

Shay Allen Logan

Curriculum Vitae

CONTACT

Department of Philosophy
Kansas State University
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Manhattan, KS 66505
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EDUCATION

PhD Philosophy, University of Minnesota 2015
MS Mathematics, University of Minnesota 2013
MA Philosophy University of Minnesota 2013
BS Mathematics, Gonzaga University 2008
BA Philosophy, Gonzaga University 2008

EMPLOYMENT

2025-present Professor, Philosophy, Kansas State University
2023-2025 Associate Professor, Philosophy, Kansas State University
2019-2023 Assistant Professor, Philosophy, Kansas State University
2018-2019 Visiting Assistant Professor, Mathematics, Macalester College
2016-2018 Postdoctoral Scholar, Philosophy, North Carolina State University
2015-2016 Visiting Assistant Professor, Mathematics, Smith College
2015-2016 Postdoctoral Research Scholar, Philosophy, University of Connecticut

HONORARY AND VISITING POSITIONS

2022-Present External Member, Buenos Aires Logic Group
Spring 2021 Visiting Professor, Faculty of Philosophy, Università Vita-Salute San Raffaele

PUBLICATIONS

Books

2024 *Relevance Logic* (Elements in Philosophy and Logic). Cambridge: Cambridge University Press.
2017 *Logic: The Basics. Second Edition*. Routledge. [Joint with Jc Beall.]

Peer Reviewed Publications

202? ‘Topics, Non-Uniform Substitutions, and Variable Sharing’ *Review of Symbolic Logic*. [Joint with Shawn Standefer and Thomas Macaulay Ferguson] (accepted)
202? ‘Hyperformalism for Bunched Natural Deduction Systems’ *Journal of Philosophical Logic*. [Joint with Blane Worley] (accepted)
202? ‘Content and Depth Revisited’. *Australasian Journal of Logic*. (accepted)
202? ‘Topic Transparency and Variable Sharing in Weak Relevant Logics’. *Erkenntnis*. [Joint with Thomas Macaulay Ferguson] (forthcoming)
2025 ‘Nondeterministic and nonconcurrent computational semantics for BB+ and related logics.’ *Journal of Logic and Computation*, 35(1), 36-56.

- 2025 ‘Semantics for Second-Order Relevant Logics’. In: Sedlar, I., Standefer, S., and Tedder, A. *New Directions In Relevant Logics*. Springer.
- 2025 ‘Frege meets Belnap: Basic Law V in a Relevant Logic’. In: Sedlar, I., Standefer, S., and Tedder, A. *New Directions In Relevant Logics*. Springer. [Joint with Francesca Boccuni]
- 2024 ‘Logic in the Deep End’. *Analysis*. 84 (2). 282-291
- 2023 ‘Stratified Restricted Universals’. *Asian Journal of Philosophy*. 2 (44)
- 2022 ‘Depth Relevance and Hyperformalism’. *Journal of Philosophical Logic* 51 (4): 721-737.
- 2022 ‘Logic in the Second Half of the Twentieth Century’. *Routledge Encyclopedia of Philosophy*.
- 2022 ‘Deep Fried Logic’. *Erkenntnis*. 87 (1): 257-286.
- 2022 ‘Hyperdoctrine Semantics: An Invitation’. *The Logica Yearbook, 2021*. College Publications. pp. 115-134. [Joint with Graham Leach-Krouse]
- 2021 ‘Strong Depth Relevance’ *Australasian Journal of Logic*. 18 (6): 645-656.
- 2021 ‘On Not Saying What We Shouldn’t Have to Say’. *Australasian Journal of Logic* Special Issue on Robert K. Meyer. 18 (5): 524-568 [Joint with Graham Leach-Krouse]
- 2021 ‘The Universal Theory Building Theory is Substructural’ In: Düntsch I., Mares E. (eds) *Alasdair Urquhart on Nonclassical and Algebraic Logic and Complexity of Proofs*. Outstanding Contributions to Logic, vol 22. Springer.
- 2020 ‘Hyperdoctrines and the Ontology of Stratified Semantics.’ In: Fazio D., Ledda A., Paoli F. (eds) *Algebraic Perspectives on Substructural Logics*. Trends in Logic (Studia Logica Library), vol 55. Springer, Cham.
- 2020 ‘Putting the Stars in Their Places’. *Thought: A Journal of Philosophy*. 9 (3): 188–197.
- 2019 ‘Notes on Stratified Semantics.’ *Journal of Philosophical Logic* 48 (4): 749-786.
- 2017 ‘Categories for the Neologicist’. *Philosophia Mathematica* 25 (1): 26-44.
- 2015 ‘Category Theory is a Contentful Theory’. *Philosophia Mathematica* 23 (1): 110-115.
- 2015 ‘The Semantics of Social Constructivism’. *Synthese* 192 (8): 2577-2598.
- 2015 ‘Abstractionist Categories of Categories’. *The Review of Symbolic Logic* 8 (4): 705-721.

Book Reviews

- 2018 ‘A Comprehensive Study of Abstractionism’. *Metascience* 27 (2): 327-329.
- 2014 ‘Philosophy of Mathematics in the Twentieth Century’. *The Polish Journal of Philosophy* 3 (2): 84-87.

