

VALÉRIE LYNN THERRIEN

PHD CANDIDATE (ABD) – MCGILL UNIVERSITY

MONTRÉAL, QC

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🌐 valerielynntherrien.com

AOS: HISTORY AND PHILOSOPHY OF MATHEMATICS

EDUCATION

DIPLOMAS

- **PhD2 — Philosophy of Mathematics** **2019–Present**
MCGILL UNIVERSITY, Montréal, QC *In Progress, 3.92 GPA*
Supervisors: Michael Hallett and Dirk Schlimm
MODELS OF MATHEMATICS: A TALE OF TWO LOGICS
- **PhD — Philosophy of Mathematics** **2017–2018**
WESTERN UNIVERSITY, London, ON *Incomplete*
Supervisor: John L. Bell
- **MPhil — Philosophy of Mathematics** **2016–2017**
WESTERN UNIVERSITY, London, ON *95%*
Supervisor: John L. Bell
DO ALL ROADS LEAD TO CLASSICAL MATHEMATICS? THE AXIOM OF CHOICE AND THE ROAD PAVED BY THE WARSAW SCHOOL OF MATHEMATICS
- **Baccalauréat ès Arts en Philosophie** **2005–2015**
UNIVERSITÉ DE MONTRÉAL, Montréal, QC *3.842 GPA*
Dean's List
Certificate in Russian Studies
INVENTING LOGIC: THE LÖWENHEIM-SKOLEM PARADOX AND FIRST- AND SECOND-ORDER LOGIC

CERTIFICATES

- **European Summer School on the Philosophy of Mathematics** **2024**
UNIVERSITÄT WIEN, Vienna, Austria
Philosophy of Mathematical Practice
- **History of Mathematics in the Ancient World** **2024**
UNIVERSITY OF EDINBURGH, Edinburgh, Scotland
History of Global Mathematics — Fully funded
- **Luigi Maierù's Internation Summer School** **2024**
CHAPMAN UNIVERSITY, Cetraro, Italy
Reading Pappus — Fully funded

- **SPLoGiC** **2023**
SÃO PAULO SCHOOL OF ADVANCED SCIENCE, São Paulo, Brasil
 Non-Classical Logics — Fully funded
- **Summer School on “Models and Methods”** **2022**
UNIVERSITÄT WIEN, Vienna, Austria
 Mathematical Explanation and Computational Methods
- **Logic Year — Mathematical Logic Stream** **2018–2019**
ILLC-UNIVERSITEIT VAN AMSTERDAM, Amsterdam, The Netherlands
- **Summer School on Mathematical Philosophy** **2017**
MCMP-LUDWIG MAXIMILIANS UNIVERSITÄT MÜNCHEN, Munich, Germany
- **Summer School in Logic and Formal Epistemology** **2016**
CARNEGIE-MELLON UNIVERSITY, Pittsburgh, USA
 With Wilfried Sieg — Full Funded
- **Graduate Summer School on “Metaphysics and Modernity”** **2012**
OTTO FRIEDRICH UNIVERSITÄT BAMBERG, Bamberg, Germany
 With Saul Kripke — Fully funded
 Only undergraduate student admitted

AWARDS (*denotes an award >5 000\$)

- *** DAVID FATE NORTON FELLOWSHIP IN PHILOSOPHY** **2024-2025**
McGILL UNIVERSITY, Montréal, QC
 Awarded on the basis of academic merit to one student completing their doctoral thesis
- **CONGRESS GRADUATE MERIT AWARD** **2024**
FEDERATION FOR THE HUMANITIES AND SOCIAL SCIENCES, Ottawa, ON
 Nominated by the CSHPM
- *** MICHAEL SMITH FOREIGN STUDY SUPPLEMENT** **2023–2024**
GOVERNMENT OF CANADA, Ottawa, ON
 Awarded on the basis of academic merit to selected CGS-D holders
- *** GRADUATE MOBILITY AWARD** **2023–2024**
McGILL UNIVERSITY, Montréal, QC
 Six Months, Doctoral Research and Archival Visits
- *** VIENNA CICLE INSTITUTE FELLOWSHIP** **2023–2024**
UNIVERSITÄT WIEN, Vienna, Austria
 Six Months, Doctoral Research and Archival Visits
- *** WOLFE CHAIR GRADUATE FELLOWSHIP** **2023–2024**
McGILL UNIVERSITY, Montréal, QC
- **THANKED PROF** **2022–2023**
McGILL UNIVERSITY, Montréal, QC

