# Collaboration Discussion Group

The collaboration discussion group is a research papers club about collaborative systems at Inria Bordeaux

## Meetings

### 20th of March 2023

Presented by: Maudeline Marlier

Paper: **Collaborating Across Realities: Analytical Lenses for Understanding Dyadic Collaboration in Transitional Interfaces**. Jan-Henrik Schröder, Daniel Schacht, Niklas Peper, Anita Marie Hamurculu, and Hans-Christian Jetter. Published at CHI’23. [PDF](https://www.imis.uni-luebeck.de/sites/default/files/2023-03/chi23-203.pdf) - [Presentation](./Presentation/Collaborating_Across_Realities_Analytical_Lenses_for_Understanding_Dyadic_Collaboration_in_Transitional_Interfaces.pdf) - [Reading Notes](./Notes/NotesMaudeline_Pres_200323.md)

### 27th of March 2023

Presented by: Arnaud Prouzeau

Paper: **Speech-Augmented Cone-of-Vision for Exploratory Data Analysis**. Riccardo Bovo, Daniele Giunchi, Ludwig Sidenmark, Joshua Newn, Hans Gellersen, Enrico Costanza, and Thomas Heinis. Published at CHI’23. [PDF](https://eprints.lancs.ac.uk/id/eprint/188254/1/chi23b_sub5452_cam_i16.pdf) - [Presentation](./Presentation/Speech_Augmented_Cone_of_Vision_for_Exploratory_Data_Analysis.pdf)

### 11th of April 2023

Presented by: Juliette Le Meudec

Paper: **Communication Behavior in Embodied Virtual Reality**. Harrison Jesse Smith, Michael Neff. Published at CHI’18. [PDF](https://research.facebook.com/file/142480964706828/vrcommunication_finalchi_v2.pdf) - [Presentation](./Presentation/Communication_Behavior_in_Embodied_Virtual_Reality_pres.pdf) - [Reading Notes](./Notes/Communication_Behavior_in_Embodied_Virtual_Reality_notes.pdf)

### 18th of April 2023

Presented by: Edwige Chauvergne

Paper: **Design orienté collaboration à distance pour supporter la mutual awareness dans le cadre du Single-Pilot Operation**. Maxime Bardou, Catherine Letondal, Mickaël Causse, Jean-Paul Imbert, Mathieu Poirier. Published at IHM’23. [PDF](https://hal.science/IHM-2023/hal-04017286v1)

### 2nd of May 2023

Presented by: Maudeline Marlier

Paper: **Establishing Awareness through Pointing Gestures during Collaborative Decision-Making in a Wall-Display Environment**. Valérie Maquil, Dimitra Anastasiou, Hoorieh Afkari, Adrien Coppens, Johannes Hermen, Lou Schwartz. Poster at CHI’23. [ACM Link](https://dl.acm.org/doi/fullHtml/10.1145/3544549.3585830) - [Presentation](./Presentation/Establishing_Awareness_through_Pointing_Gestures_during_Collaborative_Decision-Making_in_a_Wall-Display_Environment.pdf) - [Reading Notes](./Notes/Establishing_Awareness_through_Pointing_Gestures_during_Collaborative_Decision-Making_in_a_Wall-Display_Environment.md)

### 9th of May 2023

Presented by: Vincent Casamayou

Paper: **Volumetric Mixed Reality Telepresence for Real-time Cross Modality Collaboration**. Andrew Irlitti, MEsut Latifoglu, Qiushi Zhou, Martin N Reinoso, Thuong Hoang, Eduardo Velloso, Frank Vetere. Published at CHI’23. [ACM Link](https://dl.acm.org/doi/abs/10.1145/3544548.3581277)

