Sylvain Malacria

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Research interest

I am a research scientist (Chargé de Recherche 1ère classe) at Inria, in the Loki group. Prior to that, I was a post-doc at the University College London and at the University of Canterbury (New-Zealand). I did my Ph.D. with Eric Lecolinet at Télécom ParisTech, and passed my Master Graduate at UPMC in Computer Science with a specialty in Artificial Intelligence and HCI.

My interests are in the area of Human-Computer Interaction with additional focus on designing discoverable and learnable interactive systems. In particular, I study how to improve the transition from novice to expert mode with Graphical User Interfaces, especially in the context of command selection. I have also designed, implemented and evaluated several novel interaction techniques that improve expert users performance while navigating large documents on touch sensitive surfaces. Overall, my research is typically stimulated by user interface performance bottlenecks that I then seek to remediate through interface design. Beyond my immediate background in computer science, I draw on various set of skills, including interaction design, experimental psychology and statistical analysis.

Education

Oct 2023	**Habilitation à Diriger des Recherches**
	ED MADIS 631 — Université de Lille
	Title: Why interaction methods should be exposed and recognizable
Jury members:	Wendy Mackay (Inria), Caroline Appert (CNRS), Duncan Brumby (UCL), Mira Dontcheva (Adobe)
	Lionel Seinturier (Univ. of Lille), Emmanuel Dubois (Univ. of Toulouse), Stéphane Huot (Inria)
May 2011	**Ph.D. in Computer Science** (With High Honors)
	EDITE de Paris
	Title: Interaction techniques for touch-screens and digital pens
	Supervisor: Eric Lecolinet

Experiences

nov 2014 –	**Research Scientist (CR CN)**
	Inria, Centre de l'Université de Lille, France
nov 2013 – sep 2014	**Research Assistant**
	UCL/BBC London Media Technology Campus, UCL, London, United Kingdom
	with Dr John Dowell
nov 2011 – oct 2013	**Post doctoral researcher**
	HCI and Multimedia Lab, University of Canterbury, Christchurch, New-Zealand
	with Professor Andy Cockburn (http://www.cosc.canterbury.ac.nz/andrew.cockburn/)
oct 2007 – may 2011	**Ph.D. student**
	Telecom-ParisTech (Paris - France)

Publications

International conference publications

UIST '23   D. Masson, S. Malacria, G. Casiez and D. Vogel.(2023). *Statslator: Interactive Translation of NHST and Estimation Statistics Reporting Styles in Scientific Documents.* Proceedings of the ACM Symposium on User Interface Software and Technology (2023) – PDF – doi

MobileHCI '23   E. Mackamul, G. Casiez and S. Malacria.(2023). *Exploring Visual Signifier Characteristics to Improve the Perception of Affordances of In-Place Touch Inputs.* Proc. ACM Hum.-Comput. Interact, MobileHCI 2023 (AR: 38% (42/110)) – PDF – Talk – doi

MobileHCI '23   V. Lambert, A. Chaffangeon, A. Goguey, S. Malacria and L. Nigay.(2023). *Studying the Visual Representation of Microgestures.* Proc. ACM Hum.-Comput. Interact, MobileHCI 2023 (AR: 38% (42/110)) – PDF – Talk – doi

CHI '23   D. Masson, S. Malacria, G. Casiez and D. Vogel.(2023). *Charagraph: Interactive Generation of Charts for Realtime Annotation of Data-Rich Paragraphs.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2023) (AR: 27% (880/3182)) – PDF – Video – Talk – Web – Code – doi

CHI '23   D. Masson, S. Malacria, D. Vogel, E. Lank and G. Casiez.(2023). *ChartDetective: Easy and Accurate Interactive Data Extraction from Complex Vector Charts.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2023) (AR: 27% (880/3182)) – PDF – Video – Talk – Web – Code – doi

CHI '23   B. Fruchard, S. Malacria, G. Casiez and S. Huot.(2023). *User Preference and Performance using Tagging and Browsing for Image Labeling.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2023) (AR: 27% (880/3182)) – PDF – Video – Talk – doi

GI '23   Y. Chen, G. Casiez, S. Malacria and E. Lank.(2023). *Exploring the Effects of Intended Use on Targeting in Virtual Reality.* Proceedings of the Graphics Interface 2023 Conference (2023) (AR: 46% (14/30))

