

## Nicolas Fillion

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CONTACT INFORMATION	✉ Simon Fraser University Department of Philosophy, 4614 Diamond Building 8888 University Drive Burnaby, BC V5A 1S6	☎ +1 (778) 782-4855 ☎ +1 (778) 782-4443 ✉ nfillion@sfu.ca 🌐 www.nfillion.com
AREAS OF SPECIALIZATION	Philosophy of Science Philosophy of Mathematics Logic Scientific Computing	
AREAS OF COMPETENCE	Philosophy of Physics Early Analytic Philosophy Epistemology (formal and mainstream) Decision and game theory	
EDUCATION	PHD, PHILOSOPHY The University of Western Ontario, London, Canada	2006–2012
	MSC, APPLIED MATHEMATICS The University of Western Ontario, London, Canada	2010–2011
	MA, PHILOSOPHY Université Laval, Quebec City, Canada	2003–2006
	BA, MATHEMATICAL SCIENCES University of Illinois, Springfield, USA	2007–2009
	BA, PHILOSOPHY Université Laval, Quebec City, Canada	2001–2003
	CERTIFICATE, RUSSIAN STUDIES Université Laval and Russian State University for the Humanities	2002–2006
	DEC, NATURAL SCIENCES Collège Mérici, Quebec City, Canada	1998–2000
PROFESSIONAL APPOINTMENTS	SIMON FRASER UNIVERSITY Department of Philosophy, Assistant Professor	2013–
	UNIVERSITY OF WESTERN ONTARIO Department of Statistics & Actuarial Sciences, Postdoctoral Fellow	2012–2013
	UNIVERSITY OF PITTSBURGH Department of Philosophy, Research Scholar	2011

## PUBLICATIONS

**Book**

Corless, R.M. and Fillion, N. (2013). *A Graduate Introduction to Numerical Methods, From the Viewpoint of Backward Error Analysis*, Springer: New York, 868 pp.

**Refereed Journal Articles**

1. Fillion, N. and Bangu, S. (2015). “Numerical Methods, Complexity, and Epistemic Hierarchies,” *Philosophy of Science*, 82: 941-955.
2. Bellhouse, D.R. and Fillion, N. (2015). “Le Her and Other Problems in Probability Discussed by Bernoulli, Montmort and Waldegrave,” *Statistical Science*, 30(1): 26-39.
3. Fillion, N. and Corless, R.M (2014). “On the Epistemological Analysis of Modeling and Computational Error in the Mathematical Sciences,” *Synthese*, 191: 1451-1467.

**Book Chapter & Conference Proceedings**

1. Fillion N (forthcoming). “Demystifying the Applicability of Mathematics,” in: A. Aguirre, B. Foster & Z. Merali (Eds), *Trick or Truth: the Mysterious Connection Between Physics and Mathematics?* (Essay-Winning Awards of the Foundational Questions Institute 2015), Springer.
2. Fillion, N. (2015). “The 18th-century origins of the concept of mixed-strategy equilibrium in game theory,” in: M. Zack & E. Landry (Eds.), *Research in History and Philosophy of Mathematics: The CSHPM 2014 Annual Meeting in St. Catharines, Ontario*, Springer, pp. 63-78.
3. Fillion, N. (2008). “The Kolmogorov-Gödel Translation of Classical Arithmetic into Intuitionistic Arithmetic,” in: A. Cupillari (Ed.), *Proceedings of the Canadian Society for History and Philosophy of Mathematics, Vancouver, June 2008*: pp. 77-88.

**Encyclopedia Articles**

1. Fillion N. (forthcoming), “Accuracy,” in *Sage Encyclopedia of Theory*, J. Mattingly (Ed). Golson Publishing.
2. Fillion N. and Corless R.M. (forthcoming), “Perturbation Theory,” in *Sage Encyclopedia of Theory*, J. Mattingly (Ed). Golson Publishing.

**Critical Notices & Book Reviews**

1. Fillion, N. and Zurcher, B. (2014). “Review of Richard Arthur’s *Natural Deduction: An Introduction to Logic with Real Arguments, a Little History, and Some Humour*,” *Dialogue*. Advanced online publication.
2. Kao, M., Fillion, N. and Bell, J.L. (2010). “Critical Study of Jean-Pierre Marquis: *From a Geometrical Point of View: A Study of the History and Philosophy of Category Theory*,” *Philosophia Mathematica*, 18(2): pp. 227–234.

