

Citizenship

Canadian

Current position

2014-present Postdoctoral researcher
Munich Center for Mathematical Philosophy (LMU-München)
Supervisor: Prof. Dr. Stephan Hartmann

Academic formation

2011-2014 Doctorate in philosophy (with mention, Dean's honor list)
Université de Montréal
Supervisor: Prof. Dr. Jean-Pierre Marquis

2010-2011 Master's degree in philosophy (with mention)
Université de Montréal
Supervisor: Prof. Dr. Jean-Pierre Marquis

2007-2010 Bachelor's degree in philosophy (with mention)
Université de Montréal

Work experience

2013-2014 Coordinator
Department of philosophy, Université de Montréal

2011-2014 Lecturer
Department of philosophy, Université de Montréal

2010-2011 Teaching assistant
PHI 1130 - Philosophy of sciences (winter 2011)
PHI 1005 - Logic 1 (fall 2010)
Department of philosophy, Université de Montréal

Teaching experience

(forthcoming) Invited speaker
DRT 7001A - Graduate seminar (winter 2017)
Academic level: Graduate
Law Faculty, Université de Montréal

2016 Invited speaker
DRT 7001A - Graduate seminar (winter 2016)
Academic level: Graduate
Law Faculty, Université de Montréal

2013-2014 Lecturer
PHI 1901 - Argumentation and critical thinking (fall 2013, winter 2014)
Academic level: Undergraduate
Department of philosophy, Université de Montréal

- 2012-2013** Lecturer
PHI 1901 - Argumentation and critical thinking (fall 2012, winter 2013)
Academic level: Undergraduate
Department of philosophy, Université de Montréal
- 2011-2012** Lecturer
PHI 2005 - Logic 2 (winter 2012)
PHI 1901 - Argumentation and critical thinking (fall 2011, winter 2012)
Academic level: Undergraduate
Department of philosophy, Université de Montréal

Publications

Books

- PETERSON, C. (2016). *De la logique des obligations, des permissions et des interdictions: De von Wright à aujourd'hui*, Presses de l'Université de Montréal.
- PETERSON, C. (2013). *Pensée rationnelle et argumentation*, Presses de l'Université de Montréal.

Book chapters

- PETERSON, C. (forthcoming). *A logic for human actions*, Applications of formal philosophy, Springer.
- HOULE, F. and PETERSON, C. (accepted). *The many faces of truth in the law of evidence*, Comment savoir ce que nous croyons savoir: Les faits et le droit, Éditions Thémis.

Peer reviewed articles

- PETERSON, C. (accepted) *Exploratory factor analysis and theory generation in psychology*, Review of Philosophy and Psychology.
- PETERSON, C. and KULICKI, P. (2016) *Conditional normative reasoning with substructural logics: New paradoxes and De Morgan's dualities*, in Deontic Logic and Normative Systems, O. Roy, A. Tamminga and M. Willer (eds), College Publication, pp.220-236.
- PETERSON, C. (2016) *A comparison between substructural and monoidal logics*, Journal of Applied Non-Classical Logics, 26(2): 126-159.
- PETERSON, C. (2016). *From linguistics to deontic logic via category theory*, Logique et Analyse, 59(235).
- PETERSON, C. and MARQUIS, J.-P. (2016). *Formal philosophy and legal reasoning: The validity of legal inferences*, Logique et Analyse, 59(234): 227-263.
- PETERSON, C. (2015). *Conditional reasoning with string diagrams*, South American Journal of Logic, 1(2): 401-434.
- PETERSON, C. (2015). *Contrary-to-duty reasoning: A categorical approach*, Logica Universalis 9(1): 47-92.
- PETERSON, C. (2014). *The categorical imperative: Category theory as a foundation for deontic logic*, Journal of Applied Logic, 12(4): 417-461.
- PETERSON, C. (2013). *Normative inferences and validity: A heuristic*, Cogency, 5(1): 85-105.
- PETERSON, C. and LEPAGE, F. (2012). *Cleland on Church's thesis and the limits of computation*, Philosophia Scientiae, 16(3): 69-85.
- PETERSON, C. and MARQUIS, J.-P. (2012). *A note on Forrester's paradox*, The Polish Journal of Philosophy, 6(2): 53-70.
- PETERSON, C. (2011). *Critique d'une interprétation temporelle de la logique déontique*, Ithaque, 8: 61-73.

