

# AMIR KIANI – CURRICULUM VITAE

## CONTACT

---

Email: [mathelogics1939@gmail.com](mailto:mathelogics1939@gmail.com)

Website: <https://profiles.ucalgary.ca/amirhossein-kiani>

## EDUCATION

---

1. PhD in Philosophy, *University of Calgary*, Calgary, Alberta, Canada 2023
2. MA in Philosophy, *University of Tartu*, Tartu, Estonia, (*cum laude*) 2019  
Thesis: Perception, Abductive Methodology, and Compositional Universalism  
Supervisor: Juhani Yli-Vakkuri
3. BSc in Mathematics and Applications, *Amirkabir University of Technology*, Tehran, Iran 2017  
Thesis: Logics for Coalgebras, and a Final Coalgebra Theorem (written in Persian)  
Supervisor: Massoud Pourmehdian

## RESEARCH AREAS

---

### AREAS OF SPECIALIZATION

Metaphysics, Logic, Philosophy of Language

### AREAS OF COMPETENCE

Logic, General and IT Ethics, Philosophy of AI

## PUBLISHED PAPERS

---

1. Structured propositions and a semantics for unrestricted impure logics of ground, *Synthese*, 2023

## WORK IN PROGRESS OR UNDER REVIEW

---

1. What is the ‘Correct’ Ramified Theory of Types?
2. Russellian Presuppositions, Vicious Circle Principles and Ramified Type Theory,
3. Ramified Types and Metaphysical Structure,
4. Ramification and Ground: Towards a Unified Predicative Solution to Puzzles of Quantificational Ground,
5. A Puzzle of Quantificational Aboutness
6. Does Sider’s Logical Fundamentalism Endanger Immediate Ground?
7. Categoricality and Type-Insensitive Relations: Towards Polymorphic Metaphysics and Beyond
8. Propositions as Types: Revisiting the Question of Logical Fundamentalism

## RESEARCH EXPERIENCE

---

1. Research Assistant, Project: Expertise and Fundamental Controversy in Philosophy and Science – MOBT45, Supervisor: Bryan Frances, University of Tartu July-August 2018 & March-June 2019<sup>1</sup>

## TEACHING EXPERIENCE

---

### DEPARTMENT OF PHILOSOPHY, UNIVERSITY OF CALGARY

1. Teaching Assistant for *Information Technology Ethics* (PHIL 314), Reid Buchanan Fall 2023
2. Main Instructor for *Logic I* (PHIL 279), Online Teaching (Zoom), Class Size: 62 Spring 2022
3. Teaching Assistant for *Information Technology Ethics* (PHIL 314), Reid Buchanan Winter 2022
4. Teaching Assistant for *Logic I* (PHIL 279), Gillman Payette Summer 2021
5. Teaching Assistant for *Logic I* (PHIL 279), Richard Zach Winter 2021
6. Teaching Assistant for *Logic I* (PHIL 279), Richard Zach Winter 2020
7. Teaching Assistant for *Minds and World* (PHIL 395), David Liebseman Fall 2019

### DEPARTMENT OF PHILOSOPHY, UNIVERSITY OF TARTU

3. Main Instructor for *Modal Logics: A Semantic Perspective*<sup>2</sup> (FLFI.04.076), Graduate Level Spring 2018

## HONORS AND AWARDS

---

1. Alberta Graduate Excellence Scholarship (AGES) - International (CA\$15000) 2021
2. Department of Philosophy Graduate Essay Award (CA\$2500) 2021
3. Alberta Graduate Excellence Scholarship (AGES) - International (CA\$15000) 2019
4. Full Funding Package (4 years) - CA\$30000/Year 2019-2023  
Graduate Research Assistance Grant, University of Calgary - CA\$10000/Year,  
Teaching Assistance Grant and International Fee Differential - CA\$20000/Year,
5. The Best MA Thesis Prospectus of The Year Award, Department of Philosophy, University of Tartu 2018
6. Tuition Waiver Scholarship, University of Tartu (CA\$6300/Year) 2017 & 2018
7. DoraPlus Scholarship, University of Tartu (CA\$5700/Year) 2017 & 2018
8. Achievement Stipend, University of Tartu 2018
9. Excellence Scholarship for Travel and Accommodation, University of Tartu 2018

## ACADEMIC ACTIVITIES

---

### PRESENTATIONS

1. Structured Propositions and a Semantics for Unrestricted Impure Logics of Ground, *World Logic Day in AB and BC*, University of Calgary, Canada Jan 2023
2. A Consistent Proof Theory for Ramified Types, with Applications in Philosophy, *GSCL XXII - The 22nd annual Graduate Student Conference in Logic* (Online), University of Illinois at Urbana-Champaign March 2021

---

<sup>1</sup>These were during my studentship at the University of Tartu, and included contracts and paid work.