TOCHI' 22   K. Fennedy, A. Srivastava, S. Malacria and S. Perrault.(2022). *Towards a Unified and Efficient Command Selection Mechanism for Touch-Based Devices Using Soft Keyboard Hotkeys.* ACM Transactions on Computer-Human Interaction (2022) – PDF – doi

Handbook   G. Bailly and S. Malacria.(2022). *Command Selection.* Handbook of Human Computer Interaction – doi

UIST '21   R. Hanada, D. Masson, G. Casiez, M. Nancel and S. Malacria.(2021). *Relevance and Applicability of Hardware-independent Pointing Transfer Functions.* Proceedings of the ACM Symposium on User Interface Software and Technology (2021) (AR: 26% (95/367)) – PDF – Video – Talk – exe – Code – doi

CHI '21   A. Antoine, S. Malacria, N. Marquardt and G. Casiez.(2021). *Interaction Illustration Taxonomy: Classification of Styles and Techniques for Visually Representing Interaction Scenarios.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2021) (AR: 26%) – PDF – Talk – Code – doi

UIST '20   P. Schmid, S. Malacria, A. Cockburn and M. Nancel.(2020). *Interaction Interferences: Implications of Last-Instant System State Changes.* Proceedings of the ACM Symposium on User Interface Software and Technology (2020) (AR: 21.5%) – PDF – Video – Talk – doi

MobileHCI '20   K. Fennedy, S. Malacria, H. Lee and S. Perrault.(2020). *Investigating Performance and Usage of Input Methods for Soft Keyboard Hotkeys.* Proceedings of the ACM Conference on Human-Computer Interaction with Mobile Devices and Services (2020) (AR: 24% (39/161)) – PDF – Talk – doi

DIS '20   J. Alvina, A. Bunt, P. Chilana, S. Malacria and J. McGrenere.(2020). *Where is that Feature? Designing for Cross-Device Software Learnability.* Proceedings of the ACM Conference on Designing Interactive Systems (2020) (AR: 24% (139/578)) – PDF – Talk – doi

CHI '20   J. Henderson, S. Malacria, M. Nancel and E. Lank.(2020). *Investigating the Necessity of Delay in Marking Menu Invocation.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2020) (AR: 24%) – PDF – Video – Talk – doi

CHI '20   D. Masson, S. Malacria, E. Lank and G. Casiez.(2020). *Chameleon: Bringing Interactivity to Static Digital Documents.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2020) (AR: 24%) – PDF – Video – Talk – Web – Code – doi

ISS '19   N. Pong and S. Malacria.(2019). *Awareness, Usage and Discovery of Swipe-Revealed Hidden Widgets in IOS.* Proceedings of the ACM Conference on Interactive Surfaces and Spaces (ISS 2019) (AR: AR: 30% (26/85)) – PDF – Talk – doi

Interact '19   A. Antoine, S. Malacria, N. Marquardt and G. Casiez.(2019). *Esquisse: Using 3D Models Staging to Facilitate the Creation of Vector-Based Trace Figures.* Proceedings of the IFIP Conference on Human-Computer Interaction (Interact 2019) (AR: 29%) – PDF – Video – Code – doi

CHI '18   A. Goguey, S. Malacria and C. Gutwin.(2018). *Improving Discoverability and Expert Performance in Force-Sensitive Text Selection for Touch Devices with Mode Gauges.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2018) (AR: 25%) – PDF – Video – doi

CHI '18   J. Avery, S. Malacria, M. Nancel, G. Casiez and E. Lank.(2018). *Introducing Transient Gestures to Improve Pan and Zoom on Touch Surfaces.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2018) (AR: 25%) – PDF – Video – Talk – doi

CHI '18   A. Antoine, S. Malacria and G. Casiez.(2018). *Using High Frequency Accelerometer and Mouse to Compensate for End-to-End Latency in Indirect Interaction.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2018) (AR: 25%) – PDF – Video – Talk – doi

CHI '18   S. Siddhpuria, S. Malacria, M. Nancel and E. Lank.(2018). *Pointing at a Distance with Everyday Smart Devices.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2018) (AR: 25%) – PDF – Video – doi

UIST '17   D. Masson, A. Goguey, S. Malacria and G. Casiez.(2017). *WhichFingers: Identifying Fingers on Touch Surfaces and Keyboards Using Vibration Sensors.* Proceedings of the ACM Symposium on User Interface Software and Technology (2017) (AR: 22%) – PDF – Video – Web – doi