Published Abstracts

- 2016 ‘On the Broader Epistemic Significance of Frege’s Theorem’. *The Bulletin of Symbolic Logic* 23 (2): 206.
- 2015 ‘Abstractionist Categories of Categories’. *The Bulletin of Symbolic Logic* 21 (4): 440.

Chapters

- 2018 ‘The Standard Story and Its Rivals’ in *An Introduction to the Philosophy of Logic*, Daniel Cohnitz and Luis Estrada-Gonzalez (au), Cambridge University Press.

GRANTS AND AWARDS

- 2023 University Small Research Grant, Kansas State University
- 2020 Faculty Enhancement Program Summer Fellowship, Kansas State University
- 2010-2015 Graduate Research Fellowship, National Science Foundation
- 2009-2010 Graduate School Fellowship, University of Minnesota

INVITED TALKS

- 2024 “Hyperformalism and Variable Sharing” Workshop on Variable Sharing and its Discontents at Rensselaer Polytechnic Institute, November 14-16.
- 2024 “Silence for the Machines” The Logic, Mathematics, and Artificial Intelligence colloquia at The National Taiwan University Center for Traditional and Scientific Metaphysics, May 27.
- 2024 “The Philosophical Significance of Operational and Stratified Semantics” The Second Third Workshop. University of Alberta, May 13.
- 2024 “The Joy of Nonuniform Substitutions” Perspectives on Logic and Philosophy II, Institute Vienna Circle, University of Vienna, February 9.
- 2024 “The Joy of Nonuniform Substitutions” Southern Summer Logic Day, Australasian Association for logic, Queensland, Australia, January 11.
- 2023 “Varieties of Variable Sharing or: How I Stopped Worrying and Learned to Love Nonuniform Substitutions.” Mathematical Logic Seminar, University of Bristol, UK, October 4.
- 2023 “The ‘plus’ in ‘logic plus abstraction’” Abstractionism 2, University of Connecticut, August 10.
- 2023 “Making Sense of Relevant Comprehension” Hellfest, University of Minnesota, April 26
- 2023 “Comprehension in Second-Order Relevance Logics” Perspectives on Logic and Philosophy I, Ruhr Universität Bochum, January 10.
- 2021 “Logical Commitment, Levels of Entailment, and Curry” Buenos Aires Logic Group Work in Progress Series, November 12.
- 2021 “A Fine Semantics for Relevant Second-Order Logic” UConn Brown Bag Series, November 3.
- 2021 “Relevant Neologicism” CRESA WiP Seminar, June 16.
- 2021 “Depth Substitutions and Strong Depth Relevance” Nonclassical Logic Webinar, April 23.
- 2021 “The Easy Argument Against Noncontractive Logics Doesn’t Work” CUNY Logic and Metaphysics Workshop, March 1.
- 2021 “Strong Depth Relevance” *Alophis* seminar, Università di Cagliari, February 16.
- 2020 “Logic Without Explicit Modeling: A Pessimistic Metainduction” CUNY Logic and Metaphysics Workshop, December 14.
- 2020 “Hyperdoctrines and Why You Should Care About Them” Logic Supergroup, May 22.
- 2019 “Deep Fried Logic.” University of Kansas Colloquium, November 15.
- 2019 “Deeper Fried Logic.” Melbourne Logic Seminar, February 15.
- 2019 “Relative Closure, Relevance Logic, and the Task of the Theorist.” University of Connecticut, February 1.
- 2018 “Stratified Semantics for Quantified Relevance Logics.” Ruhr-Universität Bochum, June 21
- 2018 “Stratified Semantics for Quantified Relevance Logics.” Archè Research Center, June 6.
- 2018 “Arbitrary Objects: Caesar, Crystals, and Plastic” University of California Davis, May 23.
- 2018 “What if it’s Both? What if it’s Neither?” Smith College, February 9.
- 2018 “Ways of Arranging Infinitely Many Things.” Smith College, February 8.
- 2017 “Four-Valued First-Order Semantics for RW.” Melbourne Logic Seminar, October 27.
- 2017 “Noes and Nots.” University of Connecticut, February 10.
- 2016 “On the Broader Epistemic Significance of Frege’s Theorem.” Association for Symbolic Logic Special Session on Paradoxes, Properties, and Logicism, March 2-5.
- 2015 “Logic, Truth, and Logic.” University of Connecticut, October 23.

SERVICE

To the profession:

Coordinator and founder, the Logic Supergroup.

NSF Reviewer, 2024

ESSLLI instructor for the course “Canonical Models in Nonclassical First-Order Logics” Summer, 2022

Refereeing: Analysis, Erkenntnis, Synthese, Outstanding Contributions to Logic (book series), Journal of Philosophical Logic, Review of Symbolic Logic, Australasian Journal of Logic, Australasian Journal of Philosophy, Journal of Logic and Computation, Logic and Logical Philosophy, Logic Journal of the IGPL, Journal of Symbolic Logic, Philosophical Quarterly, Journal of Logic, Language, and Information and others.

To the department:

Departmental Scholarship Coordinator (2020-Present) Departmental Social Media Coordinator (2020-Present), Search Committees (2022, 2023, 2024)

To the University:

Numerous PhD committees for students in mathematics, computer science, and curriculum and instruction. Faculty adviser for one Johnson Cancer Research Center student research project.