

CSCW 2023: Emerging Telepresence

Emerging Telepresence Technologies for Hybrid Meetings: an Interactive Workshop

Agenda

Local chairs: Marta Orduna & Jason Dekarske

Please join the Zoom session at all times. Chat will be used for important communications by workshop chairs

09.30: Attendees arriving

10.00 -10.15: Introductions & Welcome

10.15 -10.45: Coffee break

All remote users should join the main zoom session



11.00 -13.00: Activity 1) Position & System presentations

----- Setting of First Users Testing The Owl 2.0 and the Double -----

There will be only one group for this activity composed of all remote users (joining in Zoom session). At every presentation, one participant (local or remote) will have the chance to try the Owl 2.0 or Double 3.0 (TBA in zoom chat)

1) **Position:** Mobile Telepresence Robots in Health Care Settings.

Presenting: Alejandra Rojas (**Remote**), Aarhus University

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

2) **Position:** Design Heuristics for XR Tools to Support Social Presence in Hybrid Teams. Presenting: Daniel Griffin (**Remote**), Trinity College Dublin

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

3) **System:** Towards Immersive Digiphysical Conference Experiences

Presenting: Markus Fielder (**Local**) and Jonas Sveglund, Blekinge Institute of Technology, Sweden

-----Q & A + Change of Users Testing The Owl 2.0 and the Double -----

4) **System:** The Double 3 - A Mobile Robotic Telepresence system

Presenting: Andriana Boudouraki (**Remote**)

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

5) **Research presentation** by Pragathi Praveena (**Local**)

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

6) **Research presentation** by Huidong Bai(**Remote**)

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

7) **System:** The Owl 2.0: An Enhanced Immersive Telepresence Low-Cost Prototype for Hybrid Events.

Presenting: Juan Torres (**Local**)

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

8) **Position:** The Tribid-Meeting-Setup - Improving Hybrid Meetings Using a Telepresence Robot.

Presenting: Francisco Hernandez (**Remote**), Chemnitz University of Technology

----- Q & A + Change of Users Testing The Owl 2.0 and the Double -----

13.00 -14.00: Lunch break

14.00 -14.30: System's testing

14.30 -15.00: Coffee break (additional systems testing)

Use the Miro Website to provide feedback throughout the workshop!



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15.00 -16.30: Activity 2) Small hybrid groups discussion

Main zoom session will be divided into two break-out rooms

Every group will be composed of some local users, and some remote users. At the end of every discussion topic, there will be a change of who is using the Double 3 or the Owl 2.0

Group 1 (Double 3): Daniel (R), Juan Torres (L), Huidong (R), Andriana (R), Pragathi (L), Pablo César (R), Marta (L)

Group 2 (The Owl 2.0): Alejandra (R), Markus (L), Álvaro (L), Francisco José (R), Pablo Pérez (R), Jesús (R), Jason (L)

Discussion Q1: What types of hybrid meetings do you think there are? What are the main challenges of such hybrid meetings that telepresence technologies need to solve? How do we assess the success of meetings (metrics for different configurations/setups)

----- Change of Users Testing The Owl 2.0 and the Double -----

Discussion Q2: What resources and infrastructure are necessary to successfully run hybrid meetings? How could emerging technologies mitigate this?

----- Change of Users Testing The Owl 2.0 and the Double -----

Discussion Q3: What role does movement play in hybrid meetings? What forms of movement are beneficial (e.g., head movements, gesturing, full embodied movement)? How important do you consider the possibility to see/interact with real objects from the local scene (e.g.: blackboard, projector, regular object)?

----- Change of Users Testing The Owl 2.0 and the Double -----

Discussion Q4: In comparison to face-to-face, how well do the systems support communication, including non-verbal cues? Are you able to express yourself accurately? Are you able to take part in conversations comfortably (e.g., interrupting)?

----- Change of Users Testing The Owl 2.0 and the Double -----

Discussion Q5: System comparisons.

What are the key differences you noticed between the systems? Which features did you find most useful for supporting hybrid meetings? What was the quality of local-to-remote communication, and remote-to-remote? What has been missing from the systems?

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Discussion Q6: Directions for future work.

On what areas should future work on telepresence focus? What methodologies, modalities, and approaches should be considered?

16.30 -17.30: Discussion + Closing

All remote participants should come back to the main zoom session

Every group will present 3-4 key ideas discussed during A2 to the rest of the group.