

Curriculum Vitae (January 2024)

이찬우 / Chanwoo Lee

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Areas of Specialization: Philosophy of Mathematics, Philosophy of Science, Metaphysics

Areas of Competence: Logic/Philosophy of Logic, Applied Ethics

EDUCATION

Ph.D. candidate, Philosophy, University of California, Davis, 2018-present

- Dissertation project: Category-theoretic Structuralism as a Foundation of Mathematics (Primary Advisor: Elaine Landry)

M.A., Philosophy, Seoul National University, 2015-2017

- Thesis: 술어 함자 논리의 ‘존재론적 무죄’ (Predicate Functor Logic's ‘Ontological Innocence’) (Primary Advisor: Sungil Han)

B.A. cum Laude, Philosophy (minors: Brain-Mind-Behavior, Computer Science and Engineering, Linguistics), Seoul National University, 2015

PUBLICATIONS

(Forthcoming) “From Indeterminacy in a Fundamental Theory to Fundamental Indeterminacy?” *Analytic Philosophy*, Available Online

(2023) “What Analytic Metaphysics Can Do for Scientific Metaphysics.” *Ratio* 36 (3)

(2022) “The Structuralist Approach to Underdetermination.” *Synthese* 200 (2)

HONORS AND AWARDS

APA Graduate Stipend (2022, 2023)

UC Davis Graduate Student Association Travel Award (2023)

UC Davis Graduate Studies Travel Award (2021)

NSF Travel Grant (2021)

Dean's Graduate Summer Fellowship Award, College of Letters and Science, UC Davis (2021)

Provost's Fellowship in the Arts, Humanities and Social Sciences, UC Davis (2018-2019)

Initiative for College of Humanities' Research and Education Funding (Masters), Seoul National University (Spring, Fall 2016)

Woosan Foundation Scholarship (2015-2016)

Myungkyung Bachelor of Art Thesis Prize (2014)

Inchon Memorial Foundation Scholarship (2012-2013)

Seongnam Scholarship for College Students (2009)

SELECTED PRESENTATIONS (*: online)

“Category Theory as an Explanatory Foundation”

- 5 January 2024, Joint Mathematics Meetings: AMS Special Session on Mathematics and Philosophy, San Francisco
- 5 November 2023, Midwest PhilMath Workshop, University of Notre Dame

“Metaphysical Perspicuity”

- 11 August 2023, 8th Annual Conference of the Society for the Metaphysics of Science, Dalhousie University

“Conceptions of a Foundation in Mathematics”

- 27 September 2023, Philosophy Colloquium Series, California State University, Chico [Invited]
- 24 February 2023, Central APA Colloquium, Denver

“When Structuralism Meets Inferentialism”

- 6 April 2023, Pacific APA Colloquium, San Francisco
- 24 June 2022, Annual Conference of the Australasian Association of Logic *

“More Philosophies by Less Philosophy when the Practice doesn't Settle Philosophy”

- 11 November 2022, The 28th Biennial Meeting of the Philosophy of Science Association Poster Session, Pittsburgh
- 29 June 2022, Annual Conference for the Korean Society of Philosophy of Science *
- 15 April 2022, Pacific APA Poster Session, Vancouver

- 31 October 2021, The Philosophy Exchange Philosophy of Science Graduate Conference: Theory and Practice, London School of Economics and Political Science *

“Foundation as Scaffolding”

- 14 May 2022, Annual Meeting of the Canadian Society for History and Philosophy of Mathematics *

“Why Shopping at a Supermarket May be Worse than Killing an Animal”

- 15 January 2022, Students Conference on Animal Ethics, Tierethiknetzwerk *

“The Chasm Between Scientific and Analytic Metaphysics? A Case Study: Ontic Structural Realism Versus Ontological Nihilism”

- 12 November 2021, The 27th Biennial Meeting of the Philosophy of Science Association, Baltimore
- 7 November 2019, 5th Annual Conference of the Society for the Metaphysics of Science, University of Toronto
- 11 October 2019, 4th Johns Hopkins University Graduate Philosophy Conference
- 10 August 2018, 4th Conference on Contemporary Philosophy in East Asia, National Chengchi University
- 12 July 2018, Annual Conference for the Korean Society of Philosophy of Science, Korea National University of Education

“What Relativity Consistency Proofs Do Not Necessarily Mean”

- 12 November 2021, The 27th Biennial Meeting of the Philosophy of Science Association Poster Session, Baltimore
- 3 March 2021, The University of Waterloo's 28th Annual Philosophy Graduate Conference *

“Fundamental Indeterminacy?”