**Submitted Manuscripts**

1. Fillion N. "Vindicating computer simulations in practice," in: J. Lenhard (Ed), *Mathematics as a Tool*, Boston Studies in the History and Philosophy of Science.
2. Corless, R.M. and Fillion, N. "Backward Error Analysis for Perturbation Methods," *Journal of Computation and Applied Mathematics*

AWARDS AND  
DISTINCTIONS**Academic Awards**

1. Foundational Questions Institute (FQXi) 2015  
Fourth place in the FQXi essay contest "Trick or Truth: the Mysterious Connection Between Physics and Mathematics", for my paper "Demystifying the Applicability of Mathematics", just behind Lee Smolin and Tim Maudlin. There were more than 200 submissions from more than 46 countries. (\$1,000)
2. Association for Computing Machinery 2013  
Notable Book 2013 list of the *ACM Computing Reviews* for the book *A Graduate Introduction to Numerical Methods* in the category "Mathematics of Computing".
3. Collège Mérici 1998  
Bourse d'Excellence du Collège Mérici. 4<sup>th</sup> place in the provincial competition of chemistry/biology (3,200\$).

**Teaching Awards**

1. The University Students' Council, UWO 2011–2012  
University Teaching Honour Roll Certificate of Excellence
2. The Society of Graduate Students, the Graduate Teaching Assistants' Union, and the School of Graduate and Postdoctoral Studies at UWO 2008–2009  
Graduate Student Teaching Award Nominee

GRANTS AND  
FELLOWSHIPS**Research Grants**

1. SFU's Office of the President 2015–2018  
Type: President's Research Startup Grant  
Amount: \$17,500
2. SFU's VP Research 2015–2017  
Type: SSHRC VPR 4A  
Amount: \$10,000  
Project: The justifiability of models of complex empirical systems in contexts of predominant error and uncertainty
3. SFU Teaching and Learning Center 2015–2016  
Type: Teaching and Learning Development Grant  
Amount: \$10,000  
Project: Improving the teaching of threshold concepts in introductory logic courses
4. Rotman Research Catalyst Fund 2014–2015

Type: Catalyst Grant  
 Amount: \$8,850  
 Project: Structure, Nonlinearity, and Complexity in Computational Epistemology  
 Co-Applicant: R.M. Corless

### Fellowships

1. Schmeelk Canada Foundation 2009–2011  
 Richard J. Schmeelk Canada Fellowship (\$40,000)
2. Social Sciences and Humanities Research Council of Canada 2009–2010  
 Doctoral Fellowship (\$20,000), Declined
3. Ontario Graduate Scholarship 2009–2010  
 Doctoral Fellowship (\$15,000), Declined
4. Fonds Québécois de la Recherche sur la Société et la Culture 2006–2009  
 Doctoral Fellowship (\$60,000)
5. Ladislav-Goncarow Foundation 2003  
 Ladislav-Goncarow Scholarship to study in Russia (app. \$6,500)

### Funding for events

1. The Fields Institute for Research in the Mathematical Sciences 2015  
 Type: General Scientific Activity Support  
 Amount: \$16,000  
 Project: Computationally Assisted Mathematical Discovery  
 Co-Applicants: J.M. Borwein, D.J. Jeffrey, I.S. Kotsireas, R.M. Corless
2. SFU FASS Dean's Office 2015  
 Type: Conference Grants  
 Amount: \$3,500  
 Project: Greater Cascadia History and Philosophy of Science Collaboration Event  
 Co-Applicants: H. Andersen
3. The Canadian Journal of Philosophy 2015  
 Type: Conference Grants  
 Amount: \$1,500  
 Project: Greater Cascadia History and Philosophy of Science Collaboration Event  
 Co-Applicants: H. Andersen
4. The Fields Institute for Research in the Mathematical Sciences 2015  
 Type: General Scientific Activity Support  
 Amount: \$6,000  
 Project: Algorithms and Complexity in Mathematics, Epistemology, and Science  
 Co-Applicants: R.M. Corless, C. Smeenk

## INVITED TALKS

**Invited Conference Talks**

1. “tba,” Philosophy of Applied Mathematics Conference, Paris-Sorbonne, Paris, May 2016.
2. “tba,” 43th Annual Philosophy of Science Conference, Inter-University Center, Dubrovnik, April 2016.
3. “The Philosopher’s Best Friend,” Keynote address at the 2015 Western Canadian Undergraduate Conference, Vancouver, 14 March 2015.
4. “The Vindication of Computer Simulations,” Mathematics as a Tool, Center for Interdisciplinary Studies, University of Bielefeld, Germany, 14-15 July 2014.
5. “Error and Computation in the Context of Scientific Modelling (with a Demystification of the Unreasonable Effectiveness of Mathematics),” 40th Annual Philosophy of Science Conference, Inter-University Center, Dubrovnik, 15-19 April 2013.