<sup>2</sup>This was part of the practicum of my MA program – I was not officially employed or paid for the job.

3. Substitution Structures, Intensionality and Hyperintensionality, Univ. of Calgary, Canada December 2019
4.  $\aleph_0$ -Valued Logics and Vagueness, *Summer Camp in Philosophy*, Tartu, Estonia June 2018
5. How Do Ordinary People Think of Meaning? Towards Finding Essential Properties of Meaningful Structures in Natural Languages: A Survey Report, *The Third Student Conference of Philosophy*, Tehran, Iran (Co-presented with Pinar Emre) November 2016
6. Phonetic Sensitivity by Individuals Having Different Degrees of Autistic Traits, *Labphon 15, Satellite conference on Personality in Speech*, Ithaca, NY, USA (Co-presented with Falahati, Salarifar) July 2016
7. Frege's Sense and Reference, *13th Public Seminar of the Logic Group*, Amirkabir University of Technology, Tehran, Iran February 2014

## SUMMER SCHOOLS, WORKSHOPS AND CONFERENCES ATTENDED

1. First International Workshop on Oriental Logic (online), *Institute for Interdisciplinary Research in Fundamental Sciences (IRFS)*, *Logic and Religion Association (LARA)* and *Logic Association of Malaysia (PMM)*, August 2021
2. Logic, Quantum Computing, and Artificial Intelligence (online), *Institute for Interdisciplinary Research in Fundamental Sciences (IRFS)*, in collaboration with multiple other international organizations July 2021
3. First Annual Spring School of the Iranian Association of Logic (online), *Institute of Research in Fundamental Sciences (IPM)*, Tehran, Iran May 2021
4. Hamburg Summer School on the Hyperintensional Revolution, *University of Hamburg*<sup>3</sup>, Germany July 2020
5. Workshop on Disagreement in Inquiry, *University of Tartu*, Tartu, Estonia December 2018
6. Frege Lectures (Timothy Williamson—Oxford), *University of Tartu*, Tartu, Estonia September 2018
7. Humboldt Workshop in the Philosophy of Language and Logic, *Humboldt University*, Germany July 2018
8. Workshop on Modal Logic and its Application in Computer Science (Yde Venema—ILLC), *University of Tehran*, Iran September 2016
9. Workshop on Various aspects of Modality (Thomas Studer—Bern), *IPM*, Isfahan, Iran May 2016
10. Conference on Model Theory and Set Theory, *IPM*, Tehran, Iran October 2015
11. 2nd-4th Annual Conference of Iranian Association for Logic, Iran 2014-2016

## MEMBERSHIPS

- 
- |  |           |
|--|-----------|
| 1. The Reading Group on Higher-Order Logic, <i>Australian Catholic University</i>      | 2020-2021 |
| 2. The IT and AI Ethics Reading Group, <i>University of Calgary</i>                    | 2020-2023 |
| 3. The Machine Intelligence and AI Safety Reading Group, <i>Tartu University</i>       | 2017-2019 |
| 4. Research Group in Expertise and Fundamental Controversy, <i>University of Tartu</i> | 2018-2019 |
| 5. The Iranian Association of Logic, Tehran, Iran                                      | 2015-2016 |
| 6. Logic Group, <i>Amirkabir University of Technology</i>                              | 2014-2016 |

## LANGUAGES

### NATURAL

1. Persian – native
2. Kurdish (southern accent) – native
3. English – professional
4. Arabic (classic) – intermediate
5. German – Basic

---

<sup>3</sup>Due to the Coronavirus global pandemic in 2020, the Summer School was held online.

## ARTIFITIAL

1. Various kinds of logical systems and languages
2. Python (PyTorch, TensorFlow, HuggingFace, Scikit-learn, Numpy, Pandas, Matplotlib, Seaborn, Plotly)
3. Java
4. VBA
5. SQL
6. LaTeX

## SOCIAL NETWORK

---

ResearchGate: [researchgate.net/profile/Amirhossein.Kiani](https://researchgate.net/profile/Amirhossein.Kiani)

Academia.edu: [ucalgary.academia.edu/AmirhosseinKiani](https://ucalgary.academia.edu/AmirhosseinKiani)