

Fanny Chevalier

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FRANCE

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CURRENT POSITION

Since Nov. 2013 **Research Scientist (CR1), Inria Lille Europe** *Team Project Mjolnir*
Since Aug. 2015 **Status-only Assistant Professor at the Department of Computer Science, University of Toronto**

WORKING EXPERIENCE

January 2012 - **Postdoctoral Fellow, DGP lab, Department of Computer Science, University of Toronto**
October 2013 *Interactive visual interfaces, Interaction techniques*
Advisors: Pr. Ravin Balakrishnan and Pr. Karan Singh

January 2010 - **Postdoctoral Fellow, Ontario College of Art and Design University**
October 2013 *Information Visualization, User and data-driven design, Text mining*
Advisor: Dr. Sara Diamond

September 2011 - **Lecturer, Digital Futures Initiative, OCAD University**
December 2011 *Courses: Data visualization, Digital Sketching*
DFI graduate program

January 2008 - **Postdoctoral Fellow, Microsoft-INRIA Joint Center**
December 2009 *Interactive visual Interfaces, Information Visualization and Human-Computer Interaction techniques*
Research project-team Aviz (Visual Analytics Project)
Advisor: Pr. Jean-Daniel Fekete

September 2007 - **Attaché Temporaire d'Enseignement et de Recherche (equivalent to Teaching Assistant),**
December 2007 **University Institutes for Technology, Université Bordeaux 1**
Visualization of temporal data
Research project-team Gravit  (Graph Visualization, Graph Mining, Information Visualization)
Advisor: Pr. Maylis Delest

Teaching: Computer Graphics, Databases, Programming, Graph theory
Department of Computer Science

EDUCATION

2004-2007 **Ph.D. in Computer Science, Universit  Bordeaux 1**
Recognition of Quasi-Similar Patterns in Graphs: Heuristic and Applications
INRIA Bordeaux (research project-team Gravit )
Advisors: Pr. Maylis Delest and Pr. Jean-Philippe Domenger

2003-2004 **DEA (equivalent to a M.Sc.) in Computer Science (Multimedia), Universit  Bordeaux 1**
Object Recognition in very Low-resolution Video
Internship at LaBRI (Laboratoire Bordelais de Recherche en Informatique)
Advisor: Pr. Jenny Benois-Pineau

Book Chapter

- [B1] D. Reilly, [F. Chevalier](#) and D. Freeman. Blending Art Events and HCI Research. *Interactive Experience in the Digital Age*. Springer International Publishing. pp 153-168. 2014.

