

Lonni Besançon | Curriculum Vitæ

Norrköping, Sweden. Last updated August 1, 2022

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Research Interest and Focus

My main focus lies in the intersection between human-computer interaction and interactive visualization. My focus has been on bridging the gap between several novel interaction paradigms often used in scientific visualization (tactile interaction and tangible interaction for instance) to try and immerse users and domain experts through the use of interaction. I am also deeply interested in statistical analysis, their understanding, and their communication in scientific productions as well as studying the benefits of open-science practices on scholarly production.

Education

○ The National Institutes of Health (NIH) <i>Protecting Human Research Participants</i>	Online Course 2018
○ Université Paris-Saclay <i>PhD in Human Computer Interaction</i>	Paris, France 2014–2017
○ Université Paris-Sud <i>Master of Research in HCI</i>	Paris, France 2013–2014
○ The University of Hong Kong <i>Exchange Program</i>	Hong Kong 2012–2013
○ Polytech Paris-Sud <i>Diplome d'Ingénieur (Equivalent to Master of Engineering)</i>	Paris, France 2009–2014

Grants and Scholarships

- 2021 **Westpac Research Grant:** 150k AUD (approx. 100k Euros, 110k USD) in a project with Burnet Institute and Melbourne University.
- 2020 **Global Talent Program** for a permanent residency in Australia.
- 2019 **Knut and Alice Wallenberg travel grant** from Linköping University to present my work at **EuroVIS 2019**.
- 2014 **Ph.D Scholarship** from the French government to complete my Ph.D project (approximately 100k euros to provide 3 years worth of salary and some equipment)

Awards

- 2021 **Best Paper Honorable Mention Award** for “The MADE-Axis: a Modular Actuated Device to Embody the Axis of a Data Dimension” at the ACM ISS 2021 conference
- 2021 **Special Recognitions for one Outstanding Review** at IEEE ISMAR 2021.
- 2020 **Computer Graphics Forum Top 10 Downloaded papers** for the period 2019-2020 with “Reducing Affective Responses to Surgical Images and Videos Through Stylization.”
- 2019 **Special Recognitions for one Outstanding Review** at ACM CHI 2019.
- 2018 **Second price of the prix de these GDR-IGRV** for my Ph.D thesis “An Interaction Continuum for 3D Dataset Visualization.”
- 2017 **Best Paper Honorable Mention Award** for “Pressure-Based Gain Factor for Mobile 3D Interaction using Locally-Coupled Devices” at the ACM CHI 2017 conference

Teaching and Supervision

PhD Student Supervision.....

Since 2021 Co-advisor of Shaozhang.Dai’s PhD thesis.

Since 2021 Co-advisor of Vahid Pooryousef’s PhD thesis.

Since 10/2018 External advisor of Mickael Sereno’s PhD thesis.

2019–2021 Co-advisor of Kahin Akram Hassan’s PhD thesis.

2017–2020 External advisor of Xiyao Wang’s PhD thesis.

Undergraduate & Graduate Student Supervisions.....

11/2021–03/2022 Principal Advisor of Ishwari Bade for a summer internship (12 weeks). Visualization of Spotify data.

04/2017–09/2017 Advisor of Xiyao Wang: Master’s thesis. Augmenting tactile interaction with pressure input.

06/2017–09/2017 Advisor of Marie Cheng: research internship. Back of device pressure sensing for gain factor control.

Teaching Experience.....

2019 Introduction to Information Visualization (student projects).
Linköping University. 12 hours

2014–2017 Interactive Information Visualization (student projects and lab sessions).
Université Paris Saclay. 12h per year

2016, 2017 Advanced Algorithms and Graph Theory (some lectures and all tutorials),.
Université Paris Saclay. 30h per year

- 2014–2017 Algorithms and Data Structures (tutorials).
Université Paris Saclay. 15–20h per year.
- 2015 Computer Network and Security (tutorials).
Université Paris Saclay. 20h
- 2014 Assembly Language (Tutorial).
Université Paris Saclay. 4h.

Community Service and Activities

Despite my relatively short career in academia, I have reviewed 350+ papers for conferences and journals and served in multiple Program Committees or Editorial Boards.

Scientific Journal Boards.....

- Since 2021 Review Board of Frontiers in [Computer Graphics and Visualization](#)
- Since 2018 International Journal of Virtual Reality

Program Committees.....

- CHI Program Committee for ACM CHI Papers (2022)
- CHI Program Committee for ACM CHI Posters/LBW (2019–2021)
- VR Program Committee for IEEE VR Papers (2019–2022)
- ISMAR Program Committee for ISMAR Papers (2021)
- GI Program Committee for GI Papers (2020)
- ISS Program Committee for ISS Papers (2020)
- VIS Program Committee for IEEE VIS-Infovis Short Papers (2019, 2020)
- PacificVIS Program Committee for PacificVIS Notes/Short Papers (2020 – 2022)
- ICMI Program Committee for ICMI Papers (2021).
- Eurovis Program Committee for Eurovis Short Papers (2018–2021)
- Eurovis Program Committee for Eurovis Posters (2018, 2019)
- ICAT-EGVE Program Committee for ICAT-EGVE Papers (2020,2021)
- Interact Program Committee for Short Papers (2021)
- IHM Program Committee for IHM Papers (2018,2021)
- TEI Program Committee for TEI Late-Breaking Work
- ISMAR Program Committee for ISMAR Posters (2020)

Chairing and Organizing of Scientific Events.....

- Since 2020 Co-chair of Open Practices for IEEE VIS
 - 2021 eLife Sprint hackathon participation
 - 2021 Co-organizer of the first alt.VIS workshop at IEEE VIS
 - 2021 Co-chair of alt.IHM at the IHM conference (French version of ACM CHI).
 - 2020 Co-organizer of the 1st edition of the FailFest workshop at IEEE VIS 2020.
 - 2020 Co-organizer of the 1st national junior faculty meeting in Sweden "Sustainable development of future academia in Sweden."
- 2019-2020 Co-chair of the Junior Faculty at Linköping University which aims at providing workshops, seminars and guidance to students and Early-Career Researchers (ECRs).
- 2019 Co-organized the Open Science Meetup of the IEEE VIS conference

Awards Committees.....