CHI '17   E. Giannisakis, G. Bailly, S. Malacria and F. Chevalier.(2017). *IconHK: Using Toolbar Button Icons to Communicate Keyboard Shortcuts.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2017) (AR: 25%) – PDF – Video – doi

CHI '17   A. Antoine, S. Malacria and G. Casiez.(2017). *ForceEdge: Controlling Autoscroll on Both Desktop and Mobile Computers Using the Force.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2017) (AR: 25%) – PDF – Video – doi

IJHCS '17   J. Aceituno, S. Malacria, P. Quinn, N. Roussel, A. Cockburn and G. Casiez.(2017). *The design, use, and performance of edge-scrolling techniques.* International Journal of Human-Computer Studies – PDF – doi

CHI '16   G. Bailly, S. Sahdev, S. Malacria and T. Pietrzak.(2016). *LivingDesktop: Augmenting Desktop Workstation with Actuated Devices.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2016) (AR: 23%) – PDF – Video – doi

MobileHCI '15   M. Constantinides, J. Dowell, D. Johnson and S. Malacria.(2015). *Exploring Mobile News Reading Interactions for News App Personalisation.* Proceedings of the ACM Conference on Human-Computer Interaction with Mobile Devices and Services (2015) (AR: 27%) – PDF – Video – doi

CHI '15   S. Malacria, J. Aceituno, P. Quinn, G. Casiez, A. Cockburn and N. Roussel.(2015). *Push-Edge and Slide-Edge: Scrolling by Pushing Against the Viewport Edge.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2015) (AR: 23%) – PDF – Video – doi

PUC '15   J. Dowell, S. Malacria, H. Kim and E. Anstead.(2015). *Companion apps for information-rich television programmes: representation and interaction.* Personal and Ubiquitous Computing – PDF – doi

CHI '14   C. Gutwin, A. Cockburn, J. Scarr, S. Malacria and S. Olson.(2014). *Faster Command Selection on Tablets with FastTap.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2014) (AR: 23%) – PDF – Video – doi

CSUR '15   A. Cockburn, C. Gutwin, J. Scarr and S. Malacria.(2014). *Supporting Novice to Expert Transitions in User Interfaces.* ACM Compututing Surveys 2015 – PDF – doi

UIST '13   P. Quinn, S. Malacria and A. Cockburn.(2013). *Touch Scrolling Transfer Functions.* Proceedings of the ACM Symposium on User Interface Software and Technology (2013) (AR: 20%) – PDF – Video – Web – doi

UIST '13 S. Malacria, J. Scarr, A. Cockburn, C. Gutwin and T. Grossman.(2013). *Skillometers: Reflective Widgets That Motivate and Help Users to Improve Performance.* Proceedings of the ACM Symposium on User Interface Software and Technology (2013) (AR: 20%) – PDF – Video – doi

CHI '13 J. Scarr, A. Cockburn, C. Gutwin and S. Malacria.(2013). *Testing the Robustness and Performance of Spatially Consistent Interfaces.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2013) (AR: 20%) – PDF – Video – doi

CHI '13 Q. Roy, S. Malacria, Y. Guiard, E. Lecolinet and J. Eagan.(2013). *Augmented Letters: Mnemonic Gesture-Based Shortcuts.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2013) (AR: 20%) – PDF – Video – doi

CHI '13 S. Malacria, G. Bailly, J. Harrison, A. Cockburn and C. Gutwin.(2013). *Promoting Hotkey Use through Rehearsal with ExposeHK.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2013) (AR: 20%) – PDF – Video – doi

AVI '12 T. Pietrzak, S. Malacria and E. Lecolinet.(2012). *S-Notebook: Augmenting Mobile Devices with Interactive Paper for Data Management.* Proceedings of the Conference on Advanced Visual Interfaces (2012) (AR: 28%) – PDF – doi

INTERACT '11 S. Malacria, T. Pietrzak, A. Tabard and E. Lecolinet.(2011). *U-Note: Capture the Class and Access It Everywhere.* Proceedings of the IFIP Conference on Human-Computer Interaction (2011) (AR: 27%) – PDF – doi