Refereed Papers in International Journals

- [J10-C30] J. Zhao, M. Glueck, S. Breslav, [F. Chevalier](#) and A. Khan (2016) Annotation Graphs: A Graph-Based Visualization for Meta-Analysis of Data based on User-Authored Annotations. *IEEE Transactions on Visualization and Computer Graphics (TVCG / Proc. of VAST '16)*. To appear.
- [J10-C29] M. Glueck, A. Gvozdk, [F. Chevalier](#), A. Khan, M. Brudno and D. Wigdor (2016) PhenoStacks: Cross-Sectional Cohort Phenotype Comparison Visualizations. *IEEE Transactions on Visualization and Computer Graphics (TVCG / Proc. of VAST '16)*. To appear.
- [J9-C23] M. Glueck, P. Hamilton, [F. Chevalier](#), S. Breslav, A. Khan, D. Wigdor and M. Brudno (2015) PhenoBlocks: Phenotype Comparison Visualizations. *IEEE Transactions on Visualization and Computer Graphics (TVCG / Proc. of VAST '15)*. Volume 21, Issue 1. pages 101-110.
- [J8-C22*] [F. Chevalier](#), P. Dragicevic and S. Franconeri. The Not-so-Staggering Effect of Staggered Animations on Visual Tracking *In IEEE Transactions on Visualization & Computer Graphics (Proc. InfoVis 2014 / TVCG)*. 2014
- [J7-C17*] [F. Chevalier](#), R. Vuillemot and G. Gali. Using Concrete Scales: A Framework for Visual Depiction of Complex Measures. *In IEEE Transactions on Visualization & Computer Graphics (Proc. InfoVis 2013 / TVCG)*, 19(12):2426-2435. 2013
[Acceptance rate : 25% (38/152)]
- [J6-C16] J. Zhao, C. Collins, [F. Chevalier](#), C. Collins and R. Balakrishnan. Interactive Exploration of Implicit and Explicit Relations in Faceted Dataset. *In IEEE Transactions on Visualization & Computer Graphics (Proc. VAST 2013 / TVCG)*, 19(12):2080-2089. 2013
[Acceptance rate : 26% (32/125)]
- [J5-C12] J. Zhao, [F. Chevalier](#), C. Collins and R. Balakrishnan. Facilitating Discourse Analysis with Interactive Visualization *In IEEE Transactions on Visualization & Computer Graphics (Proc. InfoVis 2012 / TVCG)*, 18(2):2639-2648. 2012
[Acceptance rate : 24% (44/178)]
- [J4-C8] J. Zhao, [F. Chevalier](#), E. Pietriga and R. Balakrishnan. Exploratory Analysis of Time-series with ChronoLenses *In IEEE Transactions on Visualization & Computer Graphics (Proc. InfoVis 2011 / TVCG)*, 17(12):2422-2431. 2011
[Acceptance rate : 26% (44/172)]
- [J3-C5*] A. Bezerianos, [F. Chevalier](#), P. Dragicevic, N. Elmqvist and J.D. Fekete. GraphDice: A System for Exploring Multivariate Social Networks *In Computer Graphics Forum (Proc. EuroVis 2010)*, 29(3):863-872. 2010
[Acceptance rate : 29% (48/164)]
- [J2] [F. Chevalier](#), M. Delest and J.P. Domenger. A heuristic for the retrieval of objects in video in the framework of the rough indexing paradigm *Signal Processing: Image Communication*, 22:622-634. 2007
- [J1] [F. Chevalier](#), J.P. Domenger, J. Benois-Pineau and M. Delest. Retrieval of objects in video by similarity based on graph matching *Pattern Recognition Letter*, 28(8):939-949. Jun 2007

Refereed Full-Length Papers in International Conference Proceedings

- [C28] R. Henrikson, B. De Araujo, [F. Chevalier](#), K. Singh and R. Balakrishnan. Multi-device Storyboards for Cinematic Narratives in VR, in *Proceedings of the ACM symposium on User Interface Software and Technology (UIST'16)*, to appear. 2016

