

## *Curriculum Vitae* (November 2025)

### 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

## ACADEMIC APPOINTMENTS

Assistant Professor, Dasan University College, Ajou University, 2025.03 –

Lecturer, Chung-Ang University / Seoul National University / Sungkunkwan University, 2024.09 –  
2025.02

## EDUCATION

Ph.D., Philosophy, University of California, Davis, 2018 – 2024

- Dissertation: Category-theoretic Structuralism as a Foundation of Mathematics  
[Committee: Elaine Landry (Primary Advisor), Rohan French, David Glick, Hanti Lin, Jean-Pierre Marquis]

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) “Category Theory as an Explanatory Foundation.” *Synthese*, In Press
- (2025) 「과학적 형이상학에 대한 도전과 응답 (In Defense of Scientific Metaphysics)」 『과학철학 (The Korean Journal for the Philosophy of Science)』 28 (3): 93-122
- (2025) “Intertranslatability and Ground-equivalence.” *Erkenntnis* 90 (2): 3029–3047
- (2025) 「인류 존속에 대한 논의는 한국인의 존속에 대해 무엇을 말해주는가? (The Continuation Of Korean People In Light Of The Continuation Of The Humanity?)」 『철학논집 (Sogang Journal of Philosophy)』 82: 65-99
- (2025) “From Indeterminacy in a Fundamental Theory to Fundamental Indeterminacy?” *Analytic Philosophy* 66 (1): 84-96
- (2023) “What Analytic Metaphysics Can Do for Scientific Metaphysics.” *Ratio* 36 (3): 192-203
- (2022) “The Structuralist Approach to Underdetermination.” *Synthese* 200: Article 108

## SELECTED PRESENTATIONS (\*: online)

### “When the Practice Doesn’t Settle Philosophy”\*

29 November 2025, Workshop on the Metaphysics of Science, Institute of Philosophy, Chinese Academy of Sciences / 11 November 2022, 28<sup>th</sup> Biennial Meeting of PSA 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, The London School of Economics and Political Science \*

### “Inferentialism form the Scientific Languages”

23 October 2025. 6<sup>th</sup> Taiwan Philosophical Logic Colloquium, National Taiwan University

### “Structuralism as an Explanatory Thesis”

17 July 2025. AI, Logic, Language, and Epistemology Workshop, Yonsei University

### “A Lakatosian Against Stance”

1 July 2025, 10<sup>th</sup> Annual Conference of the Society for the Metaphysics of Science, Università della Svizzera italiana / 3 January 2025, The Institute For Philosophy and Liberal Arts, Sungkyunkwan University

### “Does ‘Free Will’ Describe Free Will?”

31 May 2025, The Interdisciplinary Conference on Experiments and Concepts, Pusan National University

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\* Also presented under the title “More Philosophies by Less Philosophy when the Practice doesn’t Settle Philosophy.”

“Metaphysical Perspicuity”

15 November 2024, 29<sup>th</sup> Biennial Meeting of PSA, New Orleans / 23 February 2024, Central APA Poster Session, New Orleans / 11 August 2023, 8<sup>th</sup> Annual Conference of the Society for the Metaphysics of Science, Dalhousie University

“Category Theory as an Explanatory Foundation”

5 November 2024, 14<sup>th</sup> Disputatio Workshop, Kyungnam University / 21 March 2024, Pacific APA Colloquium, Portland / 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

“How We Learned to Stop Worrying and Love ‘Model’ in Mathematics”

30 August 2024, 9<sup>th</sup> Annual Conference of the Society for the Metaphysics of Science \*

“When Structuralism Meets Inferentialism”

21 August 2024 Korean Society for Analytic Philosophy Summer Conference, Hankuk University of Foreign Studies / 6 April 2023, Pacific APA Colloquium, San Francisco / 24 June 2022, Annual Conference of the Australasian Association of Logic \*

“Model-theoretic Inferentialism”

13 August 2024, Korean Association for Logic Summer Conference, Yonsei University

“Conceptions of a Foundation in Mathematics”

27 September 2023, Philosophy Colloquium Series, California State University, Chico / 24 February 2023, Central APA Colloquium, Denver / 14 May 2022, Annual Meeting of the Canadian Society for History and Philosophy of Mathematics \*

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

12 November 2021, 27<sup>th</sup> Biennial Meeting of PSA, Baltimore / 7 November 2019, 5<sup>th</sup> Annual Conference of the Society for the Metaphysics of Science, University of Toronto / 11 October 2019, 4<sup>th</sup> Johns Hopkins University Graduate Philosophy Conference / 10 August 2018, 4<sup>th</sup> 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 27<sup>th</sup> Biennial Meeting of PSA Poster Session, Baltimore / 3 March 2021, The University of Waterloo's 28<sup>th</sup> Annual Philosophy Graduate Conference \*

“Intertranslatability and Ground-equivalence Between Logics”

25 June 2021, 20<sup>th</sup> 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 10<sup>th</sup> European Congress of Analytic Philosophy, Utrecht University \*

## “Fundamental Indeterminacy?”

9 October 2020, The 74<sup>th</sup> Mountain-Plains Philosophy Conference, Weber State 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 / 10 March 2018, The 7th Workshop of Korean Society for Analytic Philosophy Graduate Student Division, Seoul National University

## “Predicate Functor Logic's 'Ontological Innocence’”\*

13 July 2017, The 15<sup>th</sup> Asian Logic Conference, National Institute for Mathematical Sciences / 2 June 2017, The 5<sup>th</sup> Seoul Philosophy Graduate Conference, Yonsei University / 15 May 2017, Veritas Research Center Research Seminar, Yonsei University

## COMMENTARIES

- On Fabio Ceravolo’s “The Parallel Between Analytic Metaphysics and Pure Mathematics. What’s to be Learned?” Workshop on the Metaphysics of Science, Institute of Philosophy, Chinese Academy of Sciences, 29 November 2025
- On Seungrak Choi’s “What is Classical Reasoning in a Natural Deduction System?”. The Unified Congress of Korean Philosophers, Jeonbuk National University, 25 October 2025 \*
- On Alastair Wilson’s “Explanations of and in Worlds”. 10<sup>th</sup> Annual Conference of the Society for the Metaphysics of Science, Università della Svizzera italiana, 2 July 2025
- On HyeJeong Han’s “AI Researchers, Experimenters, and an Activity-centric Approach to Persuasion”. Sungkyunkwan University, 27 June 2025
- On Sabrina Hao’s “What Are Scientists Talking About When They Talk About Particles?”, 8<sup>th</sup> 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’s “Is Consciousness Required for Moral Standing?”, 15<sup>th</sup> Annual Rocky Mountain Ethics Congress, University of Colorado, Boulder, 14 August 2022 \*
- On Tyler Millhouse’s “Compressibility and the Reality of Patterns”, 5<sup>th</sup> 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 6<sup>th</sup> 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 3<sup>rd</sup> workshop of Korean Society for Analytic Philosophy Graduate Student Division, Yonsei University, 27 February 2016

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\* Also presented under the title “The Dilemma Argument in Defense of Predicate Functor Logic's ‘Ontological Innocence’.”

## **HONORS AND AWARD**

PSA Travel Grant (2024)

APA Graduate Stipend (2022, 2023, 2024)

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)

## **PROFESSIONAL AND LEADERSHIP EXPERIENCE**

Academic Committee Officer, Korean Association for Logic, 2025-2027

Organizer, 'Ask a Philosopher' booth on UC Davis Picnic Day: 2022-2024

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 / Student co-representative, The 10<sup>th</sup> 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