Yvonne Jansen, CNRS research scientist

Personal Information

Email: yvonne.jansen@cnrs.fr, Web: yvonnejansen.fr Google scholar: link
Affiliation: Laboratoire Bordelais de Recherche en Informatique (LaBRI), Université de Bordeaux
Postal Address: Centre Inria de l'université de Bordeaux, 200 avenue de la vieille tour, 33405 Talence, France

Research Themes

My current research focuses on ways to enable non-experts to explore and make sense of data relating to societal challenges, such as the accelerating deterioration of the environment and increasing inequalities between people on local, national, intra- and intercontinental levels. As this is a pluridisciplinary research effort, I enjoy collaborating with colleagues from other fields, including cognitive and social psychology, sociology, information sciences, education sciences, economics, and ecology. I also work with the Institut des Transitions at Université de Bordeaux who run living labs on different aspect of campus live and facilitate the deployment and experimentation of prototypes on campus.

Research Transparency Statement

I am a firm believer in research transparency, that is, in being honest and clear throughout all communications about the research process and outcomes, to the extent possible. I started preregistering my studies and sharing supplementary material for all my research projects since 2018 publicly on OSF (the Open Science Framework). My OSF profile features 15 public projects (in 2025) and can be found at osf.io/tj59s, and I try to add material for older projects as time allows. Finally, I also share creative commons versions of relevant figures from my articles on a github repository to facilitate their reuse for others. See https://github.com/yvonnejansen/Figures.

Employment History

Sep 2021	Change of affiliation to Laboratoire Bordelais de Recherche en Informatique
2018/19	Maternity leave (16 weeks)
Oct 2016	CNRS research scientist at Institut des Systèmes Intelligents et de Robotique (ISIR), Sorbonne Université
2016	Assistant Professor at University of Copenhagen, Denmark
2014	Postdoctoral Researcher at the University of Copenhagen, Denmark, with Kasper Hornbæk
2011	PhD student with the AVIZ team, Inria Saclay, funded by *allocations de recherche de ministère*

Education

2014	**PhD in computer science** (mention: très honorable) from Université Paris Sud XI Title: Physical and Tangible Information Visualization Thesis director: Jean-Daniel Fekete (Inria) Defended March 10, 2014
2011	**Diplom Informatik** (German degree, equivalent to MSc / Bac+5) from RWTH Aachen, Germany Title: MudPad–Localized Tactile Feedback on Multi Touch Surfaces

Awards

2024	Best paper award, honorable mention at IEEE PacificVis (journal track) with Morgane Koval and Fanny Chevalier: *Animating Hypothetical Trips to Communicate Space-Based Temporal Uncertainty on Digital Maps*
2023	**Medaille bronze du CNRS** (link)
2022	Best paper award, honorable mention at ACM CHI (top 5% of submissions) with Morgane Koval: *Do You See What You Mean? Using Predictive Visualizations to Reduce Optimism in Duration Estimates*
2021	Best paper award at IEEE VIS: *Perception! Immersion! Empowerment! Superpowers as Inspiration for Visualization*

2019 Best paper award at ACM CHI (top 1% of submissions): Increasing the Transparency of Research Papers with Explorable Multiverse Analyses
2018 Best paper award at ACM CHI (top 1% of submissions): How Relevant Are Incidental Power Poses for HCI?
2014 Second price for Prix de thèse Gilles Kahn (out of 47 submissions, official page)
2010 Second price for ACM CHI student research competition (out of 56 submissions, link)
2010 Best note award at the ACM ITS conference for MudPad: tactile feedback and haptic texture overlay for touch surfaces. (awarded to a single submission by the program committee)
2010 Best demo award at ACM ITS for MudPad: a tactile memory game.

Grants

2025-2027 Co-PI on COMEDO – Project financed by ACT (ANR-20-IDES-0001) together with the Living Lab Alimentation to study participatory visualization interfaces on the climate impact of food choices in university cantines (accepted Feb 2025, https://bivwac.fr/funding/comedo/).
2023-2026 Collaborator on Be ·Aware (ANR-22-CE33-0003) – Bringing Environmental Issues Closer to the Public with Augmented Reality. Collaborative project financed by ANR PRC between Inria Bordeaux, LESSAC (behavioral economy), and CIRED (environmental modeling) https://beaware.inria.fr/
2020-2024 Partner on EMBER (ANR-19-CE33-0012) – Visualisations situées pour l'analyse de données personnelles. Collaborative project financed by ANR PRC between Inria Saclay, Inria Bordeaux, and Sorbonne Université. https://ember.inria.fr/
2018-2023 PI afFABle (ANR-17-CE33-0001) – Augmenting Fab Labs by Integrating Data Visualization. Project financed by ANR Jeune Chercheur / Jeune Chercheuse https://af-fab-le.github.io/
2017/18 PI SAHMI – Situated Analysis of Human-Machine Interactions in Smart Environments. Collaborative project between ISIR and COSTECH (UTC Compiègne) financed by the SMART Labex.