- [C27] J. Zhao, M. Glueck, F. Chevalier, Y. Wu and A. Khan. Egocentric Analysis of Dynamic Networks with EgoLines, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI'16)*, pp 5003-5014. 2016
Best paper nominee (honorable mention)
- [C26] N. Banovic, T. Buzali, F. Chevalier, J. Mankoff and A. K. Dey. Modeling and Understanding Human Routine Behavior, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI'16)*, pp 248-260. 2016
Best paper nominee (honorable mention)
- [C25] R. Henrikson, B. De Araujo, F. Chevalier, K. Singh and R. Balakrishnan. Storeoboard: Sketching Stereoscopic Storyboards, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI'16)*, pp 4587-4598. 2016
- [C24] F. Chevalier, N. Henry Riche, C. Plaisant, A. Chalbi and C. Hurter. Animation 25 Years Later, in *Proceedings of the International Conference on Advanced Visual Interfaces (AVI'16)*, pp 280-287. 2016
- [C21] R. Kazi, F. Chevalier, T. Grossman and G. Fitzmaurice. Kitty: Sketching Dynamic and Interactive Drawings, in *Proceedings of the ACM symposium on User Interface Software and Technology (UIST'14)*, pp 395-405. 2014
- [C20] R. Kazi, F. Chevalier, T. Grossman, S. Zhao and G. Fitzmaurice. DRACO: Bringing Life to Illustrations with Kinetic Textures, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI'14)*, pp 351-360. 2014
Best paper nominee (honorable mention)
- [C19] D. Freeman, S. Santosa, F. Chevalier, R. Balakrishnan and K. Singh. LACES: Live Authoring Through Compositing and Editing of Video Stream, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI'14)*, pp 1207-1216. 2014
- [C18] B. Arunachalan, S. Diamond, S. Szigeti, D. Reilly, F. Chevalier, A. Stevenz, B. Talaie and M. Ghaderi. Designing Portable Solutions to Support Collaborative Workflow in Long-Term Care: a Five Point Strategy, in *Proceedings of the IEEE International Conference on Computer Supported Cooperative Work in Design (CSCWD'14)*, to appear. 2014
- [C15] S. Santosa, F. Chevalier, R. Balakrishnan and K. Singh. Direct Space-Time Trajectory Control for Visual Media Editing, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI'13)*, pp. 1149-1158. 2013
Best paper nominee (honorable mention) [Acceptance rate : 20% (392/1963)]
- [C14] D. Freeman, F. Chevalier, N. Lapierre and D. Reilly. A Study of Whole-Body Interaction During a Public Art Event, in *Proceedings of the ACM Creativity & Cognition (C&C '13)*, pp. 224-233. 2012
[Acceptance rate : 32% (28/88)]
- [C13*] F. Chevalier, P. Dragicevic and C. Hurter. Histomages: Fully Synchronized Views for Image Editing, in *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST '12)*, pp. 281-286. 2012
[Acceptance rate : 22% (62/288)]
- [C11] N. Banovic, F. Chevalier, T. Grossman and G. Fitzmaurice. Triggering Triggers and Burying Barriers to Customizing Softwares, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI '12)*, pp. 2717-2726. 2012
[Acceptance rate : 23% (370/1577)]
- [C10] S. Zhao, F. Chevalier, W.T. Ooi, C.Y. Lee and A. Agrawala. AutoComPaste: Auto-Completing Text as an Alternative to Copy-Paste, in *Proceedings of the International Conference on Advanced Visual Interfaces (AVI '12)*, pp. 365-372. 2012
- [C9*] P. Dragicevic, S. Huot and F. Chevalier. Glimpse: Animating from Markup Code to Rendered Documents and Vice-Versa, in *Proceedings of the ACM Symposium on User Interface Software and Technology (UIST '11)*, pp. 257-262. 2011
[Acceptance rate : 25%]
- [C7] J. Zhao, F. Chevalier and R. Balakrishnan. KronoMiner: Using Multi-Foci Navigation for the Visual Exploration of Time-Series Data, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI '11)*, pp. 1737-1746. 2011
[Acceptance rate : 26% (400/1540)]
- [C6] N. Boukelifa, F. Chevalier and J.D. Fekete. Real-time Aggregation of Wikipedia Data for Visual Analytics, in *Proceedings of the IEEE Symposium on Visual Analytics Science and Technology (VAST)*, pp. 147-154. 2010
[Acceptance rate : 22% (26/94)]