- 2022 CHI Best Paper Committee
- 2021 MobileHCI Best Paper Committee
- 2021 EuroVIS Best Poster Committee

Scientific Outreach and Communication.....

- Since January 2021 Creator and organizer of Monash ReproducibiliTea.
- Since January 2021 Moderator of r/science on Reddit.
- Since June 2020 Co-editor of Binaire, a tech- and research-oriented blog partnered with Le Monde that aims vulgarizing computer-science related topics.
- Since 2018 Wikipedia contributor in French and English

Reviewing for Grant Applications.....

- ANR ANR Senior researcher program. 2 proposals (2022)
- ANR ANR Young researcher program. 1 proposal (2018)

Reviewing for Journals.....

- Nature **Nature Scientific Reports.** (2 papers)
- Royal Society **Royal Society Open Science** (1 paper)
- BMJ **BMJ Open, the British Medical Journal** (6 papers)
- TVCG **IEEE Computer Society TVCG journal** (6 papers)

- TVCG **IEEE Computer Society TVCG journal for the IEE VR Conference** (13 papers)
- BMC BMC Medicine. (1 paper)
- BMC BMC Research Integrity and Peer Review. (1 paper)
- CGF Wiley Computer Graphics Forum (1 STAR)
- ToH IEEE Transactions on Haptics (1 paper)
- JCCH ACM Journal on Computing and Cultural Heritage (2 papers)
- Consumer Electronic IEEE Consumer Electronic Journal, Special edition on Advanced Interaction and Virtual/Augmented Reality (1 paper)
- Springer Scientometrics (4 papers)
- Elsevier Computer & Graphics (3 papers)
- CG&A IEEE Computer Graphics and Applications (2 papers)
- Geoscience Communication [Open review](#) of a [paper about the benefits of including ECRs in reviewing process](#)
- Springer Genetic Programming and Evolvable Machines, special issue on visualization. (1 paper)
- IEEE Transactions on Instrumentation and Measurement (1 paper)
- MDPI Information (3 papers)
- Frontiers Frontiers in Big Data (3 papers)
- JIPH Elsevier Journal of Infection and Public Health (1 paper)
- Elsevier Current Psychology (1 paper)

Reviewing for Conferences/Symposia.....

- 3DUI 3 papers (2016, 2017)
- CHI 33 papers, 4 alt.chi, 34 posters (2016–2022)
- ICMI 19 papers (2016–2022)
- EuroVis 12 papers, 1 STAR, 6 posters (2018–2021)
- GI 4 papers (2020)
- ICAT-EGVE 6 papers (2020,2021)
- IHM 7 papers (2017–2021)
- Interact 5 papers (2019–2021)

ISMAR 40 papers, 5 posters (2018–2022)
ISS 10 papers (2017–2021)
MobileHCI 12 papers, 4 posters (2018 – 2022)
NordiCHI 1 paper (2018)
OzCHI 2 papers (2017)
PacificVIS 13 papers (2019–2022)
SUI 5 papers (2016, 2018, 2019)
TEI 7 papers, 5 posters (2018–2021)
UIST 3 papers (2018, 2019)
VRST 6 papers, 2 posters (2017–2019, 2021)
VIS 17 papers, 8 short papers, 3 alt.VIS, 1 BeLIV (2019–2022)
VR 46 papers (2018–2022)

Post Publication Peer Review.....

In addition to official peer-reviewing done for conferences and journals I have also provided reviews on already published communication on post-publication platforms. Some of these reviews have later been published (see my publications in Nature Scientific Reports or European Journal of Clinical Investigations).

Pubpeer 9 comments (Since 2021)

Dissemination

Invited Talks.....

Talks from conference papers only appear in the publication list at the end of this document.

- 2022 Freiburg ReproducibiliTea: “Correction of the scientific litterature: too little, too late!” Invited talk (online).
- 2022 Westminster Higher Education Forum: “Next steps for Open Science.” Invited talk + Pannel discussions (online).
- 2022 Université Paris Saclay: “Éthique de la recherche, intégrité et responsabilités scientifiques en situation de crise sanitaire – La science ouverte.” Invited talk (online).
- 2021 Riot Science Club: “[Towards a better understanding and communication of uncertainty in empirical research](#)”, invited talk (online).

















- 2021 Glasgow Reproducibilitea: "Towards a better understanding and communication of uncertainty in empirical research", invited talk (online).
- 2021 UniLaSalle, France: "Towards a better understanding and communication of uncertainty in empirical research", invited talk (online).
- 2021 Monash University: "Why on earth would anyone ever be interested in my career?", career talk with PhD students.
- 2021 IBM Research, Zurich: "Towards a better understanding and communication of uncertainty in empirical research", invited talk (online).
- 2021 ReproducibiliTea Surrey: "Scientists stand up for academic whistleblowers" Online. ReproducibiliTea Surrey
- 2021 ReproducibiliTea Zurich: "Open Science Saves Lives." Online. ReproducibiliTea Zurich
- 2021 "Towards a better understanding and communication of uncertainty in empirical research", invited talk, Statistics Department, Monash University.
- 2021 Panel: "[Open Research: A vision for the future](#)" Online. RIOT Science Club.
- 2021 The Future Of Open Research: "[Open Science Saves Lives.](#)" Online. RIOT Science Club.
- 2020 ReproducibiliTea Mexico: "Open Science Saves Lives." Online. ReproducibiliTea Mexico
- 2020 Edinburgh ReproducibiliTea: "[Open Science Saves Lives.](#)" Online. Edinburgh ReproducibiliTea
- 2020 UCL ReproducibiliTea: "[Open Science Saves Lives.](#)" Online. UCL ReproducibiliTea
- 2020 National Junior Faculty of Sweden: Improving research culture – Open Science & Open Access.
- 2019 **TEDx**: "[TEDx Automatic Visual Censoring: from Science-Fiction to Reality](#)", TEDx Norrköping, Sweden.
- 2019 "[Automatic Visual Censoring: from Science-Fiction to Reality](#)", SigCHI Paris.
- 2019 "Towards a better understanding and communication of uncertainty in empirical research", invited talk, University of Victoria, Canada.
- 2019 "Population overlays on choropleth maps", invited talk, The Institute for Analytical Sociology Research Symposium, Sweden.
- 2018 "Reducing Affectives Responses to Surgical Media", seminar, Linköping University, Sweden.
- 2018 "An Interaction Continuum for 3D Dataset Visualization", invited talk, JRV, Université Evry Val-d'Essone, France.
- 2018 "An Interaction Continuum for 3D Dataset Visualization", SigCHI Toulouse, France.
