Service Activities

since 2025 Associate editor of ACM TOCHI (the most prestigious journal in Human-Computer Interaction)
2024-2028 **Vice-president of CER-UB** (comité éthique de la recherche de l'université de Bordeaux), the ethics board of the University of Bordeaux
since 2023 Co-responsable of the Image and Sound department of LaBRI
2023-2025 **General chair of ACM TEI** (International Conference on Tangible, Embedded and Embodied Interaction held in Bordeaux March 3-7, 2025 (230 participants) https://tei.acm.org/2025/
2018 Technical Program Chair for ACM EICS (Symposium on Engineering Interactive Computing Systems)
Program committee member (as associate chair, in charge of 5-14 submissions for the full review cycle)
IEEE InfoVis then VIS program committee, (since 2017, every two years out of three)
ACM CHI program committee 2017, 2018, 2020
AFIHM IHM program committee 2017
ACM Interactive Tabletops and Surfaces papers track (2014)
Guest editor IEEE Computer Graphics & Applications, special issue on Data Phyiscalization (2020)

Supervision

PhD students Aymeric Ferron (2023-2026, co-advised with Martin Hachet and Pierre Dragicevic)
Kim Sauvé (visiting PhD student in early 2022)
Morgane Koval (2020-2024, sole advisor, thesis defense in March 2024)
Clara Rigaud (2019-2023, co-advised with Gilles Bailly, thesis defense in June 2023)
Luiz Augusto Morais (visiting PhD student in 2018/2019)

Postdocs	Emmanuel Courtoux (2026-2028)
	Eugénie Brasier (2025-2026)
	Leni Yang (2024-2026)
	Hessam Djavaherpour (2023-2024)
	Ignacio Avellino (2019, now CR CNRS)
	Steve Haroz (2017-2018)
Engineers	Adrien Corn (2024-2026, Be Aware project)
	Vincent Roudaut (2019-2020)
	Cédric Honnet (2017-2018)

Dissemination

Websites

since 2015 ***Data Physicalization Wiki*** *at* dataphys.org

Since February 2015, I maintain this wiki as a communication platform for the emerging community of people working on physical data representations. The site attracts about 300 visitors per month.

since 2014 ***The List of Physical Visualizations*** *(and Related Artifacts)* at dataphys.org/list

The site has become a well known resource in HCI as well as in design schools. It has been cited 52 times in scientific articles (according to GScholar) and continues to attract around 3000 unique visitors per month (according to Google Analytics). It has also been featured on several visualization and design blogs.

Workshop organization

2024 IEEE VIS 2024 *Workshop on Visualization for Climate Action and Sustainability*.
Organizers: Benjamin Bach, Fanny Chevalier, Helen-Nicole Kostis, Mark Subbaro, Yvonne Jansen, Robert Soden.

2022 Dagstuhl seminar on *Transparent Quantitative Research as a User Interface Problem*.
Organizers: Kasper Hornbæk, Yvonne Jansen, Amelia A. McNamara, Judy Robertson, Chat Wacharamanotham. Duration 1 week. 25 participants.

2018 Dagstuhl seminar on Data Physicalization. Organizers: Yvonne Jansen, Bernice Rogowitz, Petra Isenberg, Jason Alexander, Andrew Vande Moere. Duration 1 week, 45 participants

2017 Pedagogy & Physicalization, Workshop at ACM DIS 2017. Organizers: Trevor Hogan, Uta Hinrichs, Yvonne Jansen, Samuel Huron, Pauline Gourlet, Eva Hornecker, Bettina Nissen.

2016 Exploring the Design Process of Data Physicalization, Workshop at DRS 2016
Organizers: Yvonne Jansen, Pauline Gourlet, Samuel Huron, Uta Hinrichs, Trevor Hogan

2016 Tangible Data: Explorations in Data Physicalization. Workshop at ACM TEI 2016 (Feb 14/16).
Organizers: Trevor Hogan, Eva Hornecker, Simon Stusak, Yvonne Jansen, Jason Alexander, Andrew Vande Moere, Uta Hinrichs, Kieran Nolan.