- [C5] N. Riche, B. Lee and F. Chevalier. iChase: Supporting Exploration and Awareness of Editing Activities on Wikipedia, in *Proceedings of the International Conference on Advanced Visual Interfaces (AVI '10)*, pp.59-66. 2010
[Acceptance rate : 20% (27/133)]
- [C4*] F. Chevalier, P. Dragicevic, A. Bezerianos and J.D. Fekete. Using Text Animated Transitions to Support Navigation in Document Histories, in *Proc. SIGCHI conference on Human Factors in computing systems (CHI '10)*, pp. 683-692. 2010
[Acceptance rate : 22% (302/1346)]
- [C3*] F. Chevalier, S. Huot and J.D. Fekete. WikipediaViz: Conveying Article Quality for Casual Wikipedia Readers, in *Proceedings of the IEEE Pacific Visualization Symposium (PacificVis)*, pp. 215-222. 2010
[Acceptance rate : 31%]
- [C2*] F. Chevalier, S. Huot and J.D. Fekete. Visualisations de mesures agrégées pour l'estimation de la qualité des articles Wikipedia, in *Actes de la Conférence Internationale Francophone en Extraction et Gestion des Connaissances (EGC)*, pp. 351-362. 2010
[Acceptance rate : 23%]
- [C1*] T. Moscovich, F. Chevalier, N. Henry, E. Pietriga and J.D. Fekete. Topology-Aware Navigation in Large Networks, in *Proceedings of the SIGCHI conference on Human Factors in computing systems (CHI '09)*, pp. 2319-2328. 2009
[Acceptance rate : 24% (277/1130)]

Refereed Short-Length Papers, Technical Notes, Posters in International Conference Proceedings

- [S14] T. Grossman, F. Chevalier, R. Kazi. Your Paper is Dead! Bringing Life to Research Articles with Animated Figures, in *ACM Proceedings of the SIGCHI conference Extended Abstracts on Human Factors in Computing Systems (alt.CHI '15)*, pages 461-470. 2015
- [S13] A. Goguy, F. Chevalier, T. Pietrzak, N. Roussel, G. Casiez and D. Vogel. A Three-Step Interaction Pattern for Improving Discoverability in Finger Identification Techniques, in *Extended Abstracts of the ACM Symposium on User Interface Software and Technology (UIST EA '14)*, pp 33-34. 2014
- [S12] P. Dragicevic, F. Chevalier, and S. Huot. Running an HCI Experiment in Multiple Parallel Universes, in *ACM Proceedings of the SIGCHI conference Extended Abstracts on Human Factors in Computing Systems (alt.CHI '14)*, pp 607-618. 2014
- [S11] R. Kazi, F. Chevalier, T. Grossman, S. Zhao and G. Fitzmaurice. DRACO: Sketching Animated Drawings With Kinetic Textures, in *SIGGRAPH '14 Studio Installation*. 2014
- [S10] R. Kazi, F. Chevalier, T. Grossman, S. Zhao and G. Fitzmaurice. DRACO: Bringing Life to Illustrations, in *ACM Proceedings of the SIGCHI conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '14)*, pp 579-582. 2014 **Golden Mouse Award**.
- [S9] R. Kazi, F. Chevalier, T. Grossman, S. Zhao and G. Fitzmaurice. DRACO: Living Illustrations, in *ACM Proceedings of the SIGCHI conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '14)*, pp 171-172. 2014
- [S8] S. Sziget, A. Stevens, R. Tu, A. Jofre, A. Gebhardt, F. Chevalier, J. Lee and S. Diamond. Output to Input: Concepts for Physical Data Representations and Tactile User Interfaces, in *ACM Proceedings of the SIGCHI conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '14)*, pp 1813-1818. 2014
- [S7] S. Oliver, G. Gali, F. Chevalier and S. Diamond. Discursive Navigation of Online News, in *ACM Proceedings of the Designing Interactive Systems Conference (DIS '12)*, pp. 82-85. 2012
[Acceptance rate : 20% (90/449)]
- [S6] G. Gali, S. Oliver, S. Diamond and F. Chevalier. Visualizing Sentiments in Business-Customer Relations with Metaphors, in *ACM Proceedings of the SIGCHI conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '12)*, pp. 1493-1498. 2012
- [S5] D. Freeman, F. Chevalier, E. Westcott, K. Duffield, K. Hartman and D. Reilly. Tweetris: Play with me, in *Proc. of International Conf. on Tangible, Embedded and Embodied Interaction - Art Exploration (TEI '12)*, pp. 319-320. 2012