- 2018 “The Significant difference between p-values and confidence intervals”, invited talk, Toulouse, France.
- 2018 “An Interaction Continuum for 3D Dataset Visualization”, invited talk, Linköping University, Sweden.






















Participation to seminars.....

- 2021 [eLife. Innovation Sprint 2021: The iteration of good practices](#)
- 2020 [Riot Science Club. Open Research: A Vision for the Future](#)
- 2019 [Dagstuhl seminar. Mobile Data Visualization](#)

Newspaper Articles, Podcasts, Videos about my research.....

-  2022 **Nature:** [COVID was twice as deadly in poorer countries](#)
-  2022 **The Scientist:** [Gone but Not Forgotten: Retracted COVID-19 Papers Still Cited](#)
-  2022 **Forbes:** [How Many Variants And Deaths Are We Willing To Accept, Before We Protect The Whole World?](#)
-  2022 [The Atlantic:](#) [What an Alzheimer’s Controversy Reveals About the Pressures of Academia](#)
-  2022 [FactCheck.org:](#) [COVID-19 Vaccination Increases Immunity, Contrary to Immune Suppression Claims](#)
-  2022 [Atlantico:](#) [Quand les journaux scientifiques diffusent de la pseudo science](#)
-  2022 [Foreign Affairs NZ:](#) [MIL-Evening Report: While Australians line up for COVID boosters, low vaccination rates in poor countries continue to cost lives](#)
-  2022 [Yahoo News:](#) [While Australians line up for COVID boosters, low vaccination rates in poor countries continue to cost lives](#)
-  2022 [Quartz:](#) [Covid was twice as deadly in poor countries as in rich ones](#)
-  2022 [MSN News:](#) [Covid was twice as deadly in poor countries](#)
-  2022 [Nach Welt:](#) [Erster gemeldeter Fall einer Person, die COVID von einer Katze bekommen hat](#)
-  2022 [Liberation:](#) [Un article d’un quotidien réunionnais révèle-t-il les dangers des vaccins à ARN messenger, sur la base d’une étude à paraître?](#)
-  2022 [The inspiring STEM Podcast:](#) [Open Science Saves Lives, an interview with Dr. Lonni Besançon](#)
-  2022 **Metro UK:** [World’s richest men more than doubled their wealth in pandemic, Oxfam says](#)
-  2022 **Spiegel Science:** [This is what is known about the new corona variant B.1.640.2](#)
-  2022 [Tehran Time:](#) [Ten richest men double fortunes in pandemic](#)

-  2022 Information: [Om du er fattig eller rig, siger mere om din risiko for at dø af corona end din alder](#)
-  2022 The Street: [10 Richest Men Double Their Fortunes In Pandemic While Incomes Of 99 Per Cent Of Humanity Fall](#)
-  2022 La Tronche En Biais (Video Interview): [Covid : cette étude influente était fausse ! \[Le Bénéfice du Doute #20\]](#)
-  2022 Fact & Furious: [Vaccination : que penser de cette étude du European Journal of Epidemiology ?](#)
-  2022 Retraction Watch: [A paper published earlier this year in an epidemiology journal about COVID-19 vaccines earns three critical letters. And the authors respond.](#)
-  2021 **Washington post** [Rand Paul's false claim that masks don't work](#)
-  2021 **The Guardian** [Australian Research Council under pressure after funding rule angers academic community](#)
-  2021 Retraction Watch: [Paper claiming a lack of evidence COVID-19 lockdowns work is retracted.](#)
-  2021 Fact & Furious: [Etude rétractée sur l'inutilité du confinement : comment et pourquoi ?](#)
-  2021 Le Figaro: [Covid-19 : sans restrictions sévères ni passe sanitaire, la Suède a-t-elle vraiment gagné son pari ?](#)
-  2021 The Conversation: [Comment la science ouverte peut faire évoluer les méthodes d'évaluation de la recherche.](#)
-  2021 Brisbane Times: [Why is Melbourne the world's lockdown capital? Policy, bad luck – and maybe the weather](#)
-  2021 The London School of Economics and Political Science (Blog): [Has COVID-19 been the making of Open Science?](#)
-  2021 Atlantico: [Covid-19 : avec le recul, la Suède, bonne ou mauvaise stratégie face au virus ?](#)
-  2021 The Conversation [Science ouverte et Covid-19 : Une opportunité pour démocratiser le savoir ?](#)
-  2021 **The NewYorker**: [How a Sharp-Eyed Scientist Became Biology's Image Detective](#)
-  2021 **Nature**: [Scientific image sleuth faces legal action for criticizing research papers](#)
-  2021 **Science**: [Scientists rally around misconduct consultant facing legal threat after challenging COVID-19 drug researcher](#)
-  2021 **The Guardian**: [World expert in scientific misconduct faces legal action for challenging integrity of hydroxychloroquine study](#)
-  2021 Atlantico: [Open science, open data : les principes fondamentaux qui auraient pu nous éviter tant de confusion scientifique et médicale face à la pandémie de Covid-19](#)