Students nominate a professor that has made a difference in their life

- **CONGRESS GRADUATE MERIT AWARD** **2022**
FEDERATION FOR THE HUMANITIES AND SOCIAL SCIENCES, Ottawa, ON
Nominated by the CSHPM
- **ROBERTO GUALTIERI AWARD** **2022**
MCGILL UNIVERSITY, Montréal, QC
Academic Achievement and Community Service – I conducted surveys of graduate students, performed statistical analysis on the data, and researched cost of living as well as the poverty line/viable income for Montréal. On this basis, I helped to organize graduate students and lobby for a stipend that would be above the poverty line for graduate students not receiving external funding. As well, I worked with various organizations to help get displaced Ukrainians (especially displaced graduate students) to Canada.
- *** JOSEPH-ARMAND BOMBARDIER CANADA GRADUATE SCHOLARSHIP** **2021–2024**
GOVERNMENT OF CANADA, Ottawa, ON
Awarded to highest scoring SSHRC recipients upon recommendation of applicant’s Faculty of Graduate Studies
- *** BOURSE DOCTORALE FRQSC – (DECLINED)** **2021–2024**
GOVERNEMENT DU QUÉBEC, Québec, QC
- **BEST STUDENT PAPER – DIAGRAMS 2020** **2020**
TALLINN UNIVERSITY OF TECHNOLOGY, Tallinn, Estonia
11th International Conference on the Theory and Application of Diagrams – My paper (“A Diagram of Choice”) received the best reviews of any submitted paper.
- *** DOCTORAL FELLOWSHIP** **2019–2023**
MCGILL UNIVERSITY, Montréal, QC
- **ALUMNI GRADUATE AWARD** **2018**
WESTERN UNIVERSITY, London, ON
- **CONGRESS 2018 TRAVEL AWARD** **2018**
UNIVERSITY OF REGINA, Regina, SK
- **SOCIETY OF GRADUATE STUDENTS TRAVEL AWARD** **2018**
WESTERN UNIVERSITY, London, ON
- **SOCIETY OF GRADUATE STUDENTS TRAVEL AWARD** **2017**
WESTERN UNIVERSITY, London, ON
- **PROVOST’S EXCELLENCE BURSARY** **2017**
WESTERN UNIVERSITY, London, ON
- *** DOCTORAL FELLOWSHIP** **2017–2021**
WESTERN UNIVERSITY, London, ON
Awarded on the basis of academic merit to top accepted PhD students

- GRADUATE THESIS RESEARCH AWARD**

○ **WESTERN UNIVERSITY, London, ON**
Visit to Poland's State Archives

2017
- PSAC₁₀ ACADEMIC ACHIEVEMENT SCHOLARSHIP**

○ **WESTERN UNIVERSITY, London, ON**
Public Service Alliance of Canada

2017
- SOCIETY OF GRADUATE STUDENTS TRAVEL AWARD**

○ **WESTERN UNIVERSITY, London, ON**

2016
- * CHAIR'S EXCELLENCE BURSARY**

○ **WESTERN UNIVERSITY, London, ON**
Awarded on the basis of academic merit to top accepted MPhil students

2016
- * MPhil FELLOWSHIP**

○ **WESTERN UNIVERSITY, London, ON**

2016–2017

PUBLICATIONS

ARTICLES.....

- (2020). “**THE AXIOM OF CHOICE AND THE ROAD PAVED BY SIERPIŃSKI**”, in *The Journal of the International Society for the History of Philosophy of Science*, vol. 10 (2).
- (2012). “**INVENTING LOGIC: THE LÖWENHEIM-SKOLEM THEOREM AND FIRST- AND SECOND-ORDER LOGIC**”, in *Pensées Canadiennes: Revue de philosophie des étudiants au baccalauréat du Canada*, vol. 10.
- (2012). “**WITTGENSTEIN AND THE LABYRINTH OF ‘ACTUAL INFINITY’: THE CRITIQUE OF TRANSFINITE SET THEORY**”, in *Ithaque: Revue de philosophie de l’Université de Montréal*, vol. 10.

BOOK CHAPTERS.....

- (2020). “**A DIAGRAM OF CHOICE: THE CURIOUS CASE OF WALLIS’S ATTEMPTED PROOF OF THE PARALLEL POSTULATE AND THE AXIOM OF CHOICE**” in *Diagrammatic Representation and Inference* (A. V. Pietarinen, et al. (eds.)). Springer Nature: Amsterdam, pp. 74–90.
- (2018). “**THE AXIOM OF CHOICE AS PARADIGM SHIFT : THE CASE FOR THE METHODOLOGICAL CRISIS IN THE FOUNDATIONS OF MATHEMATICS**”, in *Research in History and Philosophy of Mathematics* (Maria Zack and Dirk Schlimm (eds.)). Birkhäuser: Basel, pp. 141–155

FORTHCOMING.....