CHI '10 S. Malacria, E. Lecolinet and Y. Guiard.(2010). *Clutch-Free Panning and Integrated Pan-Zoom Control on Touch-Sensitive Surfaces: The Cyclostar Approach.* Proceedings of the ACM Conference on Human Factors in Computing Systems (2010) (AR: 22%) – PDF – Video – doi

International juried publications

CHI EA '23 B. Fruchard, C. Avezou, S. Malacria, G. Casiez and S. Huot.(2023). *A Case Study on the Design and Use of an Annotation and Analytical Tool Tailored To Lead Climbing.* Extended Abstracts of the 2023 HCI Conference on Human Factors in Computing Systems (Case Study) (AR: 30% (37/124)) – PDF – Video – Talk – doi

CHI EA '20 D. Masson, S. Malacria, E. Lank and G. Casiez.(2020). *Bringing Interactivity to Research Papers and Presentations with Chameleon.* Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (Interactivity) – PDF – Video – Web – Code – doi

CHI EA '18 A. Antoine, S. Malacria and G. Casiez.(2018). *TurboMouse: End-to-End Latency Compensation in Indirect Interaction.* Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems (Interactivity) – PDF – Video – doi

CHI EA '16 C. Frisson, S. Malacria, G. Bailly and T. Dutoit.(2016). *InspectorWidget: A System to Analyze Users Behaviors in Their Applications.* Extended Abstracts of the 2016 CHI Conference on Human Factors in Computing Systems (Late Breaking Work) – PDF – Code – doi

MobileHCI EA '15 M. Constantinides, J. Dowell, D. Johnson and S. Malacria.(2015). *Habito News: A Research Tool to Investigate Mobile News Reading.* Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct – doi

CHI EA '12 S. Perrault, S. Malacria, Y. Guiard and E. Lecolinet.(2012). *Watchit: Simple Gestures for Interacting with a Watchstrap.* Extended Abstracts of the 2012 CHI Conference on Human Factors in Computing Systems (Video) – PDF – Video – doi

CHI EA '11 M. Baglioni, S. Malacria, E. Lecolinet and Y. Guiard.(2011). *Flick-and-Brake: Finger Control over Inertial/Sustained Scroll Motion.* Extended Abstracts of the 2011 CHI Conference on Human Factors in Computing Systems (Late Breaking Work) – PDF – Video – doi

Workshop publications

ETIS '17 T. Pietrzak, G. Bailly and S. Malacria.(2017). *Actuated Peripherals as Tangibles in Desktop Interaction.* Proceedings of the European Tangible Interaction Studio (ETIS 2017) – PDF

WSICC '14	J. Dowell, S. Malacria and S. O'Halpin.(2014). *Concept mapping second screens to augment understanding of science on television.* 2nd International Workshop on Interactive Content Consumption at TVX'14 – PDF
Papercomp '10	T. Pietrzak, S. Malacria and E. Lecolinet.(2010). *What do U-Note? An Augmented Note Taking System for the Classroom.* Adjunct Proceedings of Ubicomp 2010, Papercomp Workshop – PDF