-  2021 Heidi News: [Le débat scientifique piégé entre tribunaux et réseaux sociaux](#)
-  2021 **ABC's Science Friction:** [Troublemakers for truth — death threats for calling out bad COVID science](#)
-  2021 RTBF: [Quand la science est envoyée au tribunal : une consultante traqueuse de fraude scientifique attaquée par Didier Raoult](#)
-  2021 Cambio: [Defensor del uso la hidroxiclороquina contra la COVID-19 lleva a tribunales a una colega que lo cuestiona](#)
-  2021 Med China: [Academic "Fake Detective" was sued in court](#)
-  2021 : [Vendetta contro la Scienza, lo scandalo francese.](#)
-  2021 World Today News: [Scientists support Dutch researcher after French 'miracle doctor' report](#)
-  2021 Science Presse: [Quand une lanceuse d'alerte est poursuivie par celui qu'elle critique.](#)
-  2021 Le Parisien: [Pourquoi Didier Raoult porte-t-il plainte contre une chercheuse, soutenue par plus de 1000 scientifiques ?](#)
-  2021 Zhuanlan: [A well-known academic fraud investigator was sued for questioning the efficacy of hydroxychloroquine.](#)
-  2021 Journal International de Medecine: [Quand harcèlement et procédure bâillon veulent clore le débat.](#)
-  2021 The Scientist: [Elisabeth Bik Faces Legal Action After Criticizing Studies.](#)
-  2021 163: [A well-known academic fraud investigator was sued for questioning the efficacy of hydroxychloroquine.](#)
-  2021 TechZone Daily: [Scientific image sleuth faces legal action for criticizing research papers](#)
-  2021 Seznam Zpravy: [Scientist has questioned the "miracle cure for covid". She now faces charges and threats](#)
-  2021 Seznam Zpravy: [Scientists have questioned the "miracle cure for covid". He now faces charges and threats](#)
-  2021 France24: [Un expert mondial en faute scientifique fait face à une action en justice pour contestation de l'intégrité de l'étude sur l'hydroxychloroquine](#)
-  2021 SonDakika: [Hidroksiklorokine dair calismayi analiz eden bilim insanina karalama kampanyasi](#)
-  2021 Joop: [Wetenschappers steunen Nederlandse onderzoekster na aangifte Franse 'wonderdokter'](#)
-  2021 Finance China: ["Academic Anti-Counterfeiting King" is sued for questioning science.](#)
-  2021 Huanqiukexue: [Professional fraud-detector Bik accused of "extortion"](#)

-  2021 NRC: [Honderden wetenschappers spreken steun uit aan Nederlandse microbioloog](#)
-  2021 GenomeWeb: [Raising Concerns, Accused of Harassment](#)
-  2021 MedPage Today: [Wereldwijde steun voor geïntimideerde fraudejager Elisabeth Bik](#)
-  2021 Ad Valvas: [Wereldwijde steun voor geïntimideerde fraudejager Elisabeth Bik](#)
-  2021 Blog post Respectful Insolence: [Legal thuggery: A favored technique by disinformation merchants to silence critics](#)
-  2021 Newsy Today: [Elisabeth Bik: I keep looking for wrongdoing](#)
-  2021 Die Nachrichten: [Forschende fordern Schutz von wissenschaftlichen Whistleblowern](#)
-  2021 Société de réanimation de langue française: [Alors le confinement, ça marche ?](#)
-  2021 Le Figaro: [Carcérales ou franchement laxistes : à l'étranger, des quarantaines à géométrie \(très\) variable](#)
-  2021 **ScienceMag**: [Critics slam letter in prestigious journal that downplayed COVID-19 risks to Swedish schoolchildren](#)
-  2021 The New Statesman: [Why we need a more honest debate about the risks of reopening schools](#)
-  2021 Business AM: [En Suède, c'est le monde à l'envers: 'Les pro-confinement et pro-masque sont censurés et agressés'](#)
-  2021 Newsweek: [Swedish Professor Who Quit COVID Research Over Backlash Stands by School Study's Findings](#)
-  2021 Business AM: [Scandale en Suède: un pédiatre a tronqué les chiffres des décès d'enfants pour garder les écoles ouvertes](#)
-  2021 ZAP: [Acusado de manipular dados sobre mortes em crianças, professor sueco desiste de investigar covid-19](#)
-  2021 Arte: [Confinement : des études controversées - Désintox - ARTE](#)
-  2021 TrustMyScience: [Les risques liés à la COVID-19 au sein des écoles en Suède minimisés dans un article scientifique ?](#)
-  2021 The New Statesman: [Why the trial of Covid-19 drug tocilizumab is a model of good science](#)
-  2021 France Culture: [Le confinement sert-il à quelque chose ?](#)
-  2021 Andrew Gelman's "Stats Modeling" blog: [Further comments on "Assessing mandatory stay-at-home and business closure effects on the spread of COVID-19"](#)
-  2021 HeidiNews: [Une étude de Stanford a-t-elle vraiment montré l'inefficacité du confinement?](#)
-  2021 Marie Claire: [Covid-19 : le confinement est-il inefficace, comme l'affirme une étude?](#)