- “ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN’S LEMMA AND THE PATH NOT TAKEN”, accepted with revisions in *Review of Symbolic Logic*.
- “THE EVOLUTION OF CANTOR’S PROOFS OF THE NON-DENUMERABILITY OF \mathbb{R} ”, book chapter for *The Philosophy of Set Theory*, ed. Neil Barton.

CONFERENCES

INVITED TALKS.....

- **PHILOSOPHY OF SCIENCE COLLOQUIUM** **22 February, 2024**
UNIVERSITÄT WIEN, Vienna, Austria
TOWARDS A HISTORY OF MODEL THEORY: THE PRE-HISTORY OF MODEL THEORY
- **PERSPECTIVES ON LOGIC AND PHILOSOPHY II** **8 February, 2024**
UNIVERSITÄT WIEN, Vienna, Austria
ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN’S LEMMA AND THE PATH NOT TAKEN
- **LOGIC AND PHILOSOPHY OF SCIENCE SPEAKER SERIES** **8 December, 2023**
EÖTVÖS UNIVERSITY, Budapest, Hungary
THE EVOLUTION OF CANTOR’S PROOFS OF THE NON-DENUMERABILITY OF \mathbb{R}
- **ASL ANNUAL MEETING – SPECIAL SESSION** **7 April, 2022**
CORNELL UNIVERSITY, Ithaca, USA
THE EVOLUTION OF CANTOR’S PROOFS OF THE NON-DENUMERABILITY OF \mathbb{R}
- **CSHPM ONLINE COLLOQUIUM SERIES** **25 September, 2020**
SIMON-FRASER UNIVERSITY, Vancouver, BC (Held Online)
ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN’S LEMMA AND THE PATH NOT TAKEN

PEER-REVIEWED TALKS.....

- **SSHAP ANNUAL MEETING** **27–29 June, 2024**
WESLEYAN UNIVERSITY, Middletown, USA
TOWARDS A HISTORY OF MODEL THEORY: THE PRE-HISTORY OF MODEL THEORY
- **CSHPM ANNUAL MEETING – CONGRESS 2024** **15–17 June, 2024**
MCGILL UNIVERSITY, Montréal, QC
TOWARDS A HISTORY OF MODEL THEORY: THE PRE-HISTORY OF MODEL THEORY
- **CSHPM ANNUAL MEETING – CONGRESS 2022** **13–15 May, 2022**
Held Online
THE EVOLUTION OF CANTOR’S PROOFS OF THE NON-DENUMERABILITY OF \mathbb{R}

- PEOPLES, PLACES, AND PRACTICES – BSHM/CSHPM** **12–15 July, 2021**
 ○ *UNIVERSITY OF ST-ANDREWS, St-Andrews, Scotland (Held Online)*
 ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN’S LEMMA AND THE PATH NOT TAKEN
- 2020 MIDWEST PHILMATH WORKSHOP** **4 November, 2020**
 ○ *UNIVERSITY OF NOTRE-DAME, Notre-Dame, USA (Held Online)*
 ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN’S LEMMA AND THE PATH NOT TAKEN
- 7TH RENÉ DESCARTES LECTURES 2020** **14–16 October, 2020**
 ○ *UNIVERSITÄT TILBERG, Tilberg, The Netherlands (Held Online)*
 ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN’S LEMMA AND THE PATH NOT TAKEN
- LAKATOS’S UNDONE WORK** **5–6 September, 2020**
 ○ *LONDON SCHOOL OF ECONOMICS, London, United Kingdom (Held Online)*
 PROOFS AND OBJECTIONS: THE AXIOM OF CHOICE AS PROOF-GENERATED AXIOM
- DIAGRAMS 2020** **24–28 August, 2020**
 ○ *TALLINN UNIVERSITY OF TECHNOLOGY, Tallinn, Estonia (Held Online)*
 A DIAGRAM OF CHOICE: THE CURIOUS CASE OF WALLIS’S ATTEMPTED PROOF OF THE PARALLEL POSTULATE AND THE AXIOM OF CHOICE
- **ALL PRESENTATIONS FOR SPRING & SUMMER 2020 NOT HELD ONLINE CANCELLED DUE TO COVID-19.**
- HOPOS 2018** **9–12 July, 2018**
 ○ *RIJKSUNIVERSITEIT GRONINGEN, Groningen, The Netherlands*
 THE AXIOM OF CHOICE AND THE ROAD PAVED BY SIERPIŃSKI
- CSHPM ANNUAL MEETING** **4–8 June, 2018**
 ○ *UNIVERSITÉ DU QUÉBEC À MONTRÉAL, Montréal, QC*
 THE AXIOM OF CHOICE AND THE ROAD PAVED BY SIERPIŃSKI
- CPA ANNUAL MEETING** **4–7 June, 2018**
 ○ *UNIVERSITÉ DU QUÉBEC À MONTRÉAL, Montréal, QC*
 LE DÉBAT SUR L’AXIOME DU CHOIX: ZERMELO ET SIERPIŃSKI CONTRE LES SEMI-INTUITIONNISTES FRANÇAIS
- CSHPS ANNUAL MEETING — CONGRESS 2018** **26–28 May, 2018**
 ○ *UNIVERSITY OF REGINA, Regina, SK*
 LE DÉBAT SUR L’AXIOME DU CHOIX: ZERMELO ET SIERPIŃSKI CONTRE LES SEMI-INTUITIONNISTES FRANÇAIS
- CANADIAN MATHEMATICAL SOCIETY ANNUAL MEETING** **8–12 December, 2017**
 ○ *WATERLOO UNIVERSITY, Waterloo, ON*
 THE AXIOM OF CHOICE AND THE ROAD PAVED BY SIERPIŃSKI
- HILBERT IN CEE WORKSHOP – HAPoC 2017** **3–7 October, 2017**
 ○ *DEPARTMENT OF MATHEMATICS, MASARYKOVA UNIVERZITA, Brno, Czech Republic*

