

Eugene Chua

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Education

- 2018 – PhD Philosophy, University of California San Diego
Primary Faculty Advisor: Prof. Craig Callender
Prospectus Committee: Prof. Craig Callender, Prof. Kerry McKenzie, Prof. Eddy Keming Chen
- 2017 – 2018 MA Logic and Philosophy of Science, Munich Center for Mathematical Philosophy, Ludwig-Maximilians University Munich (Incomplete)
- 2014 – 2017 MA (Cantab) Philosophy, Wolfson College, University of Cambridge
Director of Studies: Dr. Mark Hogarth
- 2017 – Part II Overall First-Class Honours (Rank: 2nd out of 38)
- Extended Essays:**
The Price Ain't Right: High Costs for Determinacy in Hale's Semantics and Arithmetic Structuralism. (Supervisor: Dr. Thomas Schindler)
Is Logic Empirical? Logical Conventionalism from an Empirical Viewpoint. (Supervisor: Dr. Owen Griffiths)
- Dissertation:**
Rehabilitating Deductive-Nomological Explanation. (Supervisor: Dr. Anna Alexandrova)
- 2016 – Part IB Overall First-Class Honours (Rank: 4th out of 42)
- Extended Essays:**
Can Modal Facts Be Reduced to Non-Modal Facts? / When is it Rational to Accept a Belief? (Supervisor: Dr. Alex Moran)
- 2015 – Part IA Overall Second-Class Honours, Upper Division (Rank: 14th out of 46)

Publications

- 2021 Chua, E. and Callender, C. "No Time for Time from No-Time", *Philosophy of Science* 88 (5). Available at <https://doi.org/10.1086/714870>
- 2021 Chua, E. "Does Von Neumann Entropy Correspond to Thermodynamic Entropy?" *Philosophy of Science* 88 (1), 145-168. Available at: <https://doi.org/10.1086/710072>
- 2020 Saito, S., Chua, E., Capel, N. and Hu, R., "Improving LIME Robustness with Smarter Locality Sampling." *2nd Workshop on Adversarial Learning Methods for Machine Learning and Data Mining @ KDD2020*, August 24th, 2020, San Diego, USA. Available at: <https://arxiv.org/abs/2006.12302>
- 2017 Chua, E. "An Empirical Route to Logical 'Conventionalism'", in Baltag A., Seligman J., Yamada T. (eds) *Logic, Rationality, and Interaction. LORI 2017. Lecture Notes in Computer Science*, Vol. 10455. Springer, Berlin, Heidelberg. Available at: https://doi.org/10.1007/978-3-662-55665-8_43
- 2017 Chua, E. "Is Logic Empirical? Logical 'Conventionalism' from an Empirical Standpoint." *Aporia*, vol. XVII, St. Andrews. Available at: <https://ojs.st-andrews.ac.uk/index.php/aporia/article/view/1490>
- 2016 Chua, E. "Modal Reduction Made Easy." *British Journal of Undergraduate Philosophy* Issue 10(1), Spring 2016. Available online at: https://www.academia.edu/30918186/BJUP_2016_Issue_10_1

Manuscripts

- Chua, E. "Do Black Holes Evaporate?" (in preparation)
- Chua, E. "Laplace's Equipossibility and Accuracy-Based Arguments for the Principle of Indifference." (in preparation)
- Chua, E. "Taking Relativistic Thermodynamics Too Seriously." (in preparation)
- Chua, E. "Degeneration and Entropy." (under review)
- Chua, E. "Naturalizing Epistemic Accuracy via the Free Energy Principle." (in preparation)
- Chua, E. "Indeterminism for the Nomological Approach to Bohmian Mechanics." (under revision)
- Chua, E. "The Verdict is Out: Against the Internal View of the Gauge/Gravity Duality." Preprint volume for PSA 2018: *The 26th Biennial Meeting of the Philosophy of Science Association*, <http://philsci-archive.pitt.edu/view/confandvol/confandvolPSA2018.html>, Version of 30 January 2019, pages 174 - 194.