- 🇫🇷 2021 Le Parisien: [Covid-19 : le confinement est-il inefficace, comme l'affirme une étude de l'Université de Stanford ?](#)
- 🇫🇷 2021 LCI: [Covid-19 : le confinement a-t-il été inefficace contre l'épidémie comme le suggère une étude ?](#)
- 🇫🇷 2021 Le Parisien: [Covid-19 : la situation est-elle vraiment meilleure dans les pays sans confinement ? ».](#)
- 🇫🇷 2021 20 minutes: [Coronavirus : Est-ce la fin définitive du « modèle suédois ».](#)
- 🌐 2021 [Science Discussion Series: Preprints, rushed peer review, duplicated efforts, and conflicts of interest led to confusion and misinformation regarding COVID-19.](#)
- 🇺🇸 2020 **Scientific American:** [The COVID Science Wars](#)
- 🌐 2020 [Reddit AMA \(Ask Me Anything\) on Open Science and COVID-19 Research in r/IAMa.](#)
- 🇫🇷 2020 [Reddit AMA \(Ask Me Anything\) on Open Science and COVID-19 Research in r/france.](#)
- 🇮🇹 2020 [Altreconomia Scienza aperta e Covid-19](#)
- 🌐 2020 [preLight Preprint highlights, selected by the biological community](#)
- 🌐 2020 **Sciencemag** [COVID-19 data scandal prompts tweaks to elite journal's review process](#)
- 🇮🇹 2020 [Debate Ciencia abierta: arma contra la Covid-19 que debe pulirse](#)
- 🌐 2020 [Could open science save lives during a pandemic? These authors say it could.](#)
- 🇨🇭 2020 [Heidi News Covid-19: de jeunes chercheurs exigent plus de transparence contre la mauvaise science](#)
- 🌐 2020 [International Science Council The COVID-19 Pandemic Illustrates the Need for Open Science](#)
- 🌐 2020 [Blog Post COVID-19 Open Science Saves Lives: Invite to Co-Sign and Comment](#)
- 🌐 2020 [Blog Post How preprints provide rapid research dissemination in a crisis, covering my preprint "Open Science Saves Lives"](#)
- 🌐 2020 [Short Blog Post "Open Science Saves Lives"](#)
- 🌐 2020 [Reddit AMA \(Ask Me Anything\) on visual censoring technologies.](#)
- 🇫🇷 2020 [AMA \(Ask Me Anything\) on visual censoring technologies in the r/france subreddit.](#)
- 🌐 2020 [The Wiley Network: "Can Graphic Content Inform Without the Shock-factor?"](#)
- 🇳🇴 2020 [Walk'n'Talk: "Walk'n'Talk with Lonni Besancon - a science talk about computer interactions, visual censoring and open science"](#)
- 🌐 2020 [Data Skeptics Podcast: "Visualizing Uncertainty"](#)
- 🇫🇷 2020 [Interstices: "Arkangel dans Black Mirror : la réalité diminuée"](#)

- 🇫🇷 2020 Binaire, Le Monde: [“Censure visuelle automatique : de la science-fiction à la réalité”](#)
- 🇫🇷 2020 Binaire, Le Monde: [“Le projet Folding@Home”](#)
- 🌐 2020 The New Statistics: [“The Shape of a Confidence Interval: Cat’s Eye or Plausibility Picture, and What About Cliff?”](#).
- 🌐 2019 The New Statistics: [“Statistical Cognition: An Invitation”](#)
- 🌐 2019 The New Statistics: [“Sadly, Dichotomous Thinking Persists in HCI Research”](#)
- 🇫🇷 2019 Binaire, Le Monde: [“Un Écoulement de Pokemons”](#)

TV.....

- 🇫🇷 2021 French News Program: [“La Suède instaure un pass sanitaire.”](#)
- 🇫🇷 2021 French News Program: [“Facebook lance le «futur d’Internet»: vers une société «Black Mirror?»”](#)
- 🇫🇷 2021 French News Program: [“En quarantaine, ils racontent.”](#)
- 🇫🇷 2020 French News Program: [“La fin d’une exception suédoise et c’est plutôt logique”](#)
- 🇫🇷 2020 French TV Show: [“Il est interdit d’interdire: La Suède et COVID19”](#)

Authoring and Editing of Popular Science Articles.....

- 🇫🇷 2022 Binaire, Le Monde: [“Correction scientifique : droit à l’erreur et devoir de bonne foi.”](#) – Author
- 🌐 2022 Binaire, Le Monde: [“The Scientific Thinking Behind COVID-19 Skepticism.”](#) – Editor
- 🇫🇷 2022 Binaire, Le Monde: [“Le raisonnement scientifique derrière le covido-scepticisme.”](#) – Editor
- 🇫🇷 2022 Fact & Furious: [Vaccination : que penser de cette étude du European Journal of Epidemiology ?](#)
- 🌐 2021 The London School of Economics and Political Science (Blog): [Has COVID-19 been the making of Open Science?](#) – Author
- 🇫🇷 2021 Atlantico: [“Covid-19 : quelques nouvelles de la situation en Suède. Elles ne sont pas bonnes.”](#) – Author
- 🇸🇪 2021 SULF: [“Report: Uncertainty – a reality for junior researchers in Sweden.”](#) – Co-author
- 🇫🇷 2021 Binaire, Le Monde: [“Le Dilemme de la Maladie.”](#) – Editor
- 🇫🇷 2021 Fact & Furious: [La Suède, entre mythes et réalités.”](#) – Author
- 🇫🇷 2020 Binaire, Le Monde: [“L’open science au chevet des fakes news.”](#) – Author
- 🇫🇷 2020 Interstice: [“Arkangel dans Black Mirror : la réalité diminuée.”](#) – Author

- 🇫🇷 2020 Binaire, Le Monde: “[Censure visuelle automatique : de la science-fiction à la réalité.](#)” – Author
- 🇫🇷 2020 Binaire, Le Monde: “[Décret Datajust du 27 mars 2020 et covid-19 : attention aux raccourcis hâtifs !.](#)” – Editor
- 🇫🇷 2020 Binaire, Le Monde: “[Le projet Folding@Home.](#)” – Author
- 🌐 2019 Open Science Mooc: “[It is time to fix research evaluation](#)” – Author
- 🌐 2019 Open Science Mooc: “[How can Open Science benefit your career?](#)” – Author
- 🇫🇷 2019 Binaire, Le Monde: “[Un Écoulement de Pokemons.](#)” – Author

Employment

- **Linköping University** **Norrköping, Sweden**
Research Fellow *Since Decembre 2021*
- **Monash University** **Melbourne, Australia**
Research Fellow *September 2020 – Decembre 2021*
- **Linköping University** **Norrköping, Sweden**
Postdoctoral Researcher *May 2018 – July 2020*
- **Universite Paris Saclay** **Paris, France**
Teaching Assistant *2014 – 2018*
- **Polytech Paris-Sud** **Paris, France**
Teaching Assistant *2014 – 2018*
- **IRT System X** **Paris, France**
Research Engineer Intern *March 2014 – September 2014*
- **Thales Air System** **Thales Air Systems**
Software Developer Intern, Paris, France *June 2013 – September 2013*
- **Generale de Sante** **Paris, France**
Network Engineer Intern *May 2011 - July 2011*

References

- Tobias ISENBERG (thesis supervisor)
Inria, Saclay-Ile-de-France
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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 (~4000 attendees). For Information Visualization, IEEE VIS is the top publication venue (~1200 attendees).