- 9 October 2020, The 74th Mountain-Plains Philosophy Conference, Weber State University *

“Intertranslatability and Ground-equivalence Between Logics”

- 25 June 2021, 20th Philosophy of Logic, Mathematics, and Physics Graduate Conference, Western University *
- 19 September 2020, Australasian Postgraduate Philosophy Conference, University of Adelaide *
- 24-28 August 2020, The 10th European Congress of Analytic Philosophy, Utrecht University *

“McMahn's Bitter Thought Argument Reconsidered”

- 10 May 2019, Princeton Graduate Workshop on Population Ethics, Princeton University

“Can We Write the Book of the World?”

- 26 May 2018, Korean Society for Analytic Philosophy Spring Conference, Seoul National University

“Predicate Functor Logic's 'Ontological Innocence’”

- 13 July 2017, The 15th Asian Logic Conference, National Institute for Mathematical Sciences
- 2 June 2017, The 5th Seoul Philosophy Graduate Conference, Yonsei University

COMMENTARIES

- On Sabrina Hao's "What Are Scientists Talking About When They Talk About Particles?", 8th Annual Conference of the Society for the Metaphysics of Science, Dalhousie University, 11 August 2023
- On Aglaia von Götz's "How to Count to One and a Half", Berkeley-Stanford-Davis Graduate Conference, Stanford University, 29 April 2023
- On Shmuel Gomes' "Is Consciousness Required for Moral Standing?", 15th Annual Rocky Mountain Ethics Congress, University of Colorado, Boulder, 14 August 2022 *
- On Tyler Millhouse's "Compressibility and the Reality of Patterns", 5th Annual Conference of the Society for the Metaphysics of Science, University of Toronto, 7 November 2019
- On Thomas Park's "The Location of Pain as Evidence for Its Representational Status", The 6th Workshop of Korean Society for Analytic Philosophy Graduate Student Division, Chung-Ang University, 16 September 2017
- On Tsugita Shun's "On the Fulfillment Conditions of Basic Desire", The 3rd workshop of Korean Society for Analytic Philosophy Graduate Student Division, Yonsei University, 27 February 2016

IN-HOUSE TALKS (UC Davis)

- 14 October 2022. "Category Theory as an Explanatory Foundation", LLEMMMa
- 10 June 2022. "More Philosophies by Less Philosophy when the Practice doesn't Settle Philosophy", Biolab *
- 3 December 2021. "Reformulating the Metaphysical Underdetermination Argument for Ontic Structural Realism", LLEMMMa
- 30 September 2021. "Indeterminacy in a Fundamental Theory to Fundamental Indeterminacy?", MENTaL
- 29 March 2021. "Metaphysical Perspicuity", LLEMMMa *
- 2 November 2020. "Top-Down Metasemantics for Logic", LLEMMMa *
- 25 August 2020. "Against the Magnetic Solution to the Substantivity Problem in Metaontology", LLEMMMa *
- 6 December 2019. "What Relativity Consistency Proofs Do Not Necessarily Mean", LLEMMMa
- 26 April 2019. "McMahn's Bitter Thought Argument Reconsidered", DaGERS
- 1 March 2019. "Predicate Functor Logic's 'Ontological Innocence'", LLEMMMa

TEACHING

University of California, Davis (Primary Instructor)

- Appraising Scientific Reasoning: Summer 2022, 2023
- Ethical and Social Problems in Contemporary Society: Fall 2023
- Introduction to Philosophy: Spring 2023