PETERSON, C. (2010). *Logique et Sémantique: Critique d'une interprétation non-standard de la logique déontique*, Ithaque, 7: 47-67.

PETERSON, C. (2010). *Logique déontique et logique des normes*, Ithaque, 6: 31-52.

Submitted articles

PETERSON, C. *Prediction, accommodation and replication: Model selection in scale construction*, Philosophy of Science, 2nd revision.

PETERSON, C. *Methodological empiricism and the choice of measurement models in psychology*, British Journal for the Philosophy of Science.

PETERSON, C. *Studies in the logic of K-onfirmation*, Erkenntnis.

PETERSON, C. *Categorical foundations for logic: Lambek's legacy revisited*, Review of Symbolic Logic.

PETERSON, C. *Monoidal logics: Completeness and classical systems*, Studia Logica.

Book reviews

PETERSON, C. (2012). *From a Geometrical Point of View: A Study of the History and the Philosophy of Category Theory*, by Jean-Pierre Marquis, Logic, Epistemology and the Unity of Science 14, Springer, 2009, *Dialogue*, 51(2): 333-335.

Article reviews

PETERSON, C. (2016). *On revocable and irrevocable belief revision* by Hans van Ditmarsch, *Krister Segerberg on Logic of Actions*, Outstanding Contributions to Logic 1, R. Trypuz (ed), Springer, p.209-228, 2014, *Mathematical Reviews* MR3380432.

PETERSON, C. (2015). *On the essential flatness of possible worlds* by Neil Kennedy, *Recent Trends in Philosophical Logic*, Trends in Logic 41, R. Ciuni, H. Wansing et C. Willkommen (eds), Springer, p.127-137, 2014, *Mathematical Reviews* MR3330777.

PETERSON, C. (2015). *Reliability for degrees of belief* by Jeff Dunn, *Philosophical Studies*, 172(7): 1929-1952, 2015, *Mathematical Reviews* MR3357715.

PETERSON, C. (2015). *In the mood for S_4 : the expressive power of the subjunctive modal language in weak background logics* by Rohan French, *Studia Logica*, 103(2): 239-263, 2015, *Mathematical Reviews* MR3333181.

Proceedings

PETERSON, C. (2014). *Monoidal logics: How to avoid paradoxes*, Proceedings of the Second International Workshop on Artificial Intelligence and Cognition (AIC 2014), November 26-27, Turin, Italy, CEUR Workshop Proceedings vol. 1315, ISSN: 1613-0073.

PETERSON, C. (2013). *La portée épistémique de l'axiomatisation de la physique chez Hilbert*, in *La crise des fondements: Quelle crise?*, Les Cahiers d'Ithaque, p.121-147.

Electronic proceedings

PETERSON, C. (2013). *Formal Philosophy and Legal Reasoning: The validity of legal inferences*, Electronic proceedings of the conference *The Nature of Computation: Logic, Algorithms, Applications*, Computability in Europe (CiE 2013), July 1-5, Milan, Italy.

Ph.D. thesis

PETERSON, C. (2014). *Analyse de la structure logique des inférences légales et modélisation du discours juridique* (The analysis of the structure of legal inferences and the modelization of legal discourse), Ph.D. thesis, Université de Montréal.

Master's thesis

PETERSON, C. (2012). *La logique déontique: Une application de la logique à l'éthique et au discours juridique* (Deontic logic: Applying logic to ethics and legal discourse), Master's thesis, Université de Montréal.

Conferences

2016

PETERSON, C. and KULICKI, P. (2016) *Conditional normative reasoning with substructural logics: New paradoxes and De Morgan's dualities*, 13th International Conference on Deontic Logic and Normative Systems (DEON 2016), July 18-21, Bayreuth, Germany.