THE AXIOM OF CHOICE AND THE ROAD PAVED BY SIERPIŃSKI

- **FILMAT 2017** **13–14 July, 2017**
UNIVERSITÀ DEGLI STUDI DI TRENTO, Trento, Italy
THE AXIOM OF CHOICE AS PARADIGM SHIFT: THE CASE FOR THE METHODOLOGICAL CRISIS IN THE FOUNDATIONS OF MATHEMATICS
- **CSHPM ANNUAL MEETING – CONGRESS 2017** **28–30 May, 2017**
Ryerson University, Toronto, ON
THE AXIOM OF CHOICE AS PARADIGM SHIFT: THE CASE FOR THE METHODOLOGICAL CRISIS IN THE FOUNDATIONS OF MATHEMATICS
- **SSHAP ANNUAL MEETING** **8–10 May, 2017**
UNIVERSITY OF CALGARY, Calgary, AB
THE AXIOM OF CHOICE AS PARADIGM SHIFT: THE CASE FOR THE METHODOLOGICAL CRISIS IN THE FOUNDATIONS OF MATHEMATICS
- **INTERNATIONAL CONFERENCE 2400 ARISTOTLE** **25–26 November, 2016**
UNIVERSITATEA DIN BUCUREȘTI, Bucharest, Romania
WITTGENSTEIN AND ἀπειρον IN MATHEMATICS
- **WESTERN CANADIAN PHILOSOPHICAL ASSOCIATION** **28–30 October, 2016**
UNIVERSITY OF ALBERTA, Edmonton, AB
INVENTING LOGIC: THE LÖWENHEIM-SKOLEM THEOREM AND FIRST- AND SECOND-ORDER LOGIC
- **ENTIA ET NOMINA** **5–9 September, 2016**
UNIwersytet Warszawski, Warsaw, Poland
WITTGENSTEIN AND THE LABYRINTH OF ‘ACTUAL INFINITY’: THE CRITIQUE OF TRANSFINITE SET THEORY

PROFESSIONAL SERVICE

ORGANIZING COMMITTEE.....

- **BOARD MEMBER** **2024–Present**
CSHPM, Montréal, QC
- **PHILOSOPHY OF LOGIC, MATH AND PHYSICS GRADUATE CONFERENCE 2016–2018**
WESTERN UNIVERSITY, London, ON

UNIVERSITY COMMITTEES.....

- **PRESIDENT – PPSAMU (PHILOSOPHY GRADUATE ASSOCIATION)** **2022–2024**
McGILL UNIVERSITY, Montréal, QC
- **GRADUATE REPRESENTATIVE – DEPARTMENT OF PHILOSOPHY** **2020–2024**
McGILL UNIVERSITY, Montréal, QC
- **EQUITY AND CLIMATE COMMITTEE – DEPARTMENT OF PHILOSOPHY** **2020–Present**
McGILL UNIVERSITY, Montréal, QC

- **GRADUATE T.A. COORDINATOR – DEPARTMENT OF PHILOSOPHY** **2022–2023**
McGILL UNIVERSITY, Montréal, QC

FELLOWSHIPS.....