- [S4*] F. Chevalier and S. Diamond. The Use of Real Data in Fine Arts for Insight and Discovery: Case Studies in Text Analysis, in *IEEE VisWeek 2010 Discovery Exhibition (VisWeek)*. 2010
- [S3*] F. Chevalier, M. Delest and J.P. Domenger. Recherche de motifs quasi-similaires dans des graphes, in *Actes de la Conférence Internationale Francophone en Extraction et Gestion des Connaissances (EGC)*, pp. 1-14. 2008
- [S2] F. Chevalier, D. Auber and A. Telea. Structural Analysis and Visualization of C++ Code Evolution using Syntax Trees, in *Proceedings of the International Workshop on Principles of Software Evolution (IWPSE '07)*, pp. 90-97. 2007
[Acceptance rate : 23%]
- [S1] F. Chevalier, M. Delest and J.P. Domenger. A heuristic for the retrieval of objects in low resolution video, in *Proceedings of International Workshop on Content-Based Multimedia Indexing (CBMI)*, pp. 144-151. 2007
Best student paper award
[Acceptance rate: 22%]

Thesis

- [Thesis] F. Chevalier. Reconnaissance de motifs quasi-similaires dans des graphes : heuristique et applications
PhD thesis, Université Bordeaux 1, 2007

Patents

- [P2] R. H. Kazi, T. Grossman, G. Fitzmaurice and F. Chevalier. Graphical Interface for Editing an Interactive Dynamic Illustration. US Patent US20150370468. December 24, 2015
- [P1] R. H. Kazi, G. Fitzmaurice, T. Grossman, F. Chevalier and S. Zhao. Animating Sketches with Kinetic Textures. US Patent US20150145870. May 28, 2015

Press

T. Noisette and F. Chevalier “L’onde de choc des attentats du 13 Novembre, jusque dans Wikipédia”, Rue 89. News article about the Paris attack in November, featuring visualizations to track changes on Wikipedia. Article (in French) available at: <http://alturl.com/6vwfo>

F. Chevalier “J’étudie les relations homme-machine, vous m’avez posé vos questions”, Rue89
Ask Me Anything article on the popular Rue89 a news online journal on digital technologies and their impact on society. Article (in French) available at: <http://alturl.com/r49n3>

I have been interviewed by France Info (Info Science) on graph navigation techniques
<http://www.aviz.fr/audio/fanny-franceinfo.mp3> (in French)

WORKSHOP ORGANISING

Workshop: Data Visualization – University of Brasilia (Nov 23-28, 2013)

Co-leader and organizer of a 5 day workshop aiming at going through the design cycle for deploying data visualization tools. The audience includes biomedical engineers and designers from the University of Brasília.

Workshop: Introduction to Information Visualization – OCAD U / York University (May 25, 2010)

Co-leader and organizer of a workshop aiming at introducing Information Visualization and Visual Analytics at the Centre for Innovation in Information Visualization and Data Driven Design. The audience includes researchers in biology, Computer Science, Fine Art and Design.

VisMaster European Project (2010)

Scientific coordinator (co-scenarist, co-director and the main visualization developer) of a short movie promoting Visual Analytics realized for the European project VisMaster. <http://www.vismaster.eu>

TEACHING EXPERIENCE

Lecturer University of Lille 1, Lille, France

Human-Computer Interaction (Winter 2014) – Instructor
6h lectures + 6h tutorial, University of Lille undergraduate students

Lecturer University of Toronto / Ontario College of Art and Design University, Toronto, Ontario

CSC2524 – Topics in Interactive Computing: Information Visualization (Fall 2016) – Instructor
26h lectures, University of Toronto graduate students

CSC428 – Human-Computer Interaction (Winter 2013) – Instructor
24h lectures + 12h tutorial, University of Toronto cross-listed graduate/undergraduate students

DIGF 6B07 – Data Visualization (Fall 2011) – Co-instructor
20h lectures + 16h guided class, Digital Futures Innovations graduate students

DIGF 6B13/CSC 2521 – Digital Sketching: Interaction, modeling and perception (Fall 2011) – Co-instructor
20h lectures + 16h guided class, Digital Futures Innovations graduate students

For all classes, I had responsibility of creating and delivering lectures, setting and grading assignments and examinations.

