

## IWCG AR-topics F2F

8:30

Doors open

9:00

Welcome and review agenda

9:30

WebXR Modes

- Facilitator: Brandon Jones (Google)
- Goal: Get buyin on the proposal to formalize WebXR modes and the possible implications on inline AR ([immersive-web/webxr#394](#) and [immersive-web/privacy-and-security#11](#))

10:30

Break

10:45

Hit-testing security limitations

- Facilitator: Max Rebuschatis (Google)
- Discuss Goal: Agree upon a solution to issue [immersive-web/hit-test#6](#)

11:15

Time indexing against XRCoordinateSystems

- Facilitator: Alex Turner (Microsoft)
- Goal: Agree upon a solution to requesting poses at specific time stamps as outlined in issue [immersive-web/webxr#384](#)

11:45

Anchors as they relate to Hit-testing

- Facilitator: Iker Jamardo (Google)
- Goal: Discuss options for relating hittesting results and anchor creation (as per issue [immersive-web/anchors#14](#)).

12:15

LUNCH

1:30

XRFrameOfReference types (“stage”, “eye-level”, etc)

- Facilitator: Alex Turner (Microsoft)
- Goal: Agree upon the intended definitions of the existing types ([immersive-web/webxr#396](#)) and address the request for the new “local” type ([immersive-web/webxr#389](#))

#### 2:00 Geo-alignment

- Facilitator: Blair MacIntyre (Mozilla)
- Goal: Discuss options for enabling reacting to compass refinement and avenues for further investigation (initially discussed in [immersive-web/proposals#5](#))

#### 2:30pm Lighting estimation

- Facilitator: Nell Waliczek (Amazon)
- Goal: Discuss scope of functionality, security implications, and potential approaches for initial API designs as raised in issue [immersive-web/proposals#27](#)

#### 3:00 Computer Vision integration

- Facilitator: Blair MacIntyre (Mozilla)
- Goal: Discuss scope of probable requirements for enabling useful WebXR-aligned computer vision such as timestamp alignment, physical camera offset, and camera intrinsics as initially raised in issue [immersive-web/proposals#4](#)

#### 3:30 Break - gather and vote for breakout session topics

#### 4:00 Potential breakout session topics

- Composed AR stream readout (aka Capturing what's on the display)  
<https://github.com/immersive-web/webxr/issues/310>
- Choosing cameras in video mixed AR  
<https://github.com/immersive-web/webxr/issues/344>
- Poseless Sessions <https://github.com/immersive-web/webxr/issues/367>
- Overview of MagicLeap's system for supporting 3D objects in HTML
- Automatic occlusion with the environment
- World knowledge/understanding

5:30 DONE!

6:30 Dinner