University of California, Davis (Teaching Assistant)

- Critical Reasoning: Winter 2020
- Ethical and Social Problems in Contemporary Society: Spring 2022
- Introduction to Bioethics: Fall 2022
- Introduction to Philosophy: Spring 2020
- Introduction to Philosophy of Biology: Spring 2021, Winter 2023
- Introduction to Philosophy of Science: Winter 2021
- Introduction to Symbolic Logic: Fall 2020
- Minds, Brains, Computers: Fall 2019
- Scientific Reasoning: Fall 2021, Winter 2022

Seoul National University (Teaching Assistant)

- Understanding Western Philosophy: Fall 2015, Spring 2016

Non-university

- Instructor [Logic, Philosophy, Academic debate and writing], Nobilis Education: 2017-2018
- Instructor [Cognitive science], Cognitive Science Camp at Daewon Foreign Language High School: January 2016

PROFESSIONAL AND LEADERSHIP EXPERIENCE

Organizer, 'Ask a Philosopher' booth on UC Davis Picnic Day: 2022-2023

Graduate co-coordinator, Davis Philosophy Extravaganza (DEX) Conference: April 2022

Judge, California Regional Intercollegiate Ethics Bowl: December 2020

Graduate student researcher, Database development for a computer-graded logic course, UC Davis: Summer 2020

President, Korean Society for Analytic Philosophy Graduate Student Division: 2016-2018

Co-organizer, Seoul Philosophy Graduate Conference: 2017, 2018

Organizer, The Biannual Workshop of Korean Society for Analytic Philosophy Graduate Student Division: Fall 2017, Spring 2018

Chairperson, The Graduate Student Council of the Western Philosophy Majors, Department of Philosophy, Seoul National University: Spring-Summer 2016

Co-organizer and the Student co-representative, The 10th BESETO (Beijing-Seoul-Tokyo) Conference of Philosophy, March 2016

Research assistant, Developing a python-based solution for the digitization of Gwamun Buddhist literature (NRF-2011-322-A00030), Institute of Philosophy, Seoul National University: 2013

Active duty service member, Republic of Korea Army: 2009-2011

GRADUATE COURSEWORK

University of California, Davis

Advanced Logic (Non-Classical Metalogic for Non-Classical Logics): Rohan French

Ethics (The Ethics of Future People): Tina Rulli

History of Philosophy (Aristotle on Truth, Truth Bearers, and the Principle of Non-Contradiction): Jan Szaif

Metaphysics (Vagueness and Metaphysical Indeterminacy): Cody Gilmore

Philosophy of Mind (Perception): Zoe Drayson

Philosophy of Science (Mathematical Structuralism): Elaine Landry

Proseminar I (Survey of Philosophical Concepts and Methods): Bernard Molyneux

Proseminar II (Philosophy of Biology): Roberta Millstein

Theory of Knowledge (Bayesian Epistemology): Hanti Lin

Seoul National University

Problems of Contemporary Western Philosophy (Universals): Hwan Sunwoo [*Department of Philosophy, Yonsei University*]

Seminar in History of Philosophy (The Fragmentation of Being): Kris McDaniel

Seminar in Modern Western Philosophy (Study on Kant's Transcendental Apperception): Ji-Young Kang

Seminar in Modern Western Philosophy (The Metaphysics of Causation): Sukjae Lee

Seminar in Ontology (Reading of Nietzsche's *Beyond the Good and the Evil*): ChanKook Park

Studies in Philosophy of Mind (Belief and Intentionality): Hongwoo Kwon

Seminar in Philosophy of Language (The Nature of the Proposition): Jinho Kang

Seminar in Philosophy of Logic (Existence and Essence): Sungil Han

Seminar in Philosophy of Science (Understanding Scientific Reasoning): In-Rae Cho

Seminar in Theory of Knowledge (Problems in Epistemology): Kihyeon Kim

Studies in Information Processing: Hyeongsaeng Park [*Interdisciplinary Program in Cognitive Science, Seoul National University*]