Lecturer / Teaching Assistant University Institutes for Technology, Dep. Of Computer Sciences, Bordeaux, France

Computer Graphics (2006-2008) – Instructor (*)
10h lecture + 10h guided class, 3rd year Undergraduate (Licence spe. Multimedia)
12h lecture + 12h guided class, 2nd year Undergraduate (2nd year Diploma of higher education)

Advanced databases (2006-2007) – Teaching Assistant
32h guided class, 2nd year Undergraduate (2nd year Diploma of higher education)

Graphs and algorithms (2005-2007) – Instructor (*)
8h lecture + 16h guided class, 2nd year Undergraduate (2nd year Diploma of higher education)

Initiation to algorithmic and programming (2004-2006) – Teaching Assistant
130h guided class, 1st year Undergraduate (1st year Diploma of higher education)

(*) As instructor for the course, I had full responsibility for all aspects of the course: preparing and delivering lectures, setting and grading assignments and examinations, and maintaining course material and website.

Invited Guest Lecturer (2010-2011) Ontario College of Art and Design University, Toronto, Ontario

Animated Transition in Information Visualization (June 2010)
3h lecture, in the GDES 3B91 “Special Topic: Introduction To Data Visualization”
Public: all year Undergraduate students in art and design.

Interactive Visualizations – Introduction to Information Visualization and Human-Computer Interaction (Jan 2011)
3h lecture, in the SOSC 3B27 “Human Factors for Designers”
Public: all year Undergraduate students in art and design.

Science Fair Animator – Awareness campaign for youth and the general public

2015 – Collège Paul Eluard de Cysoing, France: Quand les interfaces s’animent
2008 – Université Paris Sud, France: Visualizing Harry Potter’s social network
Public: 8 to 12 years old kids, and general public.

MENTORING AND SUPERVISING STUDENTS EXPERIENCE

PhD Students

- **Amira Chalbi** – *Inria since October 2014* (co-supervised with Nicolas Roussel)
- M. Glueck – University of Toronto (see [I])
- Alix Goguy – *Université de Lille 1* (see [S13])
- Rubaiat Habib – *University of Singapore / Research Assistant at Autodesk* (see [C20,C21,S10,S11,S14])
- Jian Zhao – *PhD student in Computer Science at the dgp lab, University of Toronto* (see [J4,J5,J6,C7])
- Dustin Freeman - *dgp lab, University of Toronto* (see [C14,C19,S5])

Graduate Students

- Nikola Banovic – *dgp lab, University of Toronto / Research Assistant at Autodesk Research* (see [C11])
- Stephanie Santosa - *dgp lab, University of Toronto* (see [C15,C19])

Undergraduate Students

- Symon Oliver and Guia Camille - *OCAD University / Research Assistants at the Centre for Innovation in Information Visualization and Data-Driven Design* (see [S6,S7,J7]).

PUBLIC TALKS

Guest keynote speaker

- Diffamation: Using Text Animated Transitions to Support Navigation in Document Histories. *Plenary session of the Ubuntu Developer Summit in Brussels, Belgium*. May 2010.

Guest panelist

- On direct manipulation (discussing Bret Victor's *Inventing on Principle*) . *Festival of Ideas*, Toronto. Nov. 2012.
- Using Text Animated Transitions to Support Navigation in Document Histories. “*Centre on Innovation for Information Visualization and Data Driven Design - Information Visualization for Text Analysis*” panel, part of the *CASCON 2010 conference*, Centre for Advanced Studies Research, IBM Canada Software Laboratory, Markham, Ontario. November 2010.