KULICKI, P. and PETERSON, C. (2016) *Deontic Action Logic Using Substructural Systems*, Applications of Logic in Philosophy and the Foundations of Mathematics, May 9-13, Szklarska Poręba, Poland.

2015

PETERSON, C. (2015) *Monoidal logics: De Morgan negations and classical systems*, General Proof Theory, November 27-29, Tübingen, Germany.

PETERSON, C. (2015). *Constructing scientific discoveries: Exploratory factor analysis and scientific discoveries*, Scientific Discovery in the Social Sciences, London School of Economics and Political Science, January 30-31, London, United Kingdom.

2014

PETERSON, C. (2014). *Monoidal logics: How to avoid paradoxes*, International Workshop on Artificial Intelligence and Cognition, November 26-27, Turin, Italy.

PETERSON, C. (2014). *Deontic paradoxes and Cartesian logics*, Bavarian Deontic Group, Universität Bayreuth, November 4, Bayreuth, Germany.

PETERSON, C. (2014). *Introducing monoidal logics*, Work in Progress Seminar, Munich Center for Mathematical Philosophy, October 16, Munich, Germany.

PETERSON, C. (2014). *Action logic and compact closed categories*, Trends in Logic XIV: Off-stream applications of formal methods, Studia Logica International Conference, July 8-11, Ghent, Belgium.

PETERSON, C. (2014). *Conflicts d'obligations et obligations conditionnelles*, congress of the Society for Philosophy of Quebec (SPQ), May 12-15, Montreal, Canada.

2013

PETERSON, C. (2013). *Formal Philosophy and Legal Reasoning: The validity of legal inferences, The Nature of Computation: Logic, Algorithms, Applications*, Computability in Europe (CiE 2013), July 1-5, Milan, Italy.

PETERSON, C. (2013). *The Formal Analysis of Legal Inferences*, 2013 Meeting of the Society for Exact Philosophy (SEP), May 24-26, Montreal, Canada.

PETERSON, C. and J.-P. MARQUIS (2013). *Non kripkean semantics for deontic logic*, 2013 North American Annual Meeting of the Association for Symbolic Logic, May 8-11, Waterloo, Canada.

PETERSON, C. (2013). *Normative Inferences and Validity: A Heuristic*, Third International Conference in Logic, Argumentation and Critical Thinking, January 8-11, Santiago, Chili.

2012

PETERSON, C. and J.-P. MARQUIS (2012). *Standard Deontic Logic and Forrester's Paradox*, Trends in Logic XI: Studia Logica International Conference, June 3-5, Bochum, Germany.

PETERSON, C. (2012). *La sémantique de Kripke et le paradoxe de Prior*, congress of the Society for Philosophy of Quebec (SPQ), May 7-11, Montreal, Canada.

2011

PETERSON, C. (2011). *La portée épistémique de l'axiomatisation de la physique chez Hilbert*, La crise des fondements: Quelle crise?, invited speaker, October 7-9, Montreal, Canada.

PETERSON, C. (2011). *On what grounds should we build deontic logic?*, 14th Congress of Logic, Methodology and Philosophy of Science, July 19-26, Nancy, France.

PETERSON, C. (2011). *On what grounds should we build deontic logic?*, congress of the Canadian Philosophical Association (CPA), May 29 - June 2, Fredericton, Canada.

PETERSON, C. (2011). *Logique Déontique: Deux arguments en faveur du principe d'agrégation*, congress of the Society for Philosophy of Quebec (SPQ), May 9-12, Sherbrooke, Canada.

PETERSON, C. (2011). *Réflexion sur le principe de conséquence déontique*, Philopolis, March 19-20, Montreal, Canada.

2010

PETERSON, C. (2010). *Logique, Normes et Obligations*, Philopolis, March 20-21, Montreal, Canada.

