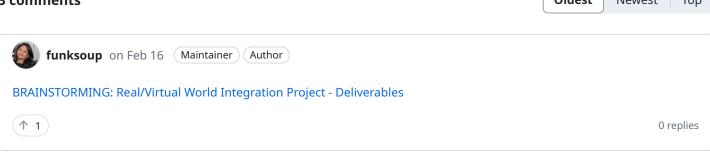
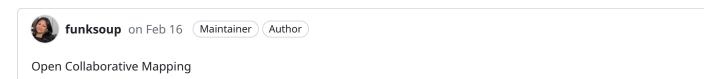
02/16/2023 Metaverse Standards Forum: Real-Virtual World Integration #44

funksoup started this conversation in Real-Virtual World Integration







Open/Interoperable Visual Positioning Service, Spatial Anchors, Markers

Sparse point cloud framework (creation/registration/geo-alignment) and APIs. For APIs, start by evaluating GeoPose Protocol from Open AR Cloud.

Visual positioning (determining GeoPose via cameras) and APIs using data from open collaborative mapping. For APIs, start by evaluating GeoPose Protocol from Open AR Cloud.

High-level requirements and sub use-cases Standards

• https://github.com/opengeospatial/GeoPose

Open-source projects

- https://github.com/OpenArCloud/oscp-geopose-protocol
- https://www.auroraviewer.org/
- https://lamar.ethz.ch/
- https://carla.org/
- https://illixr.org/
- https://github.com/naver/kapture
- https://github.com/colmap/colmap
- https://github.com/isl-org/Open3D
- https://github.com/cvg/Hierarchical-Localization
- https://overturemaps.org/

Ideas

Interest level, available resources

• Open AR Cloud

Suggested by OpenSitePlan: Steve Smyth in Zoom chat: OGC Testbed 19: https://www.ogc.org/projects/initiatives/t-19



0 replies



funksoup on Feb 16 (Maintainer) Author

edited -

ACTION STEP:

Contribute to the brainstorming document-- i.e., use cases, potential open source projects to contribute to, deliverables.



0 replies

Category



Real-Virtual World Integration

Labels

None yet

1 participant