Awards, Grants, Fellowships and Scholarships

- 2021 Graduate Student Essay Prize for 'Do Black Holes Evaporate?' – University of California San Diego Department of Philosophy
Awarded for best essay submission by a graduate student in the Philosophy Department

2019 – 2020	Data Analytic Governance and Accountability Summer Fellowship – Institute of Practical Ethics, University of California San Diego (c. \$5000) Awarded by the Institute for the 2019-2020 project “Improving LIME Robustness with Smarter Locality Sampling.” in collaboration with Singaporean and Japanese data scientists.
2018 – 2019	University of California San Diego First Year Fellowship (c. \$24,000) Awarded for the first year of PhD program in the Philosophy Department
2018	National Science Foundation Travel Grant (c. \$140) Awarded for attending the Philosophy of Science Association Biennial Conference 2018
2017	Winifred Georgina Holgate Pollard Memorial Prize (c. £75) Awarded for having “achieved the most outstanding results” for the Part II Philosophy Tripos Exams in Cambridge
2017	Aporia Essay Prize for “Is Logic Empirical?” (c. £50) Awarded for best essay submission to the journal <i>Aporia</i> , published by St. Andrew’s Philosophy Society
2017	Wolfson College Travel Grant (c. £400) Awarded for attending SILFS 2017 and The Aristotelian Society & Mind Association’s Joint Session 2017
2017	University of Western Ontario Travel Grant (c. CAD300) Awarded for attending the LMP Conference 2017
2017	Jennings Prize, Wolfson College (c. £300) Awarded for First Class Honours in the 2016-2017 Philosophy Tripos Exams
2014 – 2017	Cambridge Commonwealth, European and International Trust (CCEIT) Scholarship (c. £24,000)
2016	Jennings Prize, Wolfson College (c. £300) Awarded for First Class Honours in the 2015-2016 Philosophy Tripos Exams

Talks/Conferences

2021	British Society for Philosophy of Science Annual Conference (Remote) <i>Degeneration and Entropy.</i>
2021	XXIV International Summer School in Philosophy of Physics – Black Holes and the Information Loss Paradox, Urbino, Italy <i>Do Black Holes Evaporate?</i>
2021	Invited Talk – Beyond Spacetime Colloquium Series (Remote) <i>No Time for Time from No-Time (with Craig Callender)</i>
2021	Philosophy of Science Association Biennial Conference, Baltimore, Maryland, USA <i>Laplace’s Equipossibility and Accuracy-Based Arguments for the Principle of Indifference.</i>
2021	Philosophy of Science Association Biennial Conference, Baltimore, Maryland, USA <i>No Time for Time from No Time. (with Craig Callender)</i>
2020	Masterclass: Lakatos’ Undone Work – The Practical Turn and the Division of Philosophy of Mathematics and Philosophy of Science, London, UK <i>On Degeneration and Entropy.</i>
2020	2nd Workshop on Adversarial Learning Methods for Machine Learning and Data Mining @ KDD 2020 <i>Improving LIME Robustness with Smarter Locality Sampling. (with Sean Saito, Nicholas Capel and Rocco Hu)</i>
2020	Southern California Philosophy of Physics Group, Irvine, California, USA <i>No Time for Time from No Time. (with Craig Callender)</i>
2019	European Philosophy of Science Association Biennial Conference 2019, Geneva, Switzerland <i>Indeterminism for the Nomological Approach to Bohmian Mechanics.</i>
2019	Black Forest Summer School in Philosophy of Physics: The Nature of Entropy, Saig, Germany <i>Does Von Neumann’s Entropy Correspond to Thermodynamic Entropy?</i>
2019	93rd Joint Session of the Aristotelian Society and the Mind Association – Open Sessions, Durham, UK <i>Epistemic Accuracy and the Free Energy Principle.</i>
2018	Philosophy of Science Association Biennial Conference, Seattle, Washington, USA <i>The Verdict is Out: Against the Internal View of the Gauge/Gravity Duality.</i>
2017	British Undergraduate Philosophy Society and British Journal for Undergraduate Philosophy Biannual Conference – University of Cambridge, UK (Chaired)
2017	17th Annual Philosophy of Logic, Math and Physics (LMP) Graduate Student Conference, University of Western Ontario, Canada <i>Is Logic Empirical? Logical ‘Conventionalism’ From an Empirical Perspective.</i>