2015 Exploring the Challenge of Making Data Physical. Workshop at CHI 2015.
Organizers: Jason Alexander, Yvonne Jansen, Kasper Hornbæk, Johan Kildal, Abhijit Karnik
27 participants

2014 Death of the Desktop: Envisioning the Future of Visualization Beyond Desktop Computing. Workshop at IEEE VIS 2014.
Organizers: Yvonne Jansen, Petra Isenberg, Jason Dykes, Sheelagh Carpendale, Daniel Keefe
~100 participants

Publications

In the field of Human Computer Interaction (HCI), publications at top-tier conferences are of highest impact due to their rigorous review processes and low acceptance rates (20-25%). The top-tier conference covering all areas of HCI is ACM CHI – the SIGCHI Conference on Human Factors in Computing Systems (~3000 attendees). For Information Visualization, IEEE VIS is the top publication venue (~1200 attendees). Articles accepted at VIS are published in the journal Transactions on Visualization and Computer Graphics (TVCG).

Below is a selection of articles. For a complete list of publications, please check the institutional repository: **cv.hal.science/jansen**

2026 Aymeric Ferron, Ambre Assor, Pierre Dragicevic, **Yvonne Jansen**. Investigating the Effects of Augmented Reality on Message Credibility When Visualizing Environmental Impacts. IEEE Transactions on Visualization and Computer Graphics, 2026, 32 (1), pp.1087-1097. DOI: 10.1109/TVCG.2025.3634786. PDF

2024 Morgane Koval, **Yvonne Jansen**, Fanny Chevalier. Animating Hypothetical Trips to Communicate Space-Based Temporal Uncertainty on Digital Maps IEEE Transactions on Visualization and Computer Graphics (**TVCG**) 30 (6), pp. 2942 - 2954. DOI: 10.1109/TVCG.2024.3388517. PDF
Best paper Honorable mention award at PacificVis 2024

2023 Kim Sauvé, Pierre Dragicevic, **Yvonne Jansen**. Edo: A Participatory Data Physicalization on the Climate Impact of Dietary Choices. TEI 2023 - 17th International Conference on Tangible Embedded and Embodied Interaction. DOI: 10.1145/3569009.3572807. PDF

2022 Morgane Koval, **Yvonne Jansen**. Do You See What You Mean? Using Predictive Visualizations to Reduce Optimism in Duration Estimates. **CHI** 2022 - Conference on Human Factors in Computing Systems, Apr 2022, New Orleans, United States. ⟨10.1145/3491102.3502010⟩. ⟨hal-03599998⟩ **Best paper Honorable mention award** PDF

2022 Luiz Morais, **Yvonne Jansen,** Nazareno Andrade, Pierre Dragicevic. Showing Data about People: A Design Space of Anthropographics. IEEE Transactions on Visualization and Computer Graphics, 2022, 28 (3), pp.1661-1679. DOI: 10.1109/TVCG.2020.3023013.

2021 Wesley Willett, Bon Adriel Aseniero, Sheelagh Carpendale, Pierre Dragicevic, **Yvonne Jansen**, et al.. Perception! Immersion! Empowerment! Superpowers as Inspiration for Visualization. IEEE Transactions on Visualization and Computer Graphics (**TVCG**), 28 (1), pp.22-32. ⟨10.1109/TVCG.2021.3114844⟩. ⟨hal-03342677⟩ PDF
Best paper award

2021 Luiz Morais, **Yvonne Jansen**, Nazareno Andrade, Pierre Dragicevic. Can Anthropographics Promote Prosociality? A Review and Large-Sample Study. **CHI** 2021 - Conference on Human Factors in Computing Systems, May 2021, Yokohama / Virtual, Japan. ⟨10.1145/3411764.3445637⟩. ⟨hal-03132731⟩ PDF

2019 Pierre Dragicevic, **Yvonne Jansen,** Abhraneel Sarma, Matthew Kay, Fanny Chevalier. Increasing the Transparency of Research Papers with Explorable Multiverse Analyses. CHI 2019 - The ACM CHI Conference on Human Factors in Computing Systems, May 2019, Glasgow, United Kingdom. DOI: 10.1145/3290605.3300295. **Best paper award**

2018 Pierre Dragicevic, **Yvonne Jansen**. Blinded with Science or Informed by Charts? A Replication Study. IEEE Transactions on Visualization and Computer Graphics, 2018, 24 (1), pp.781-790. DOI: 10.1109/TVCG.2017.2744298.

2015 **Yvonne Jansen**, Pierre Dragicevic, Petra Isenberg, Jason Alexander, Abhijit Karnik, et al.. Opportunities and Challenges for Data Physicalization. Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI), ACM, Apr 2015, New York, NY, United States. ⟨10.1145/2702123.2702180⟩. ⟨hal-01120152⟩

2013 **Yvonne Jansen**, Pierre Dragicevic, Jean-Daniel Fekete. Evaluating the Efficiency of Physical Visualizations. Proceedings of the 2013 Annual Conference on Human Factors in Computing Systems (CHI 2013), ACM, Apr 2013, Paris, France. pp.2593-2602, DOI: 10.1145/2470654.2481359.