Amir Kiani – Curriculum Vitae

Contact

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Education

1. PhD in Mathematical Philosophy and Logic, *University of Calgary*, Calgary, Alberta, Canada ⟶ 2023

2. MA in Philosophy and AI, *University of Tartu*, Tartu, Estonia, (*cum laude*) ⟶ 2019
   Thesis: Perception, Abductive Methodology, and Compositional Universalism
   Supervsior: 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)
   Supervsior: Massoud Pourmahdian

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 Quanticational Aboutness
6. Does Sider's Logical Fundamentalism Endanger Immediate Ground?
7. Categorematicity 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 – MOBTT45, Supervisor: Bryan Frances, University of Tartu   July-August 2018 & March-June 2019[1]

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*[2] (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

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[1] These were during my studentship at the University of Tartu, and included contracts and paid work.
[2] 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*[3], 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, *Australian Catholic University*   2020-2021

2. The IT and AI Ethics Reading Group, *University of Calgary*   2020-2023

3. The Machine Intelligence and AI Safety Reading Group, *Tartu University*   2017-2019

4. Research Group in Expertise and Fundamental Controversy, *University of Tartu*   2018-2019

5. The Iranian Association of Logic, Tehran, Iran   2015-2016

6. Logic Group, *Amirkabir University of Technology*   2014-2016

Languages

Natural

1. Persian – native

2. Kurdish (southern accent) – native

3. English – professional

4. Arabic (classic) – intermediate

5. German – Basic

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[3]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 Netweork

ResearchGate: `researchgate.net/profile/Amirhossein_Kiani`
Academia.edu: `ucalgary.academia.edu/AmirhosseinKiani`