

VALÉRIE LYNN THERRIEN

PHD STUDENT – 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
Supervisors: Michael Hallett and Dirk Schlimm
MODELS OF MATHEMATICS: A TALE OF TWO LOGICS
In Progress
- **PhD – Philosophy of Mathematics** **2017-2018**
WESTERN UNIVERSITY, London, ON
Supervisor: John L. Bell
Incomplete
- **MPhil – Philosophy of Mathematics** **2016-2017**
WESTERN UNIVERSITY, London, ON
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
95%
- **Baccalauréat ès Arts en Philosophie** **2005–2015**
UNIVERSITÉ DE MONTRÉAL, Montréal, QC
Dean's List
Certificate in Russian Studies
INVENTING LOGIC: THE LÖWENHEIM-SKOLEM PARADOX AND FIRST- AND SECOND-ORDER LOGIC
3.842 GPA

CERTIFICATES

- **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

- **Graduate Summer School on “Metaphysics and Modernity”** **2012**
OTTO FRIEDRICH UNIVERSITÄT BAMBERG , Bamberg, Germany
 With Saul Kripke
 Only undergraduate student admitted

AWARDS

- **JOSEPH-ARMAND BOMBARDIER CANADA GRADUATE SCHOLARSHIP** **2021-2024**
GOVERNMENT OF CANADA, Ottawa, ON
- **BOURSE DOCTORALE FRQSC – (DECLINED)** **2021-2024**
GOUVERNEMENT 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
- **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 BURSAY** **2017**
WESTERN UNIVERSITY, London, ON
- **DOCTORAL FELLOWSHIP** **2017-2021**
WESTERN UNIVERSITY, London, ON
- **GRADUATE THESIS RESEARCH AWARD** **2017**
WESTERN UNIVERSITY, London, ON
 Visit to Poland’s State Archives
- **PSAC10 ACADEMIC ACHIEVEMENT SCHOLARSHIP** **2017**
WESTERN UNIVERSITY, London, ON
 Public Service Alliance of Canada
- **SOCIETY OF GRADUATE STUDENTS TRAVEL AWARD** **2016**
WESTERN UNIVERSITY, London, ON

- **CHAIR'S EXCELLENCE BURSAY** 2016
○ *WESTERN UNIVERSITY, London, ON*
- **MPhil FELLOWSHIP** 2016-2017
○ *WESTERN UNIVERSITY, London, ON*

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".
- "PROOFS AND OBJECTIONS: THE AXIOM OF CHOICE AS PROOF-GENERATED AXIOM".

CONFERENCES

INVITED TALKS

- **CSHPM ONLINE COLLOQUIUM SERIES** **25th of September, 2020**
SIMON-FRASER UNIVERSITY, Vancouver, BC (Held Online)
ON COUNTING AS MATHEMATICAL PROGRESS: KURATOWSKI-ZORN'S LEMMA AND THE PATH NOT TAKEN

CONTRIBUTED TALKS

- **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** **4th of 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** **5-6 September, 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 AND SUMMER 2020 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
- **SHAP 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 ἄπειρον 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.....

- **PHILOSOPHY OF LOGIC, MATH AND PHYSICS GRADUATE CONFERENCE 2016-2018**
WESTERN UNIVERSITY, London, ON

UNIVERSITY COMMITTEES.....

- **GRADUATE REPRESENTATIVE – DEPARTMENT OF PHILOSOPHY** 2020-Present
McGILL UNIVERSITY, Montréal, QC
- **EQUITY AND CLIMATE COMMITTEE – DEPARTMENT OF PHILOSOPHY** 2020-Present
McGILL UNIVERSITY, Montréal, QC

MEMBERSHIP.....

- **ROTMAN INSTITUTE** 2016-2019
WESTERN UNIVERSITY, London, ON

PROFESSIONAL EXPERIENCE

- **McGILL UNIVERSITY** Montréal, QC
COURSE INSTRUCTOR – INTRODUCTION TO DEDUCTIVE LOGIC 2021
 - Truth tables, Fitch proofs, deductive reasoning, propositional and predicate (classical) logic;
 - Deliver 40 hours of lectures;
 - Design assignments on the Carnap.io platform;
 - Receiving students.
- **McGILL UNIVERSITY** Montréal, QC
TEACHING ASSISTANT – 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;
 - Receiving students and tutoring.
- **ST. GEORGES ELEMENTARY** Westmount, QC
STUDENT INTEGRATION AGENT 2019
 - Assisting in behavioural, social and intellectual development;
 - Following closely a student experiencing difficulty;
 - Intervening in a classroom setting;
 - Developing independent learning and coping strategies.
- **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;
- Receiving students and tutoring;
- Replacing Professor when away.

MONTREAL GENERAL HOSPITAL – MUHC

Montréal, QC

○ **UNIT COORDINATOR – ON CALL WITH PTP 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, nurses, patients and family members.

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.

DAWSON COLLEGE

Westmount, QC

○ **ADMINISTRATIVE AGENT CLASS II**

2001-2008

- Admission services;
- Customer service;
- General office work;
- Supervision of student employees.

LANGUAGES

- **FRENCH – FLUENT**
- **ENGLISH – FLUENT**
- **POLISH – INTERMEDIATE**
- **SPANISH – INTERMEDIATE**
- **LATIN – INTERMEDIATE**
- **RUSSIAN – BASIC**

REFERENCES

- **JOHN LANE BELL**
- **ROBERT DiSALLE**
- **MICHAEL HALLETT**
- **DIRK SCHLIMM**