Domestic publications

IHM EA '23	G. Casiez, S. Malacria and E. Mackamul.(2023). *Signifidgets : What you see is what widget !.* Adjunct Proceedings of the Conference on Interaction Humain-Machine (2023) – PDF
IHM EA '23	B. Fruchard, S. Malacria, G. Casiez and S. Huot.(2023). *Démonstration d'un outil d'annotation et d'analyse de vidéos d'escalade de difficulté.* Adjunct Proceedings of the Conference on Interaction Humain-Machine (2023)
IHM '22	A. Goguey, S. Malacria, D. Vogel and G. Casiez.(2022). *Étude de l'influence de la taille des sphères virtuelles de contrôle sur les rotations 3D.* Proceedings of the Conference on Interaction Humain-Machine (2022) (AR: 59%) – PDF – doi
IHM '19	A. Goguey, S. Malacria, A. Cockburn and C. Gutwin.(2019). *Reducing Error Aversion to Support Novice-to-Expert Transitions with FastTap.* Proceedings of the Conference on Interaction Humain-Machine (2019) (AR: 48%) – PDF – Talk – doi
IHM '16	S. Malacria, A. Goguey, G. Bailly and G. Casiez.(2016). *Multi-Touch Trackpads in the Wild.* Proceedings of the Conference on Interaction Humain-Machine (2016) – PDF – Video – doi
IHM EA '16	A. Antoine, S. Malacria and G. Casiez.(2016). *Controlling Autoscroll on Trackpads Using the Force.* Adjunct Proceedings of the Conference on Interaction Humain-Machine (2016) – PDF – doi
IHM '15	M. Berthellemy, E. Cayez, M. Ajem, G. Bailly, S. Malacria and E. Lecolinet.(2015). *SpotPad, LociPad, ChordPad and InOutPad: Investigating Gesture-Based Input on Touchpad.* Proceedings of the Conference on Interaction Humain-Machine (2015) (AR: 50%) – PDF – doi
IHM '14	T. Pietrzak, S. Malacria and G. Bailly.(2014). *CtrlMouse et TouchCtrl: Duplicating Mode Delimiters on the Mouse.* Proceedings of the Conference on Interaction Humain-Machine (2014) (AR: 56%) – PDF – doi
IHM '13	G. Bailly and S. Malacria.(2013). *MenuInspector: Outil Pour l'analyse Des Menus et Cas d'étude.* Proceedings of the Conference on Interaction Humain-Machine (2013) (AR: 38%) – PDF – Web – doi
IHM '09	S. Malacria and E. Lecolinet.(2009). *U-Note: Classe Augmentée et Stylo Numérique.* Proceedings of the Conference on Interaction Humain-Machine (2009) (AR: 35%) – PDF – doi
IHM '08	S. Malacria and E. Lecolinet.(2008). *Espace de Caractérisation Du Stylo Numérique.* Proceedings of the Conference on Interaction Humain-Machine (2008) (AR: 44%) – PDF – doi

Talks

- I presented (or will present) all the articles marked with an * .
- *Recognition or recall? The case of expert features in GUIs*, March 4th 2020, Chatham Labs, Toronto, Canada.
- *Recognition or recall? The case of expert features in GUIs*, March 2nd 2020, University of Waterloo, Waterloo, Canada.
- *Recognition or recall? The case of expert features in GUIs*, February 27th 2020, University of Toronto, Toronto, Canada.
- *Advanced interaction techniques to favor the transition from novice to expert behavior*, October 1st 2017, 1st International Symposium on User Expertise and Interactive Systems, Paris, France.
- *Opportunities and limits of Adaptive User Interfaces*, June 27-28 2016, Technology and Routines workshop, Bavarian Academy of Sciences and Humanities, Munich, Germany.
- *Computing tools to empower users*, November 19 2015, UCLIC seminar, University College London, United Kingdom.

- *Improving user's expertise with user interfaces* at SIGCHI Paris, February 7 2014, Laboratoire de Recherche en Informatique, France.
- *Improving user's intermodal expertise*, July 9 2013, UCL/BBC London Media Technology Campus, United Kingdom.
- *The design and evaluation of mechanisms promoting hotkey use*, April 19 2014, Inria Bordeaux, France
- *The design and evaluation of mechanisms promoting hotkey use*, April 25 2014, Max Planck Institute for Informatics, Germany.
- ACM SigCHI Paris "Interfaces de demain" showcase, July 7 2011, Paris.
- Bell-labs open days, May 11-13 2011, Villarceaux.
- Paris Region Innovation Tour 2008, 19th of November 2008, Cité des Sciences et de l'Industrie, Paris.

Research activities

Rewieving

I frequently serve as a reviewer for the main HCI conferences, especially:

- ACM Symposium on User interface software and technology (UIST).
- ACM Conference on Human Factors in Computing Systems (CHI).
- ACM Conference on Interactive Surfaces and Spaces (ISS).
- ACM Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI).
- IFIP TC13 Conference on Human-Computer Interaction (INTERACT).
- The interdisciplinary journal of Human-Computer Interaction (Interacting With Computers).
- ACM Conférence francophone sur l'Interaction Homme-Machine (IHM).

Volunteering

- Program Commitee Member for the CHI 2021 conference (Engineering Interactive Systems and Technologies subcommitte).
- Member of the ACM ISS Editorial Board
- Program Commitee Member for the ISS 2019 conference.
- Interactivity co-chair for CHI 2021 alongside Pedro Lopes and Yuta Sugiura.
- Demonstration co-chair for ISS 2020 alongside Christian Holz.
- Interactivity co-chair for CHI 2020 alongside Ian Oakley and Walter Lasecki.
- Program Commitee Member for the ISS 2019 conference.
- Program Commitee Member for CHI 2017 and CHI 2018 (Interaction Techniques and Devices, and Modalities subcommitte).
- Program Commitee Member for the Mobile HCI 2016 conference.
- Program Commitee Member for the French-speaking HCI conference (IHM 2014, 2015).
- Program Commitee Member for Workshops for CHI 2014, CHI 2015 conferences.
- Program Commitee Member for the Fifteenth Australasian User Interface Conference (AUIC 2014).
- UCLIC PhD showcase session chair (2014).
- Weekly meetings management in the HCI Lab of the University of Canterbury(2012-2013).
- ACM SigCHI Paris "Interfaces de demain" showcase, July 7 2011, Paris.