Peer-reviewed Journal Articles.....

Articles accepted at the IEEE VIS conferences are published in the journal IEEE Transactions on Visualization and Computer Graphics.

- Gideon Meyerowitz-Katz, **Lonni Besançon**, Raphael Wimmer Antoine Flahault. Impact of mobility reduction on COVID-19 mortality: absence of evidence might be due to methodological issues. in *Nature Scientific Report, Matters Arising*, 2021. doi: <https://doi.org/10.1038/s41598-021-02461-2>
- Mickael Sereno, **Lonni Besançon**, Tobias Isenberg. Point Specification in Collaborative Visualization for 3D Scalar Fields Using Augmented Reality, in *Springer Virtual Reality*.
- Matthieu Mulot, Corentin Segalas, Clémence Leyrat, **Lonni Besançon**. “Re: Subramanian and Kumar. Vaccination rates and COVID-19 cases,” in *European Journal of Epidemiology*, 2021 doi: <https://doi.org/10.1007/s10654-021-00817-6>
- Jim Smiley, Benjamin Lee, Siddhant Tandon, Maxime Cordeil, **Lonni Besançon**, Jarrod Knibbe, Bernhard Jenny, Tim Dwyer. The MADE-Axis: a Modular Actuated Device to Embody the Axis of a Data Dimension. in *PACMHCI V5, ISS*, (2021) doi: <https://doi.org/10.1145/3488546>
- **Lonni Besançon**, Nathan Peiffer-Smadja, Corentin Segalas, Haiting Jiang, Paola Masuzzo, Cooper Smout, Eric Billy, Maxime Deforet, Clémence Leyrat. Open Science Saves Lives: Lessons

from the COVID-19 Pandemic, in *BMC Med Res Methodol* 21, 117 (2021). DOI: <https://doi.org/10.1186/s12874-021-01304-y>

- Jouni Helske, Matthew Cooper, Anders Ynnerman, **Lonni Besançon**. Can visualization alleviate dichotomous thinking Effects of visual representations on the cliff effect. *IEEE Transactions on Visualization and Computer Graphics*, Institute of Electrical and Electronics Engineers, 2021. In press. doi: <https://doi.org/10.1109/tvcg.2021.3073466>
- **Lonni Besançon**, Anders Ynnerman, Daniel F. Keefe, Lingyun Yu, Tobias Isenberg. The State of the Art of Spatial Interfaces for 3D Visualization. *Computer Graphics Forum*, Wiley, 2021, 40 (1), pp.293–326. doi: <https://dx.doi.org/10.1111/cgf.14189>
- Mickael Sereno, Xiyao Wang, **Lonni Besançon**, Michael J. McGuffin, and Tobias Isenberg. Collaborative Work in Augmented Reality: A Survey. *IEEE Transactions on Visualization and Computer Graphics*, Institute of Electrical and Electronics Engineers, 2021. In press. doi: <https://dx.doi.org/10.1109/TVCG.2020.3032761>
- **Lonni Besançon**, Niklas Rönnerberg, Jonas Löwgren, Jonathan P. Tennant, Matthew Cooper. Open Up: A Survey on Open and Non-anonymized Peer Reviewing. in *Research Integrity and Peer Review* 5, 8 (2020). doi: <https://doi.org/10.1186/s41073-020-00094-z>
- Andy Cockburn, Pierre Dragicevic, **Lonni Besançon**, Carl Gutwin. Threats of a replication crisis in empirical computer science. *Communications of the ACM*, Association for Computing Machinery, 2020, 63 (8), pp.70-79. doi: <https://dx.doi.org/10.1145/3360311>
- **Lonni Besançon**, Amir Semmo, David Biau, Bruno Frachet, Virginie Pineau, El Hadi Sariali, Marc Soubeyrand, Rabah Taouachi, Tobias Isenberg, Pierre Dragicevic. Reducing Affective Responses to Surgery Images and Videos through Stylization. *Computer Graphics Forum*, Wiley, 2020, 39 (1), pp.462–483. doi: <https://dx.doi.org/10.1111/cgf.13886>
- Kahin Akram Hassan, Yu Liu, **Lonni Besançon**, Jimmy Johansson, and Niklas Rönnerberg. A Study on Visual Representations for Active PlantWall Data Analysis. In *MDPI Data*, 2019. doi: <https://doi.org/10.3390/data4020074>
- Xiyao Wang, **Lonni Besançon**, Mehdi Ammi, Tobias Isenberg. Augmenting Tactile 3D Data Navigation With Pressure Sensing. *Computer Graphics Forum, Eurographics Conference on Visualization (EuroVis 2019)*, pp.635-647, 2019. doi: <https://dx.doi.org/10.1111/cgf.13716>
- **Lonni Besançon**, Mickael Sereno, Lingyun Yu, Mehdi Ammi, Tobias Isenberg. Hybrid Touch/Tangible Spatial 3D Data Selection. *Computer Graphics Forum, Wiley, 2019, Eurographics Conference on Visualization (EuroVis 2019)*, 38 (3), pp.553-567, 2019. doi: <https://dx.doi.org/10.1111/cgf.13710>.
- Tanja Blascheck, **Lonni Besançon**, Anastasia Bezerianos, Bongshin Lee, Petra Isenberg. Glanceable Visualization: Studies of Data Comparison Performance on Smartwatches. *IEEE Transactions on Visualization and Computer Graphics*, 2019. doi: <https://dx.doi.org/10.1109/TVCG.2018.2865142>

- **Lonni Besançon**, Paul Issartel, Mehdi Ammi, and Tobias Isenberg. Hybrid tactile/tangible interaction for 3D data exploration. *IEEE Transactions on Visualization and Computer Graphics*, 23(1):881–890, January 2017. doi: <https://dx.doi.org/10.1109/TVCG.2016.2599217>

Journal Articles Currently Under Review.....