- **VIENNA CIRCLE INSTITUTE** **2023–2024**
UNIVERSITÄT WIEN , Vienna, Austria
- **WOLFE CHAIR IN SCIENTIFIC AND TECHNOLOGICAL LITERACY** **2023–2024**
McGILL UNIVERSITY , Montréal, QC
- **DIVERSITY OF MATHEMATICAL RESEARCH CULTURES AND PRACTICES** **2023–2025**
CIPSH CHAIR , Hamburg, Germany
- **DIVERSITY OF MATHEMATICAL RESEARCH CULTURES AND PRACTICES** **2023–2025**
CIPSH CHAIR , Hamburg, Germany
- **ROTMAN INSTITUTE** **2016–2019**
WESTERN UNIVERSITY, London, ON

PROFESSIONAL EXPERIENCE

- **McGILL UNIVERSITY** **Montréal, QC**
COURSE INSTRUCTOR — INTRODUCTION TO DEDUCTIVE LOGIC **2021–2022**
 - Truth tables, Fitch proofs, deductive reasoning, propositional and predicate (classical) logic;
 - Survey of proving soundness and completeness; topics in philosophy of logic (non-classical logics, methodological and philosophical ‘choices’ within classical logic);
 - Deliver 40 hours of lectures;
 - Design assignments on the Carnap.io platform;
 - Supervision of 5 Teaching Assistants;
 - Class size: 100 and 400 students.
- **McGILL UNIVERSITY** **Montréal, QC**
2022 — INTRO. TO DED. LOGIC & INTER. LOGIC **2019–Present**
 - INTRODUCTION TO DEDUCTIVE LOGIC: Truth tables, Fitch proofs, deductive reasoning, propositional and predicate (classical) logic;
 - INTERMEDIATE LOGIC: Set Theory, Completeness, primitive recursive functions, arithmetization of syntax, Incompleteness Theorems, Löb’s Theorem, Tarski’s Theorem;
 - Deliver conferences twice weekly;
 - Grading Exams;
 - Office hours and tutoring.

- **MCGILL UNIVERSITY** **Montréal, QC**
TEACHING ASSISTANT — *PHILOSOPHY OF LAW* 2022
- Natural vs. Positive Law in Historical Perspective (Aquinas to Hart);
 - Civil Disobedience (including Marxist and Feminist Perspectives on Law, as well as Decolonization)
 - Deliver conferences twice weekly;
 - Grading Exams.
- **WESTERN UNIVERSITY** **London, ON**
TEACHING ASSISTANT — *BASIC LOGIC AND INTRODUCTION TO LOGIC* 2016–2018
- Truth tables, truth trees, natural deduction, propositional and predicate logic, classic, intuitionistic and modal logic, set theory;
 - Grading exams;
 - Office hours and tutoring students;
 - Replacing Professor when away.
- **MONTREAL GENERAL HOSPITAL — MUHC** **Montréal, QC**
UNIT COORDINATOR — *ON CALL + PERM. AT THE INTENSIVE CARE UNIT* 2008–2014
- Opening and closing of patient files;
 - Unit manager;
 - Orders of laboratory tests, X-rays, CT scans and MRIs;
 - Coordination of inter- and intra-hospital movement of patients and equipment;
 - Essential communication between doctors, residents, and nurses.
- **FECOFUN** **Kathmandu, Nepal**
RESEARCH ASSISTANT 2008
- Research on carbon credit accreditation processes for small organisations of community forest users groups;
 - Preparation and writing of World Bank grant proposal (bio-briquette project).
- **RARA AVIS PRIVATE ECO-RESERVE** **Las Horquetas, Costa Rica**
NATURALIST 2007
- Interpretation and dissemination of various ecological concepts;
 - Tropical ecology (flora and fauna), and comparative ecology;
 - Participation in various alternative sustainable development projects;
 - Assistant to on-site biological research.

REFERENCES

- **JOHN LANE BELL** **jbell@uwo.ca**
UNIVERSITY OF WESTERN ONTARIO, London, ON
MPhil Supervisor
- **ROBERT DiSALLE** **rdisalle@uwo.ca**
UNIVERSITY OF WESTERN ONTARIO, London, ON
MPhil Committee
- **MICHAEL HALLETT** **michael.hallett@mcgill.ca**
McGILL UNIVERSITY, Montréal, QC
Doctoral Thesis Supervisor
- **DIRK SCHLIMM** **dirk.schlimm@mcgill.ca**
McGILL UNIVERSITY, Montréal, QC
Doctoral Thesis Supervisor