**Invited Department Talks**

1. “Demystifying the Miracle of the Effectiveness of Applied Mathematics,” Department of Philosophy Colloquium, University of Victoria, 16 October 2014.
2. “Backward Error Analysts Without Borders,” Centre for Scientific Computing’s Weekly Seminar, Pacific Institute for the Mathematical Sciences (PIMS), Simon Fraser University, Burnaby, 17 January 2014.
3. “Aristotle’s Logic: A Comparison of Lukasiewicz’s and Corcoran-Smiley’s Reconstructions,” Buffalo Logic Colloquium, Department of Philosophy, the University at Buffalo, State University of New York, 16 October 2009.

CONFERENCE  
ACTIVITIES**Contributed Talks**

1. Fillion, N. “The Discovery and Justification of Mathematical Knowledge in the Light of Modern Computational Methods,” PSA 2016.
2. Fillion, N. “The surprisingly old origins of modern decision and game theory,” Canadian Mathematics Society, 6 December 2015.
3. Fillion, N. “The surprisingly old origins of modern decision and game theory,” Department of Philosophy, Simon Fraser University, 17 July 2015 (job talk).
4. Fillion, N. and Zurcher, B. “Threshold Concepts in Formal Logic,” CSHPS, University of Ottawa, 1 June 2015.
5. Fillion, N. “Rethinking the relation between Verification and Validation,” ACMES, University of Western Ontario, 6-8 May 2015.
6. Fillion, N. and Bangu, S., “Solutions in the Mathematical Sciences & Epistemic Hierarchies,” PSA, Chicago, 6-9 November 2014.
7. Fillion, N., “The Vindication of computer simulations,” Knowledge and Models in Climate Science: Philosophical, Historical, and Scientific Perspectives, Rotman Institute of Philosophy, University of Western Ontario, 24-26 October 2014.

8. Fillion, N. and Bangu, S., “Perspectives on Computation and Epistemic Hierarchies,” WCPA, Vancouver, 3-5 October 2014.
9. Fillion, N., and Bellhouse, D.R., “Discovering the concept of minimax solution: Montmort, Waldegrave and Bernoulli,” CSHPM, Brock University, 25-27 May 2014.
10. Zhao, K., Contreras, W., and Fillion, N., “Ultimatum Game as an Indicator for Altruism,” CSHPS, Brock University, 24-26 May 2014.
11. Contreras, W., Zhao, K., and Fillion, N., “Asymptotic Reasoning in the Social Sciences,” CSHPS, Brock University, 24-26 May 2014.
12. Fillion, N., “Backward Error Analysis as a Model for Scientific Computation,” Models and Simulations in the Sciences: Perspectives from Philosophy, History, and Policy, University of Notre Dame, 9-11 May 2014.
13. Fillion, N., “Mathematical Models & Epistemic Hierarchies,” 65th Annual Northwest Philosophy Conference, Pacific University, 4-5 October 2013.
14. Fillion, N., “Minimal Models and Scientific Computation as Aspects of the Applicability of Mathematics,” Workshop on the Applicability of Mathematics, Simon Fraser University, 14 September 2013.
15. Fillion, N., “On the Epistemological Analysis of Modeling and Computational Error in the Mathematical Sciences,” CSHPS, University of Victoria, 2-4 June 2013.
16. Fillion, N., “The Applicability of Mathematics in the Natural Sciences,” Department of Philosophy, Simon Fraser University, 26 February 2013 (job talk).
17. Fillion, N., “L’appliquabilité des Mathématiques en Sciences Naturelles,” Faculté de Philosophie, Université Laval, 9 November 2012 (job talk).
18. Fillion, N., “Backward-Error Analysis Revisited,” 30th Southern Ontario Numerical Analysis Day: SONAD 2012, Department of Computer and Mathematical Sciences, University of Toronto, 11 May 2012.
19. Fillion, N., “The Unreasonable Awesomeness of Mathematics,” PGSA Colloquium Series, Department of Philosophy, University of Western Ontario, 30 February 2012.
20. Fillion, N., and Corless, R.M., “Computation and Explanation,” The Plurality of Numerical Methods and their Philosophical Analysis, Institut d’histoire et de philosophie des sciences et techniques, Université Paris-I Panthéon-Sorbonnes, 3-4 November 2011.
21. Fillion, N., and Moir, R., “Explanation and Abstraction: The Case of Backward Error Analysis,” PSA, Montréal, November 2010.
22. Fillion, N., “Clinical Equipoise and the Ethics of Adaptive Trials,” CSSPE, Concordia University, 30 May-1 June 2010.
23. Fillion, N., and Moir, R., “Modeling and Explanation: Some Lessons from Modern Error Theory,” CSHPS, Concordia University, 28-30 May 2010.
24. Batterman, R.W., Fillion, N., Moir, R. and Overton, J., “Idealization in Scientific Explanation,” Western Research Day, March 24, 2010 (poster).