Guest speaker

- *Direct spacetime sketching and editing of visual media*, Microsoft Research, Redmond, June 2016.
- *Data Visualization*, Journée Big Data at Euratech, Lille, November 2015.
- *La visualisation interactive au service du savoir-faire de l’analyste*, R&DV du plateau, Euratech Lille, July 2015.
- *Animations in Visualization*, Information+Visualization seminars at Potsdam University of Applied Sciences, Potsdam, Germany, September 2014.
- *30 minutes de Sciences - Les animations dans les interfaces*, Inria Lille Nord-Europe, September 2014.
- *Animations at the interface*, University of Waterloo, Canada, June 2014.
- *Simple equals Powerful - Principles for more accessible data exploration tools*, Carnegie Mellon University, Pittsburg, June 2013.
- *Simple equals Powerful - Principles for more accessible data exploration tools*, Creative Technologies Lab / Software Technology Lab, Adobe Research, San Francisco, April 2013.
- *Visual Analytics for the Masses*, SIAT, Symon Fraser University (SFU), Vancouver, March 2013.
- *Visual Analytics for the Masses*, University of Calgary, Calgary, February 2013.
- *Designing Interactive Visual Interfaces*, Design Department, Universidade de Brasília, Brasil, December 2012.
- *The use of smooth animated transitions and simple interactions in InfoVis to support rich visual exploration*, Autodesk Research, Toronto, ON, March 2011.
- *The use of smooth animated transitions and simple interactions in InfoVis to support rich visual exploration*, University of Ontario Institute of Technology, Oshawa, ON, November 2010.
- *Diffamation: Using Text Animated Transitions to Support Navigation in Document Histories*, dgp Lab, University of Toronto, ON, March 2010.

Program Committee

ACM CHI: Program Committee Associate Chair (2017) *Human Factors in Computing Systems*
ACM CHI: Program Committee member (2014, 2015) *Human Factors in Computing Systems*
IEEE Infovis: Program Committee member (2015, 2016) *Information Visualization*
ACM UIST: Program Committee member (2013, 2014, 2016) *User Software and Technology*
ACM CHI: Program Committee member of Work-in-Progress (2011, 2012) *Human Factors in Computing Systems*
ISCV: Program Committee member (2014, 2015) *International Symposium on Visual Computing*
IEEE BigData Congress: Program Committee member (2013) *International Congress on Big Data*
Information+: Program Committee member (2016) *Information Design and Information Visualization*
IHM: Program Committee member (2016) *French-speaking Conference in HCI*

Organising Committee

VISAP: General Chair (2016) *VIS Arts Program*
IEEE VIS: Art Program chair (2014, 2015) *Visual Analytics Science and Technology, Information Visualization and Scientific Visualization*
ACM UIST: Video previews chair (2014) *User Software and Technology*
ACM CHI: Video previews chair (2014) *Human Factors in Computing Systems*
IEEE Visweek: Fast-forward chair (2010, 2011, 2012, 2013) *Visual Analytics Science and Technology, Information Visualization and Scientific Visualization*
IHM: Tutorials & Workshops chair (2013) *French-speaking Conference in Human-Computer Interaction*
Co-founder, organizer and webmaster of the Parisian Seminar on Infovis and HCI (2008-2010)

Reviewing (external reviewer for conferences)

