

André Curtis-Trudel

Curriculum Vitae

ae.trudel@gmail.com | www.aetrudel.net

RESEARCH AREAS

Specialization: philosophy of science, computation, AI
Competence: philosophy of mathematics, cognitive science, logic

EDUCATION

PhD in Philosophy, The Ohio State University, 2022
BA in Philosophy, University of Calgary, 2016
BS in Computer Science, University of Calgary, 2016

ACADEMIC AFFILIATIONS

Visiting Scholar, KU Leuven, Department of Physics, Sept 2023 – Dec. 2023
Fellow, The Hong Kong Catastrophic Risk Centre, 2023 – Present
Research Assistant Professor, Lingnan University, Department of Philosophy, 2022 – Present

PUBLICATIONS

Books

1. (Under contract). *Computability and Computational Explanation*. Cambridge Elements Series, Cambridge University Press.

Journal Articles

1. (forthcoming). Limitative Computational Explanations. *Philosophical Studies*.
2. (2023). Evidence, Computation, and AI: Why Evidence is Not Just in the Head. With: Darrell Rowbottom and William Peden. *The Asian Journal of Philosophy* 2.11.
3. (2023). Mathematical Explanation in Computer Science. *Philosophy of Science*.
4. (2022). The Determinacy of Computation. *Synthese* 200.43, pp. 1-28.
5. (2022). Why Do We Need a Theory of Implementation? *The British Journal for Philosophy of Science* 73.4.
6. (2021). Implementation as Resemblance. *Philosophy of Science* 88.5, pp. 1021 – 1032.

Invited Commentaries

1. (2023). Primiero on Physical Computation. *Global Philosophy* 33.2.

PRESENTATIONS

Invited

1. (2024). Title TBD. Workshop on Philosophy of AI, University of Hong Kong, March 1-2.
2. (2023). “Machine Learning and the Problem of Noise-Dominated Measurement”, CLPS Seminar Series, KU Leuven, Sept. 29.
3. (2023). “What is the Challenge to Acquiring Understanding via Deep Learning Systems?”, Sungkyunkwan University, Aug. 5.
4. (2023). “Computation, Triviality, and Observer-Relativity”, Foundations of Computation Workshop, Australian National University, July 20 - 21.

5. (2023). “Computation, Triviality, and Observer-Relativity”, Workshop on Indeterminacy of Computation, Israel Institute of Advanced Studies, July 10 – 13.
6. (2023). “What is Computational Explanation?”, Dubrovnik Inter-University Centre, June 12 – 16.

Peer-reviewed

1. (2023). “What is the Challenge to Acquiring Understanding via Deep Learning Systems?” PSA Around the World 2023, Online, Nov. XX
2. (2023). “What is the Challenge to Acquiring Understanding via Deep Learning Systems?”, Epistemology & AI 2023, Zhejiang University, Sept. 8 – 9.
3. (2023). “Machine Learning and the Problem of Noise-Dominated Measurement”, British Society for Philosophy of Science Symposium, July 5 – 7.
4. (2023). “Computer Science After the Philosophy of Mind”, International Association for Computing and Philosophy Symposium, July 3 – 5.
5. (2022). “Mathematical Explanation in Computer Science”, Philosophy of Science Association 28th Biennial Meeting Colloquium, November.
6. (2022). “Idealization and Explanation in Theoretical Computer Science”, Rotman Graduate Student Conference, Western University, May.
7. (2022). “The (Non)Problem of Simultaneous Implementation”, Eastern APA Colloquium, January.
8. (2021). “Computation in Context”, NYU-Columbia Graduate Conference (Online), March.
9. “Computational Pluralism”, Canadian Society for History and Philosophy of Science, York University (Online), May.
10. (2021). “Implementation as Resemblance”, Colloquium, Philosophy of Science Association 27th Biennial Meeting, November.
11. (2021). “The (Non)Problem of Simultaneous Implementation”, British Society for Philosophy of Science Annual Meeting (Online), July.
12. (2021). “Implementation as Resemblance”, Central APA Colloquium, February.
13. (2019). “Can there be a Unified Theory of Computation?”, Society for Exact Philosophy Annual Meeting, York University, May.
14. (2019). “Pluralism and Computational Individuation”, History and Philosophy of Computing 5, Bergamo, Italy, October.
15. (2018). “Intuition and Action”, JHU Annual Graduate Conference, Johns Hopkins University, November.
16. (2018). “Intuition and Inference”, Ohio Philosophical Association Annual Meeting, University of Cincinnati, April.
17. (2016). “Is Church’s Thesis an Explication?” LMP Graduate Conference, Western University, May.
18. (2016). “Is Church’s Thesis an Explication?” Canadian Society for the History and Philosophy of Mathematics, University of Calgary, May.