25. Fillion, N. and Moir, R., “A Step Forward with Backward Error,” PGSA Colloquium Series, Department of Philosophy, University of Western Ontario, 10 March 2009.
26. Fillion, N., “Two Traditions in Logic,” PGSA Colloquium Series, Department of Philosophy, University of Western Ontario, 14 October 2009.
27. Fillion, N., “Conséquences observationnelles en mécanique des continua,” 77<sup>ième</sup> Congrès de l’ACFAS, University of Ottawa, 11-15 May 2009.
28. Fillion, N., “Logique aristotélicienne: Ontologie Formelle ou Épistémologie Formelle?,” 77<sup>ième</sup> Congrès de l’ACFAS, University of Ottawa, 11-15 May 2009.
29. Fillion, N., “Explanation in Phenomenological Theories of Physics,” University of Waterloo Philosophy Graduate Colloquium, 24 October 2008.
30. Fillion, N., “The Kolmogorov-Gödel Translation of Classical Arithmetic into Intuitionistic Arithmetic,” CSHPM, University of British Columbia, 1-3 June 2008.
31. Fillion, N., “Aristotle’s Logic and its Modern Reconstructions,” CSHPM, University of British Columbia, 3-5 June 2008.
32. Fillion, N., “The Semantics of Conditionals,” 15<sup>th</sup> University of Waterloo PGSA Conference, Department of Philosophy, University of Waterloo, 9-10 April 2008.
33. Fillion, N., “Intuitionism and Logicism on the Foundations of Arithmetic,” PGSA Colloquium Series, Department of Philosophy, the University of Western Ontario, 30 February 2008.
34. Fillion, N., “La distinction fregéenne sens/référence et les conditions de possibilité de la métathéorie,” 75<sup>ième</sup> Congrès de l’ACFAS, Université du Québec à Trois-Rivières, 7-11 May 2007.
35. Fillion, N., “Aristotelian and Modern Logic,” 4<sup>th</sup> Annual GPSA Colloquium, Concordia University, 4-5 May 2007.
36. Fillion, N., “L’axiomatique: Théorie Générale des Structures Conceptuelles,” Colloque étudiant, Université Laval, 28 April 2006.

### Commentator

1. “Poincaré and Structuralism in the Philosophy of Mathematics” (by Janet Folina), APA Pacific, Vancouver, 2015.
2. “Modality and the Progressive” (by Ivan Myerhofer), Philosophy of Language, Mind, and Cognitive Science, University of Western Ontario, 2007.

### TEACHING EXPERIENCE

#### Instructor

##### Simon Fraser University

2013–2015

##### *Graduate courses*

1. Asymptotic Explanation W2014

##### *Cross-listed graduate/undergraduate courses*

2. Philosophy as Analysis (with Martin Hahn) S2016

3. Decision and Game Theory F2014

4. Scientific Explanation	S2014
<i>Upper-division undergraduate courses</i>	
5. Honours Tutorial	2×W2015, 2×F2015
6. Advanced Modal Logic (with Ray Jennings)	W2015
7. Modal Logic	F2014, F2015
8. Philosophy of Science	F2013, S2015
9. Philosophy of Mathematics	W2017
<i>Lower-division undergraduate courses</i>	
10. Critical Thinking	S2014
11. Introduction to Logic and Reasoning	F2013, S2015, F2015, S2016
12. The Epistemology of Conspiracy Theory	W2017

**The University of Western Ontario 2008–2012**

<i>Lower-division undergraduate courses</i>	
1. Philosophy of Science	W2012
2. Basic Logic (6-week intensive equivalent to a full-year course)	S2010
3. Introduction to Philosophy (full-year course)	F2008/W2009