Fundings

- (submitted)** Model selection in human and social sciences: Searching for the best explanation
Banting Postdoctoral fellowship
Social Sciences and Humanities Research Council (SSHRC)
140 000 \$
- 2016-2019** Permissions, Information and Institutional Dynamics, Obligations and Rights
Deutsche Forschungsgemeinschaft (DFG)
Co-researcher
Principal Investigators: Prof. Dr. Olivier Roy and Prof. Dr. Piotr Kulicki
€ 419 672
- 2014-2016** Le rôle épistémique des probabilités et des statistiques en psychologie quantitative
Postdoctoral fellowship
Social Sciences and Humanities Research Council (SSHRC)
81 000 \$
- 2012-2015** Analyse de la structure logique des inférences légales et modélisation du discours juridique
Doctoral Research Scholarship (Joseph-Armand-Bombardier)
Social Sciences and Humanities Research Council (SSHRC)
105 000 \$
- 2011-2014** Analyse de la structure logique des inférences légales et modélisation du discours juridique
Doctoral Research Scholarship
Fonds de Recherche Québécois - Société et Culture (FRQSC)
60 000 \$
- 2010-2011** La logique déontique: Une application de la logique à l'éthique et au discours juridique
Master Research Scholarship (Joseph-Armand-Bombardier)

Social Sciences and Humanities Research Council (SSHRC)
17 500 \$

Prizes and scholarships

- 2015** Travel scholarship
Ludwig-Maximilians Universität (München)
€ 500
- 2014** Excellence prize
Department of Philosophy, Université de Montréal
1 500 \$
- 2013** Excellence prize
Department of Philosophy, Université de Montréal
1 500 \$
- 2012** Scholarship
Department of Philosophy, Université de Montréal
1 000 \$
- 2011** Essay prize
Société de Philosophie du Québec (SPQ)
500 \$
- 2008** Scholarship
J. Hubert Biermans , Université de Montréal
1 000 \$

Distinctions

Dean's honor list, 2014-2015.

Ph.D. thesis with mention exceptional.

Master's degree with mention exceptional.

Award for the best essay produced by a student at the congress of the Society for Philosophy of Quebec (SPQ), Sherbrooke, Canada, May 9-12, 2011.

Bachelor's degree with mention of excellence.

Contact information of four referees

- Name Prof. Dr. Jean-Pierre Marquis
Position Full professor, Vice-Dean
Affiliation Université de Montréal
Address 2910 Édouard-Montpetit
Montréal, Qc
Canada
Phone (514) 343-6111 ext. 33445
Email jean-pierre.marquis@umontreal.ca

- Relationship Ph.D. Supervisor
2. Name Prof. Dr. Andrew Irvine
Position Full professor, Unit Head
Affiliation University of British Columbia
Address 3333 University Way
Kelowna, BC
Canada
Phone (250) 807-9704
Email andrew.irvine@ubc.ca
Relationship External examiner on my thesis committee
3. Name Prof. Dr. Stephan Hartmann
Position Full professor, Chair
Affiliation Munich Center for Mathematical Philosophy
Ludwig Maximilians-Universität München
Address Ludwigstr. 31
80539 München
Germany
Phone +49 89 2180 3320
Email S.Hartmann@lmu.de
Relationship Postdoctoral Supervisor
4. Name Prof. Dr. France Houle
Position Full professor, Vice-dean
Affiliation Law faculty
Université de Montréal
Address 2910 Édouard-Montpetit
Montréal, Qc
Canada
Phone 1 (514) 343-6870
Email france.houle@umontreal.ca
Relationship Collaborator

Societies

Association for Symbolic Logic (ASL)
Association for Computability in Europe (ACiE)
Society for Exact Philosophy (SEP)
Société de Philosophie du Québec (SPQ)

Research group

Bavarian Deontic Group

Article evaluation for peer-reviewed journals

Laval théologique et philosophique, Mathematical Reviews, Ithaque.

Participation in scientific committees

Member of the scientific committee for the *Society for Exact Philosophy* (SEP 2013).