SELECTED WORK IN PROGRESS († = joint work)

(R&R)	†A paper on AI and scientific understanding
(Under Review)	A paper on pancomputationalism and observer-relativity
(Under Review)	†A paper on methodology in philosophy of computation

SELECTED AWARDS AND GRANTS

2023	Sino-British Fellowship
2022	Arts and Humanities Small Grant
2022	William H. Fink Conference Travel Award
2019	William H. Fink Award for Most Outstanding Graduate Student Essay
2019	William H. Fink Conference Travel Award
2016	Ohio State Distinguished University Fellowship
2016	Joseph Armand Bombardier Canadian Graduate Scholarship (declined)

SERVICE

Conference and Symposia Organization

Conference, "AI in Contemporary Science," Cambridge University, Dec. 1 – 2, 2023.

Symposium, "New Directions in the Philosophy of Computation," International Association for Computing and Philosophy Annual Meeting, July 3 - 5 2023.

Symposium, "AI in Contemporary and Future Science," British Society for Philosophy of Science Annual Meeting, July 5 - 7 2023.

Programme Committee, BPS Annual Meeting, July 5 - 7 2023.

Departmental

Lingnan University

Impact Committee, HKCRC Global Risk Online Course, 2022 – 2023.

Program Planning Committee, MA on AI and the Future, 2022 – 2023.

Coordinator, PCFS Seminar Series, 2022 – Present.

The Ohio State University

Graduate Colloquium Funding Liaison, 2019 – 2022.

President, Language or Logic Society, 2019 – 2022.

President, Society of Mathematical Logic and Foundational Studies, 2019 – 2022.

Treasurer, Society of Mathematical Logic and Foundational Studies, 2018 – 2019

Refereeing

The British Journal for Philosophy of Science(x2), Ratio, Erkenntnis, Studies in the History and Philosophy of Science, Australasian Journal of Philosophy, Philosophia Mathematica, Synthese (x2), Minds and Machines, Ohio Philosophical Association.

PROFESSIONAL DEVELOPMENT

Outcome-Based Assessment, Lingnan Teaching and Learning Center, 2022.

Digital Tools for Learning, OSU Office of Distance and eLearning, 2021.

Teaching Online, OSU Office of Distance and eLearning, 2019.

Philosophy and Physical Computation Workshop, Virginia Tech, 2019.

North American Summer School in Logic, Language, and Information, CMU, 2018.

International Summer School in Logic, Language, and Computation, Göttingen, 2016.

UNDERGRADUATE TEACHING

Lingnan University (sole instructor)

Philosophy of Science Spring 2024

Critical Thinking (x3) Fall 2022, Spring 2023, Spring 2024

The Ohio State University (sole instructor)

Death and the Meaning of Life Summer 2021

Contemporary Moral and Social Problems	Fall 2020
Introduction to Philosophy	Spring 2020
Introduction to Logic (online) (x2)	Fall 2019, Summer 2020
The Ohio State University (TA)	
Advanced Formal Logic	Spring 2021
Political Philosophy	Spring 2021
Introduction to Philosophy	Winter 2019
Introduction to Formal Logic (x3)	Winter 2018, Summer 2018, Fall 2018
Philosophy of Art	Fall 2017

REFERENCES

Stewart Shapiro
O'Donnell Professor of Philosophy
The Ohio State University
shapiro.4@osu.edu

John Symons
Professor of Philosophy
The University of Kansas
johnsymons@ku.edu

Richard Samuels
Professor of Philosophy
The Ohio State University
samuels.58@osu.edu

Gualtiero Piccinini
Professor of Philosophy
University of Missouri – St. Louis
piccininig@umsl.edu

Christopher Pincock
Professor of Philosophy
The Ohio State University
pincock.1@osu.edu

Tristram McPherson (teaching)
Professor of Philosophy
The Ohio State University
mcpherson.164@osu.edu