- Xiyao Wang, **Lonni Besançon**, Mehdi Ammi, Tobias Isenberg. Understanding Differences between Combinations of 2D and 3D Input and Output Devices for 3D Data Visualization. [Under Review for International Journal of Human - Computer Studies](#).
- Kahin Akram Hassan, **Lonni Besançon**, Jimmy Johansson, Anders Ynnerman, Niklas Rönnerberg. Evaluation of Radial Methods Based on the Clock Metaphor for Visualization of Cyclic Data. [Under Review for IEEE TVCG](#).

Peer-reviewed Conferences.....

- Moritz Hilscher, Hendrik Tjabben, Hendrik Rätz, Amir Semmo, **Lonni Besançon**, Jürgen Döllner, Matthias Trapp. Service-based Analysis and Abstraction for Content Moderation of Digital Images. *Graphics Interface 2021*.
- Xiyao Wang, **Lonni Besançon**, David Rousseau, Mickael Sereno, Mehdi Ammi, Tobias Isenberg. Towards an Understanding of Augmented Reality Extensions for Existing 3D Data Analysis Tools. *CHI 2020 - ACM Conference on Human Factors in Computing Systems*, Apr 2020, Honolulu, United States. doi: <https://dx.doi.org/10.1145/3313831.3376657>
- **Lonni Besançon**, Amir Semmo, David Biau, Bruno Frachet, Virginie Pineau, El Hadi Sariali, Rabah Taouachi, Tobias Isenberg and Pierre Dragicevic. Reducing Affective Responses to Surgical Images through Color Manipulation and Stylization. In *Proceedings of the Joint Symposium on Computational Aesthetics and Sketch-Based Interfaces and Modeling and Non-Photorealistic Animation and Rendering (Expressive '18)*, ACM, New York, August 2018. doi: <https://dx.doi.org/10.1145/3229147.3229158>
- **Lonni Besançon**, Mehdi Ammi, and Tobias Isenberg. Pressure-Based Gain Factor Control for Mobile 3D Interaction using Locally-Coupled Devices. In *CHI 2017 - ACM CHI Conference on Human Factors in Computing Systems*, pages 1831–1842, ACM, New York, May 2017. doi: <https://dx.doi.org/10.1145/3025453.3025890>
- **Lonni Besançon**, Paul Issartel, Mehdi Ammi, and Tobias Isenberg. Mouse, Tactile, and Tangible Input for 3D Manipulation. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pages 4727–4740, ACM, New York, May 2017. doi: <https://dx.doi.org/10.1145/3025453.3025863>
- Paul Issartel, **Lonni Besançon**, Florimond Guéniat, Tobias Isenberg, and Mehdi Ammi. Preference between allocentric and egocentric 3D manipulation in a locally coupled configuration. In *Proceedings of the 2016 Symposium on Spatial User Interaction (SUI '16)*. ACM, New York, 2016. doi: <https://dx.doi.org/10.1145/2983310.2985750>
- Paul Issartel, **Lonni Besançon**, Tobias Isenberg, and Mehdi Ammi. A tangible volume for portable 3D interaction. In *the 2016 IEEE International Symposium on Mixed and Augmented Reality (ISMAR-Adjunct)*, Merida. 2016. doi: <https://dx.doi.org/10.1109/ISMAR-Adjunct.2016.0079>

Book Chapters.....

- **Lonni Besançon**, Wolfgang Aigner, Magdalena Boucher, Tim Dwyer, Tobias Isenberg. 3D Mobile Data Visualization. Dec. 2021.
- Ricardo Langner, **Lonni Besançon**, Christopher Collins, Tim Dwyer, Petra Isenberg, Tobias Isenberg, Bongshin Lee, Charles Perin, Christian Tominski. An Introduction to Mobile Data Visualization. Dec. 2021.

Juried Venues.....

Entries marked with "***" have been peer-reviewed by external reviewers but the final decision was made through a juried process.

- Deepti Gurdasani, **Lonni Besançon**, Nisreen A. Alwan, Sarah Dean Rasmussen, Trish Greenhalgh, Luke Johnson, Martin McKee, Susan Michie, Kim Prather, Stephen Reicher, Paul Roderick, Hisham Zlauddeen, Zoë Hyde. Pandemic policy must address SARS-CoV-2 transmission in schools, in *The British Medical Journal (BMJ)*.
- **Lonni Besançon** David Steadson Flahault Antoine. Correspondence: Open Schools, Covid-19, and Child and Teacher Morbidity in Sweden. In *New England Journal of Medicine*, March 2021. doi: <https://dx.doi.org/10.1056/NEJMc2101280>
- **Lonni Besançon**, Gideon Meyerowitz-Katz, Emilio Zanetti Chini, Hermann Fuchs, Antoine Flahault. Challenges in determining causality: an ongoing critique of Bendavid et al's "Assessing mandatory stay-at-home and business closure effects on the spread of COVID-19." *European Journal of Clinical Investigation*, 2021. Letter to the Editor. doi: <https://dx.doi.org/10.1111/eci.13599>
- **Lonni Besançon**, Gideon Meyerowitz-Katz, Antoine Flahault. Sample size, timing, and other confounding factors: toward a fair assessment of stay-at-home orders. *European Journal of Clinical Investigation*, 2021. Letter to the Editor. doi: <https://dx.doi.org/10.1111/eci.13518>
- ****Lonni Besançon**, Pierre Dragicevic. The Continued Prevalence of Dichotomous Inferences at CHI. *alt.chi, CHI 2019*, May 4 - 7, 2019, Glasgow, UK. doi: <https://dx.doi.org/10.1145/3290607.3310432>
- **Lonni Besançon**, Matthew Cooper, Anders Ynnerman, Frédéric Vernier. Population overlays on choropleths. In *Journées Visu 2019, Agro Paris Tech*, France, Mai 2019.
- Jouni Helske, Matthew Cooper, Anders Ynnerman, **Lonni Besançon**. The *Significant* Effect of Visual Representations on Dichotomous Thinking. In *Journées Visu 2019, Agro Paris Tech*, France, Mai 2019.
- Xiyao Wang, **Lonni Besançon**, Mehdi Ammi, Tobias Isenberg. Navigation Tactile 3D Augmentee pour Mobiles. In *Journées Visu 2018, EDF Lab, Palaiseau*, France, Mai 2018.
- Tanja Blascheck, **Lonni Besançon**, Anastasia Bezerianos, Bongshin Lee, Petra Isenberg. Perception des visualisations sur smartwatch. In *Journées Visu 2018, EDF Lab, Palaiseau*, France, Mai 2018.