ACM SIGGRAPH: Papers (2014, 2016) *Computer Graphics & Interactive Techniques*
ACM CHI: Papers & Notes (2010, 2011, 2012, 2013, 2015) *Human Factors in Computing Systems*
ACM CHI: Work in Progress (2014) *Human Factors in Computing Systems*
ACM CHI: alt.chi (2014) *Human Factors in Computing Systems*
ACM UIST: Papers (2012, 2015) *User Software and Technology*
IEEE Infovis: Papers (2009, 2010, 2011, 2012, 2014) *Information Visualization*
IEEE Infovis: Tutorials (2014) *Information Visualization*
IEEE VAST: Papers (2010, 2011, 2012) *Visual Analytics Science and Technology*
IEEE Scivis: Papers (2011) *Scientific Visualization*
Eurographics/IEEE Eurovis: Papers (2009, 2010, 2011, 2015) *Visualization*
ACM MobileHCI: Papers (2014) *Human-Computer Interaction with Mobile Devices and Services*
ACM NordiCHI: Papers (2012) *Nordic forum for Human-Computer Interaction*
ACM-SIGCHI AVI: Papers (2010) *Advanced Visual Interfaces*
IEEE PacificVis: Papers (2010, 2011, 2013) *Pacific Visualization Symposium*
GI: Papers (2011, 2014) *Graphics Interface*
INTERACT: Papers (2011) *Human-Computer Interaction*
ACM ITS: Papers (2011) *Interactive Tabletops and Surfaces*
IHM: Papers and Noted (2010, 2011) *French-speaking Conference in Human-Computer Interaction*

Reviewing (external reviewer for conferences)

IEEE Computer Graphics and Applications (2014)
IEEE Transactions on Visualization and Computer Graphics (2008, 2010, 2014, 2015, 2016)
International Journal of Human-Computer Studies, Elsevier Science (2010)
Information Visualization (2011)
ACM Transactions on Interactive Intelligent Systems (2014)
Journal of Real-Time Image Processing, Springer (2011)
Signal Processing: Image Communication, Elsevier Science (2007)
Information Science, Elsevier Science (2007)
Revue d'Intelligence Artificielle, Hermes Science (2012)

Grants reviewing

ANR: Expert Committee member (2016) for the programs JCJC, PRCE and PRC (2016) *French national Agency for research*

ANR: External expert for the program JCJC (2014) *French national Agency for research*

DRRT Nord-Pas-de-Calais: External expert for JEI program (2015) *French regional agency for research*

MITACS: Accelerate program (2014)

Hiring Committees

"Commission Emplois de Recherche" (PhD, postdoc and adjunct researcher hiring committee), Inria Lille (2016-2017)

MCF (Assistant Professor) "Interaction homme-machine ; usages du numérique", Polytech Nantes (2016)

MCF (Assistant Professor) "Human-Computer Interaction or Statistical Learning", Université d'Orsay (2015)

MCF (Assistant Professor) "Données du Web / Interaction Homme Machine", Université d'Orsay (2014)

AWARDS

Prime d'encadrement doctoral et de recherche (PEDR) – Grant for scientific excellence (2015-2019).

Best paper nominee for full paper presented at CHI 2016 [C26, C27], CHI 2014 [C20] and CHI 2013 [C15]

Emma Candy Award Winter 2013 (for the paper on Tweetris, see [C14])

Best paper award for paper presented at ACM Creativity and Cognition 2013 (see [C14])

Best artist award for the Tweetris installation, at Halifax's 2013 Nocturne Art Festival (see [S5,C14])

Best student paper award for paper presented at CBMI, Bordeaux, 2007 (see [S1]).

FUNDING

University of Toronto Post-doctoral Fellowship – \$20,000 / year (2011-2013)

OCAD University Post-doctoral Fellowship – \$140,000 in total (2010-2013)

INRIA-Microsoft Post-doctoral Fellowship ~ \$45.000 / year (2008-2009)

University Institutes for Technology (IUT Bordeaux 1) ATER (equiv. Teaching Assistant) Fellowship \$20.000 (2007)

Université de Bordeaux 1 MENRT Scholarship (French governmental Scholarship) \$15.000 / year (2004-2006)

Université de Bordeaux 1 Moniteur d'Initiation à l'Enseignement Supérieur Scholarship \$ 4.000 / year (2004-2006)

Undergraduate Scholarship (merit-based French governmental Scholarship) ~ \$ 4.000 (2003)