2017	91st Joint Session of the Aristotelian Society and the Mind Association – Open Sessions, University of Edinburgh, UK <i>Indeterminacy in Arithmetical Structuralism: The Case of Hale Semantics.</i>
2017	Triennial International Conference of the Italian Society for Logic and Philosophy of Science (SILFS), University of Bologna, Italy <i>The Price Is Right: The Best Way Forward for Arithmetical Structuralism.</i>
2017	British Undergraduate Philosophy Society and British Journal for Undergraduate Philosophy Biannual Conference – UCL, UK (Chaired)
2016	Open Minds XII Conference, University of Manchester, UK <i>Staying Relevant: How a Better Account of Laws Saves D-N Explanation.</i>
2016	British Undergraduate Philosophy Society and British Journal for Undergraduate Philosophy Biannual Conference – University of Cambridge, UK <i>Modal Reduction Made Easy.</i>

Editorial/Referee Work

European Journal for Philosophy of Science
Reviewer

Studies in History and Philosophy of Science
Reviewer

Philosophy of Science
Reviewer

Service Roles

2021	2021 WonderPhilosophy Workshop for Undergraduate Students Panelist
2020 – 2022	University of California San Diego Department of Philosophy Graduate Representative
2018 – 2019	University of California San Diego Graduate Student Association Departmental Representative
2015 – 2017	British Undergraduate Philosophy Society President
2015 – 2016	Amoral Sciences Club Committee Member
2014 – 2017	Cambridge Philosophy Faculty Staff-Student Committee Part IA/IB/II Student Representative

Teaching

2021	Fall 2022: CAT1 – The Origins of Culture, Art, and Technology Culture, Arts and Technology Writing Program, Sixth College (Prof. Guillermo Algaze) Teaching Assistant
2021	Summer 2021: PHIL173 – Topics in Bioethics. (Ann Caroline Thresher) Teaching Assistant
2021	Spring 2021: CAT3 – Queering Climate Change. Culture, Arts and Technology Writing Program, Sixth College (Prof. BT Werner) Teaching Assistant
2021	Winter 2021: CAT2 – Contemporary Gothic Literature. Culture, Arts and Technology Writing Program, Sixth College (Dr. Elizabeth Gumm) Teaching Assistant
2020	Fall 2021: CAT125R – Public Rhetoric and Communication. Culture, Arts and Technology Writing Program, Sixth College (Dr. Joe Bigham) Teaching Assistant
2020	Summer 2020: CAT125R – Public Rhetoric and Communication. Culture, Arts and Technology Writing Program, Sixth College (Dr. Jennifer Marchisotto) Teaching Assistant
2020	Summer 2020: PHIL27 Lower Division – Ethics and Society (Henry Argetsinger) Teaching Assistant
2020	Spring 2020: CAT3 – Narratives of Apocalypse and the Aftermath Culture, Arts and Technology Writing Program, Sixth College (Dr. Elizabeth Gumm) Teaching Assistant

2020 Winter 2020: CAT2 – The Emergence of Cities and States
Culture, Arts and Technology Writing Program, Sixth College (Prof. Guillermo Algaze)
Teaching Assistant

2019 Fall 2020: CAT1 – The Transformation of Cities
Culture, Arts and Technology Writing Program, Sixth College (Prof. Stanley Chodorow)
Teaching Assistant

2019 Summer 2019: PHIL28 Lower Division – Ethics and Society (Kathryn Joyce)
Teaching Assistant

2018 Fall 2019: PHIL146 Upper Division – Philosophy of Physics (Prof. Craig Callender)
Teaching Assistant