## Other resources

### Collaboration papers at CHI’23

#### Papers

* **Evaluating the Extension of Wall Displays with AR for Collaborative Work**. Raphaël James, Anastasia Bezerianos, Olivier Chapuis. Published at CHI’23. [PDF](https://hal.science/hal-04010673/document) - [Video](https://hal.science/hal-04010673v1/file/CHI23-wallar.mp4)
* **Are Two Heads Better Than One in AI-Assisted Decision Making? Comparing the Behavior and Performance of Groups and Individuals in Human-AI Collaborative Recidivism Risk Assessment**. Chun-Wei Chiang, Zhuoran Lu, Zhuoyan Li, Ming Yin. Published at CHI’23.
* **Challenging but Connective: Large-Scale Characteristics of Synchronous Collaboration Across Time Zones**. Lillio Mok, Lu Sun, Shilad Sen, Bahareh Sarrafzadeh. Published at CHI’23. [PDF](https://www.microsoft.com/en-us/research/uploads/prod/2023/02/Large-Scale-Characteristics-of-Synchronous-Collaboration-Across-Time-Zones-CHI-2023.pdf)
* **Coding Together: On Co-located and Remote Collaboration between Children with Mixed-Visual Abilities**. Filipa Rocha, Filipa Correia, Isabel Neto, Ana Cristina Pires, João Guerreiro, Tiago Guerreiro, Hugo Nicolau. Published at CHI’23. [PDF](https://www.researchgate.net/publication/369182858_Coding_Together_On_Co-located_and_Remote_Collaboration_between_Children_with_Mixed-Visual_Abilities)
* **Cognition-oriented Facilitation and Guidelines for Collaborative Problem-solving online and face-to-face: An in-depth examination of format and facilitation influence on problem-solving performance**. Yingting Chen, Taro Kanno, Kazuo Furuta. Published at CHI’23.
* **Collaborating Across Realities: Analytical Lenses for Understanding Dyadic Collaboration in Transitional Interfaces**. Jan-Henrik Schröder, Daniel Schacht, Niklas Peper, Anita Marie Hamurculu, and Hans-Christian Jetter. Published at CHI’23. [PDF](https://www.imis.uni-luebeck.de/sites/default/files/2023-03/chi23-203.pdf)
* **Collaborative Creativity in TikTok Music Duets**. Katherine O’Toole. Published at CHI’23.
* **Collaborative Online Learning with VR Video: Roles of Collaborative Tools and Shared Video Control**. Qiao Jin, Yu Liu, Ruixuan Sun, Chen Chen, Puqi Zhou, Bo Han, Feng Qian, Svetlana Yarosh. Published at CHI’23. [Webpage](http://georgiejin.com/portfolio/collaborative-online-learning-with-vr-video-roles-of-collaborative-tools-and-shared-video-control/)
* **Designing Virtual Environments for Social Engagement in Older Adults: A Qualitative Multi-site Study**. Tong Bill Xu, Armin Mostafavi, Benjamin C. Kim, Angella Anyi Lee, Walter Boot, Sara Czaja, Saleh Kalantari. Published at CHI’23. [PDF](https://arxiv.org/ftp/arxiv/papers/2210/2210.03202.pdf) - [Video Preview](https://www.youtube.com/watch?v=dDfrIP0Ge_E)
* **It is Okay to be Distracted: How Real-time Transcriptions Facilitate Online Meeting with Distraction**. Seoyun Son, Junyoung Choi, Sunjae Lee, Jean Y Song, Insik Shin. Published at CHI’23.
* **IntroBot: Exploring the Use of Chatbot-assisted Familiarization in Online Collaborative Groups**. Donghoon Shin, Soomin Kim, Ruoxi Shang, Joonhwan Lee, Gary Hsieh. Published at CHI’23. [PDF](https://faculty.washington.edu/garyhs/docs/shin-CHI2023-introbot.pdf)
* **Exploring Co-located Interactions with a Shape-Changing Bar Chart**. Miriam Sturdee, Hayat Kara, Jason Alexander. Published at CHI’23.