**Teaching Assistant**

**The University of Western Ontario 2006–2010**

<i>Graduate courses</i>	
1. Numerical Methods (applied mathematics)	F2010
<i>Lower-division undergraduate courses</i>	
2. Introduction to Logic	F2009
3. Critical Thinking (full-year course)	F2007/W2008
4. Biomedical Ethics (full-year course)	F2006/W2007

**Russian State University for Humanities 2004–2005**

<i>Lower-division undergraduate courses</i>	
1. French for Philosophers	F2004, W2005
2. French Culture in North America	W2005

**Université Laval 2003–2006**

<i>Upper-division undergraduate courses</i>	
1. Introduction to Philosophy of Science	W2004, F2006
2. Analytic Philosophy of Language	F2006
3. Philosophy of Knowledge	F2005

**Guest Lectures**

1. “Computation in Scientific Explanation,” in the course *Contemporary Philosophy of Science* (Andrew Wayne), Department of Philosophy, University of Guelph, 17 November 2010.
2. “L’œuvre de Frege et son Influence,” in the course *Philosophie du Langage et Pragmatique* (François Pichette), Lettres et Communications, TÉLUQ, 3 November 2010.
3. “Basic Concepts of Game Theory,” in the course *Decision Theory* (Brian Woodcock), Department of Philosophy, University of Western Ontario, 28 March 2006.



4. “Le Réalisme Épistémologique de Karl Popper,” in the course *Introduction à l'Épistémologie des Sciences* (Daniel Descroches), Faculty of Philosophy, Université Laval, 19 March 2003.
5. “Induction, Vérification et Falsification,” in the course *Histoire des Sciences* (Luc Tremblay), Département d'Histoire et Civilisations, Collège Mérici, 2 November 2002.

SERVICE TO  
PROFESSION

**Instructor for *Academics Without Borders***

1. Course on “Logic for Computer Science”, Graduate program, Department of Computer Science, Cape Coast University, Ghana, 2015.

**Journal Manuscripts Review**

1. Foundations of Science, 2015
2. Erkenntnis, 2015
3. Science and Education, 2014
4. Synthese, 2014, 2016
5. British Journal for the Philosophy of Science, 2014
6. Mind, 2014
7. The American Mathematical Monthly, 2013
8. Proceedings of “Cultures of Mathematics and Logic,” 2013

**Book Manuscripts Review**

Won Y. Yang, Engineering Mathematics with MATLAB, Elsevier.

**Conference Papers Review**

1. Canadian Philosophical Association Annual Meeting, 2010, 2011, 2012, 2013, 21016
2. Algorithm and Complexity in Mathematics, Epistemology, and Science, 2015
3. Society for Exact Philosophy, 2011
4. Logic, Math, and Physics Graduate Philosophy Conference, 2008, 2009, 2010, 2011

**External Thesis Examiner**

1. Pier-Alexandre Tardif, MA Philosophy, Université Laval, Canada Winter 2014  
Thesis: Une interprétation formaliste de la signification et du statut logique de la critique quinienne de la distinction analytique-synthétique

**Conference Organization**

1. The Greater Cascadia HPS Workshop  
@ SFU (co-organizer: H. Andersen) Either 2016 or 2017
2. ACMES: Algorithms and Complexity and Mathematics, Epistemology, and Science  
@ Western University (co-organizers: J.M. Borwein, D.J. Jeffrey, I.S. Kotsireas, and R.M. Corless) May 2016  
@ Western University (co-organizers: R.M. Corless, C. Smeenk, R. Moir) May 2015
3. Seminar in the History and Philosophy of Mathematics  
@ Simon Fraser University (co-organizer: Tom Archibald) 2013–2014
4. LMP: Logic, Mathematics, and Physics Graduate Philosophy Conference  
@ Western University (co-organizer: E. Doyle) 2010  
@ Western University 2009  
@ Western University 2008

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5. Philosophy Graduate Students Association Colloquium Series  
 @ Western University (co-organizer: K. Biniek) 2008–2009  
 @ Western University 2007–2008

DEPARTMENT  
SERVICE

### Graduate Supervision

1. Gabriel Larivière, Philosophy, SFU hfill Fall 2015—
2. Travis Lacroix, MA Philosophy, SFU Fall 2014—W2016  
 Placement: PhD at University of California, Irvine (LPS department)
3. Bradley Zurcher, MA Philosophy, SFU Fall 2013—W2016  
 Placement: Law School at Washington University in St. Louis (top 20 law school)
4. Yuting (Kino) Zhao, MA Philosophy, SFU Fall 2013—W2015  
 Placement: PhD at University of California, Irvine (LPS department).