- **Lonni Besançon** and Pierre Dragicevic. The Significant Difference between p-values and Confidence Intervals. In Patrick Girard and Thierry Duval, editors, *29ème conférence francophone sur l'Interaction Homme-Machine*, page 10, Poitiers, France, August 2017. AFIHM. Alt.IHM.
- **Lonni Besançon**, Paul Issartel, Mehdi Ammi, and Tobias Isenberg. Interactive 3D Data Exploration Using Hybrid Tactile/Tangible Input. In *Journées Visu 2017, Rueil-Malmaison*, France, June 2017.

Workshops.....

- **Lonni Besançon**, Anastasia Bezerianos, Pierre Dragicevic, Petra Isenberg, Yvonne Jansen. "Publishing Visualization Studies as Registered Reports: Expected Benefits and Researchers' Attitudes." in *alt.VIS 2021, an IEEE VIS Workshop*. DOI:<https://doi.org/10.31219/osf.io/3z7kx>
- Nick Spyrison, Benjamin Lee, **Lonni Besançon**. "'Is IEEE VIS *that* good?" On key factors in the initial assessment of manuscript and venue quality." in *alt.VIS 2021, an IEEE VIS Workshop*. DOI: <https://doi.org/10.31219/osf.io/65wm7>
- Xiyao Wang, **Lonni Besançon**, Florimond Guéniat, Mickaël Sereno, Mehdi Ammi, Tobias Isenberg. A Vision of Bringing Immersive Visualization to Scientific Workflows. In *Proceedings of the Workshop on Immersive Analytics at CHI 2019*, May 4 - 7, 2019, Glasgow, UK.
- Tanja Blascheck, Anastasia Bezerianos, **Lonni Besançon**, Bongshin Lee, Petra Isenberg. Preparing for Perceptual Studies: Position and Orientation of Wrist-worn Smartwatches for Reading Tasks. In *Proc. Data Visualization on Mobile Devices, ACM CHI*, 2018, Montreal, Canada.

Extended Abstracts.....

- Stéphane Gosset, Mickael Sereno, **Lonni Besançon**, Tobias Isenberg. Tangible Volumetric Brushing in Augmented Reality. Posters of IEEE Visualization, Oct 2020, Salt Lake City, United States. October 2020.
- Mickael Sereno, **Lonni Besançon**, Tobias Isenberg. Supporting Volumetric Data Visualization and Analysis by Combining Augmented Reality Visuals with Multi-Touch Input. In *Eurographics Proceedings Extended Abstracts*, June 2019.
- Mickael Sereno, Mehdi Ammi, Tobias Isenberg, and **Lonni Besançon**. Tangible brush: Performing 3D selection with portable and position-aware devices. In *IEEE VIS Poster Compendium*, October 2016
- Mickael Sereno, Mehdi Ammi, Tobias Isenberg, and **Lonni Besançon**. Hybrid Tactile/Tangible Interaction for 3D Selection. In *29ème conférence francophone sur l'Interaction Homme-Machine*, page 6 , Poitiers, France, August 2017.
- Xiyao Wang, **Lonni Besançon**, Mehdi Ammi, and Tobias Isenberg. Augmenting Tactile 3D Data Exploration With Pressure Sensing. *IEEE VIS 2017*, October 2017. Poster.

Patents.....

- Paul Issartel, Mehdi Ammi, **Lonni Besançon**. [Man/Machine interface with 3D graphics applications](#)

Preprints

- Olivier Pourret, Ksenija Baždarić, **Lonni Besançon**, Jo Havemann, Monica Gonzalez-Marquez, David Hedding, Andrew Hursthouse, Dasapta Erwin Irawan, Paola Masuzzo, Sandersan Onie, Daniel Enrique Ibarra, Joy Owango, Charlotte Wien. Open Access Beyond Article Processing Charges. doi:
- Andrew T Levin, Nana Owusu-Boaitey, Sierra Pugh, Bailey K Fosdick, Anthony B Zwi, Anup Malani, Satej Soman, **Lonni Besançon**, Ilya Kashnitsky, Sachin Ganesh, Aloysius McLaughlin, Gayeong Song, Rine Uhm, Gideon Meyerowitz-Katz. Assessing the Burden of COVID-19 in Developing Countries: Systematic Review, Meta-Analysis, and Public Policy Implications. doi: <https://doi.org/10.1101/2021.09.29.21264325>
- **Lonni Besançon**, Yvonne Jansen, Andy Cockburn, Pierre Dragicevic. Definitely Maybe: Hedges And Boosters in the HCI Literature. DOI: <https://doi.org/10.31219/osf.io/mjg7h>
- Arnaud Prouzeau, **Lonni Besançon**, Joanne Mihelcic. Working from home is the new black: into the private world of remote collaboration in COVID-19 lockdowns. DOI: <https://doi.org/10.31234/osf.io/6cu3t>
- **Lonni Besançon**, Alexander Samuel, Thibault Sana, Mathieu Rebeaud, Anthony Guihur, Marc Robinson-Rechavi, Nicolas Le Berre, Matthieu Mulot, Gideon Meyerowitz-Katz, Brian A Nosek. Open Letter: Scientists stand up to protect academic whistleblowers and post-publication peer review. <https://doi.org/10.31219/osf.io/2awsv>
- Anthony Lanati, Olivier Pourret, Christopher Jackson, **Lonni Besançon**. Research Funding Bodies Need to Follow Scientific Evidence: Preprints Are Here to Stay. <https://doi.org/10.31219/osf.io/k54pe>

Theses

- **Lonni Besançon**. An Interaction Continuum for 3D Dataset Visualization. PhD Thesis, 2018.
- **Lonni Besançon**. Enhancing the semi-autonomous car interface with ambient light. Master Thesis, 2014.