Teaching

Ongoing

Title	Location	Years	Total Volume
Gestural Interaction	IMT Lille Douai	2017-	3h lectures 4h guided classes
Advanced HCI	University of Lille	2017-	6h lectures 6h guided classes
HCI	University of Lille	2014-	24h lectures 24 to 48h guided classes
Introduction to HCI	University of Lille	2020-	4.5h lectures

Past

Title	Location	Years	Total Volume
Participatory Design	Institut Villebon	2015-2018	17h lectures 34h guided classes
Interfaces & Interactivity	University College London	2013-2014	8h lectures 10h guided classes
Introduction to HCI	University of Canterbury	2011-2012	3h lectures
Programming paradigms	Telecom-ParisTech	2007-2010	50h guided classes
Java programming	Telecom-ParisTech	2007-2010	50h practical classes 14h guided classes 2h30 lectures
Introduction to HCI	Univ. Paris 6	2008-2009	3h lectures
Java Group projects	Telecom-ParisTech	2007-2009	50h guided classes
Micro-project	Telecom-ParisTech	2007-2008	12h guided classes

Supervision

PhD Supervisions

- 2023- Suliac Lavenant — Leveraging vibrotactile information for microgestural interaction (co-supervisors Laurence Nigay, Alix Goguey, Thomas Pietrzak) — Defense expected in 2026
- 2022- Vincent Lambert — Communicating microgestural interaction (co-supervisors Laurence Nigay, Alix Goguey) — Defense expected in 2025
- 2022- Raphaël Perraud — Towards better software learning — Defense expected in 2025
- 2020- Constant Yuan Chen (co-supervisors Géry Casiez and Dan Vogel) — Interaction in Spatially Augmented Reality — Defense expected in 2024
- 2020-2023 Eva Mackamul (co-supervisor Géry Casiez) — Investigating the Influence of Visual Signifiers to Foster the Discovery of Touch-Based Interactions — Defended in December 2023
- 2019-2023 Damien Masson (co-supervisors Géry Casiez, Edward Lank and Dan Vogel) — Transforming the reading experience of scientific documents with polymorphism — Defended in August 2023
- 2017-2020 Axel Antoine (Director Géry Casiez) — Études des stratégies et conception d'outils pour la production de supports illustratifs d'interaction — Defender January 2021
- 2016-2020 Nicole Pong (Co-directors Stéphane Huot and Nicolas Roussel) — Interacting with Signifier-less Designs: the Case of Swhidgets — Defended October 2020

Other Supervisions

- 2022-2023 Supervising Bruno Fruchard Post-Doc (co-supervisors Géry Casiez and Stéphane Huot)
- 2018-2020 Supervising Raiza Sarkis Hanada Post-Doc (co-supervisors Géry Casiez and Mathieu Nancel)
- 2019 Co-supervisor with Thomas Pietrzak and Géry Casiez of Pierrick Uro undergraduate summer internship (University of Lille)
- 2019 Co-supervisor with Mathieu Nancel of Philippe Schmid Master 2 internship (University of Lille)
- 2016-2017 Co-supervisor with Géry Casiez of Axel Antoine Master 1 and 2 summer internships (University of Lille)
- 2017-2018 Co-supervisor with Géry Casiez of Damien Masson Master 1 and Master 2 projects (University of Lille)
- 2016 Co-supervisor with Géry Casiez and Alix Goguey of Damien Masson undergraduate summer internship (University of Lille)
- 2016 Co-supervisor with Géry Casiez of Axel Antoine and Sofiane Rahahoui Master 1 projects (University of Lille)
- 2014 Supervisor of Hana Kim master student project. (University College London)
- 2012 Co-supervisor with Professor Cockburn of Joel Harrison honors project. (University of Canterbury)