### Interim Supervision

1. Anthony Nguyen, MA Philosophy, SFU Fall 1025–
2. Navid Tarighati, MA Philosophy, SFU Fall 2014–S2015

### Graduate Research Assistants Supervision

1. Kino Zhao W2015
2. Brad Zurcher W2015

### Undergraduate Research Assistants Supervision

1. Anton Iatcenko (mathematics) F2015-W2016

### Departmental Graduate Fellowships Supervision

1. Graham Moore S2015
2. Travis LaCroix S2015

### Honors Tutorials

1. Kiana Bartz F2015
2. Blair MacDonald W2015
3. Robert Munro W2015

### Other individual teaching

1. Bradley Zurcher (graduate, history of logic) W2016
2. Kira Urquart (logic and set theory) F2015

### MA professional paper, second reader

1. Mike Perry S2015
2. Marissa Bennett F2015

### Academic Committees

*Simon Fraser University*

1. FIC Course Coordinator (Critical Thinking) F2015–
2. Graduate Committee F2015–
3. Secondary School Outreach Coordinator S2015–
4. Job Search Committee Member W2015
5. Web Committee 2014–
6. Colloquium Committee 2013–

*University of Western Ontario*

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|---|-----------|
| 7. Graduate Club Administration Board                 | 2011-2012 |
| 8. Steering Committee, Rotman Institute of Philosophy | 2009-2010 |

*Université Laval*

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| 9. Graduate Program Committee, Graduate representative       | 2005-2006 |
| 10. Graduate Student Association, Vice-president             | 2005-2006 |
| 11. Faculty of Philosophy Graduate Board Member              | 2003-2004 |
| 12. Undergraduate Student Association, President             | 2001-2002 |
| 13. Graduate Program Committee, Undergraduate representative | 2001-2002 |

## OUTREACH

**Media appearance**

1. Radio-Canada (Première chaîne), Boulevard du Pacifique, 20 October 2015.  
Topic: The impact of the election of the Liberals for science and universities

**Public Lecture**

1. “Philosophy, Science, and the Quest for Knowledge,” Lecture for the Student Service Recruitment Program, SFU, 8 April 2015.
2. “Axioms,” *Mathematics After Hours* outreach program, Department of Mathematics, SFU, 5 March 2015.
3. “A taste of infinity,” *A taste of  $\pi$*  high school outreach program, Department of Mathematics, SFU, 6 December 2014.

RELATED  
PROFESSIONAL  
ACTIVITIES**Technical Workshops**

1. “Introduction to L<sup>A</sup>T<sub>E</sub>X, Bibtex, Beamer, Tikz, and all that”, Workshop for faculty members and graduate students, Department of Mathematics, SFU, November 2015.
2. “Introduction to L<sup>A</sup>T<sub>E</sub>X”, Workshop for faculty members and graduate students, Department of Philosophy, SFU, 11 September 2014.
3. “Introduction to MATLAB”, Workshop for faculty members and graduate students, Department of Philosophy, SFU, 22 October 2013.
4. “Introduction to L<sup>A</sup>T<sub>E</sub>X”, Workshop for faculty members and graduate students, Department of Philosophy, UWO, 26 March 2012.
5. (With A. Botterell) “Academic websites,” Workshops for Graduate Students in Philosophy 2008-2009, Department of Philosophy, The University of Western Ontario, January 2009.
6. “Typesetting in L<sup>A</sup>T<sub>E</sub>X” Two-session workshop for faculty members and graduate students, Department of Philosophy, The University of Western Ontario. September 2007, February 2010, Winter 2013, Summer 2013.

**Reading Groups with Graduate Students**

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|---|-------|
| 1. Philosophy of science (Realism/Anti-realism) | S2014 |
| 2. Philosophy of science (Modelling)            | F2013 |

LANGUAGES      French (Native)  
                    English (Fluent)  
                    Russian (Reading skills)

PROFESSIONAL	Center for Scientific Computing, Simon Fraser University	2014–Present
AFFILIATIONS	Computer Algebra Research Group of Wilfred Laurier University	2016–Present
	Rotman Institute of Philosophy, University of Western Ontario	2007–2013

*Last updated: March 9, 2016*