#### Posters/Demos/Others

* **ARctic Escape: Promoting Social Connection, Teamwork, and Collaboration Using a Co-Located Augmented Reality Escape Room**. Theodore Knoll, Amna Liaqat, Andrés Monroy-Hernández. Poster at CHI’23.
* **An Exploration of Theatre Rehearsals in Social Virtual Reality**. Ana Levordashka, Jamie Eastman, Eleni Anna Skoulikari, Anca Salagean, Darren Cosker, Danaë Stanton Fraser. Poster at CHI’23.
* **Blended Interaction: Communication and Collaboration Between Two Users Across the Reality-Virtuality Continuum**. Lucie Kruse, Joel Wittig, Sebastian Finnern, Melvin Gundlach, Niclas Iserlohe, Oscar Ariza, Frank Steinicke. Poster at CHI’23. [Video Preview](https://www.youtube.com/watch?v=29Otj4JJ9u8)
* **BreatheWithMe: Exploring Visual and Vibrotactile Displays for Social Breath Awareness during Colocated, Collaborative Tasks**. Abdallah El Ali, Ekaterina R. Stepanova, Shalvi Palande, Angelika Mader, Pablo Cesar, Kaspar Jansen. Poster at CHI’23. [PDF](https://abdoelali.com/pdfs/chi2023_breathewithme_preprint.pdf)
* **Collaboration in Co-located Collaborative Digital Games - Towards a Quadripartite Taxonomy**. Gökçe Elif Baykal, Eva Eriksson, Olof Torgersson. Poster at CHI’23.
* **Conducting Remote Design Research on Embodied, Collaborative Museum Exhibits**. Duri Long. Case Study at CHI’23.
* **CoRoot: A Collaborative Planting System to Strengthen Intergenerational Relationships**. Rou Qiu, Ziang Xu, Wenjie Xu. Poster at CHI’23.
* **Demonstrating Virtual Teamwork with Synchrobots: A Robot-Mediated Approach to Improving Connectedness**. Yuna Watanabe, Xi Laura Cang, Rúbia Reis Guerra, Devyani McLaren, Preeti Vyas, Jun Rekimoto, Karon E MacLean. Demo at CHI’23.
* **Dream Garden: Exploring Location-Based, Collaboratively-Created Augmented Reality Spaces**. Elizabeth Petrov, Andrés Monroy-Hernández. Poster at CHI’23.
* **Establishing Awareness through Pointing Gestures during Collaborative Decision-Making in a Wall-Display Environment**. Valérie Maquil, Dimitra Anastasiou, Hoorieh Afkari, Adrien Coppens, Johannes Hermen, Lou Schwartz. Poster at CHI’23. [Video Preview](youtube.com/watch?v=sb9EmYKuPuU)
* **Evaluation of a collaborative reading annotation system through multimodal data analysis**. Lili Liu, Lishan Zhang, Yan Shu, Shuwen Wang, Han Wu, Min Xv. Case Study at CHI’23.
* **Is “Categorical Imperative” Metaversal?: A Kantian Ethical Framework for Social Virtual Reality**. Eyup Engin Kucuk, Caglar Yildirim. Poster at CHI’23.
* **Industrial Metaverse: Supporting Remote Maintenance with Avatars and Digital Twins in Collaborative XR Environments**. Leif Oppermann, Florian Buchholz, Yücel Uzun. Poster at CHI’23.
* **How Pairing by Code Similarity Influences Discussions in Peer Learning**. Shiyu Xu, Ashley Ge Zhang, Steve Oney. Poster at CHI’23.
* **Happje: Stimulating Collaborative Cooking for People with Dementia**. Yvon Ruitenburg, Rens Brankaert, Maarten Houben, Minha Lee, Gert Pasman. Poster at CHI’23.

### Collaboration papers at IHM’23

* **Design orienté collaboration à distance pour supporter la mutual awareness dans le cadre du Single-Pilot Operation**. Maxime Bardou, Catherine Letondal, Mickaël Causse, Jean-Paul Imbert, Mathieu Poirier. Published at IHM’23. [PDF](https://hal.science/IHM-2023/hal-04017286v1)
* **Conception collaborative au travers de versions parallèles en Réalité Augmentée**. Arthur Fages, Cédric Fleury, Theophanis Tsandilas. Published at IHM’23. [PDF](https://hal.science/IHM-2023/hal-04014986v1)

### Overall important papers about collaboration

* **Groups: Interaction and performance**. Joseph E. McGrath. Book published in 1984. [PDF](http://users.ece.utexas.edu/~perry/education/382v-s08/papers/mcgrath84.pdf)