

Dr. Joshua Luczak

School of Social Sciences
College of Integrative Studies
Singapore Management University

Date: 23/02/2023
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Areas of Specialization

Philosophy of Science, Philosophy of Physics

Areas of Competence

Ethics (Normative and Applied), Logic, Philosophy of Climate Science

Employment

Assistant Professor of Philosophy (Education), Singapore Management University	2020—Present
Visiting Lecturer, Philosophy, Monash University	Winter 2019
Postdoctoral Fellow, Leibniz Universität Hannover	2016–2019
Visiting Assistant Professor, Georgetown University	2015–2016, Fall 2018
Ernst Mach Visiting Fellow, University of Salzburg	Feb-March, 2017

Education

Ph.D., Philosophy, The University of Western Ontario	2011–2015
<i>Dissertation:</i> On Nonequilibrium Statistical Mechanics	
<i>Committee:</i> Wayne Myrvold (Chair), Carl Hofer, Markus Müller (Applied Math), Chris Smeenk, and David Wallace (External)	
M.A. (First Class Honours), Philosophy, Monash University	2010
B.A.\B.Sc. (Hons.), Philosophy, Mathematics, Monash University	2007

Publications

Forthcoming. “Climate Denialism Bullshit is Harmful.” *Asian Journal of Philosophy*.

2022. “Saul’s Bullshit: It’s Not All Good Man.” In Coppenger B., Heter J. (eds), *Better Call Saul and Philosophy: I think, Therefore I Scam*. Carus Books.

2021. “The Ehrenfests’ Use of Toy Models to Explore Irreversibility in Statistical Mechanics.” In Uffink J., Valente G., Werndl C., Zuchowski L. (eds), *The Legacy of Tatjana Afanassjewa*. Women in the History of Philosophy and Sciences, Vol. 7, Springer. (With Lena Zuchowski).

2018. “How Many Aims Are We Aiming At?” *Analysis*. Vol. 78, Issue 2: 244–254.

2017. “Talk About Toy Models.” *Studies in History and Philosophy of Modern Physics*. Vol. 57: 1–7.

2016. “On How to Approach the Approach to Equilibrium.” *Philosophy of Science*. Vol. 83, Issue 3: 393–411.

Book Reviews

2015. “Reflections on Lazare and Sadi Carnot.” *Metascience*, Vol. 24, Issue 1: 87–89.

2013. “On Chance.” *Metascience*, Vol. 22, Issue 1: 85–87.

Presentations

“Not Just Toying Around.” Ninth International MBR Conference: Model-Based Reasoning, Abductive Cognition, Creativity, Sapienza University of Rome, Italy. June 7-9, 2023.

“Umm... Let’s Maybe Offer a Valid Argument for Helping the World’s Less Fortunate.” CIS Brown Bag Series, Singapore Management University, Singapore. March 8, 2023.

“Scientific Progress and Robust Bayesian Confirmation” Scientific Progress – Individual & Collective. Abraham Kuyper Center, Vrije Universiteit Amsterdam, The Netherlands. August 24-26, 2022.

“Look At What You Are Aiming At!” Australasian Association of Philosophy Annual Conference. University of Waikato, New Zealand. June 28-July 7, 2022.

“Not Just Toying Around.” Beyond Models: Workshop on Model Independence in Physics. Physics Institute, University of Bonn, Germany. June 15, 2022.

“Climate Denialism Bullshit is Harmful.” Trust in the Digital Age Conference. Center for Law, Ethics and Digital Technologies, Yaroslav Mudryi National Law University, Ukraine. May 25, 2022.

“Climate Denialism Bullshit is Harmful.” SOSS Research Camp. Singapore Management University, Singapore. November 12, 2021.

“Climate Denialism Bullshit is Harmful.” Australasian Association of Philosophy Annual Conference. University of Waikato, New Zealand. July 6-15, 2021.

“Climate Denialism Bullshit is Harmful.” Canadian Society for the History and Philosophy of Science Annual Conference. University of Alberta, Canada. May 29-June 2, 2021.

“Climate Denialism Bullshit is Harmful.” Georgia Philosophical Society: Conference on Philosophical Perspectives on Contemporary Problems. University of Georgia, USA. March 25-26, 2021.

“On the Aims of Statistical Mechanics.” Seminar Series, Australian National University, Australia. May 28, 2020.

“Not Just Toying Around.” Conference: Scientific Modelling, Pushing the Boundaries. Australian National University, Australia. June 7, 2019.

“It’s My Model and I’ll Represent if I Want To.” American Philosophical Association: Eastern Division. New York, USA. January 7-10, 2019.

“It’s My Model and I’ll Represent if I Want To.” 26th Biennial Meeting of the Philosophy of Science Association. Seattle, USA. November 1-4, 2018.

“The Ehrenfest’s Use of Toy Models to Explore Irreversibility in Statistical Mechanics.” 19th UK and European Conference on Foundations of Physics. University of Utrecht, The Netherlands. July 10-13, 2018.

“More Talk About Toy Models.” Seventh Biennial Society for Philosophy of Science in Practice Conference. University of Ghent, Belgium. June 29-July 2, 2018.

“On the Aims of Statistical Mechanics.” Conference: Thermodynamics as a Resource Theory. The University of Western Ontario, Canada. June 20-22, 2018.

“It’s My Model and I’ll Represent if I Want To.” Conference: Models. LMU Munich, Germany. May 4-5, 2018.

“On the Aims of Statistical Mechanics.” American Philosophical Association: Pacific Division. San Diego, USA. March 28-April 1, 2018.

“More Talk About Toy Models.” Spring Meeting of the German Physical Society (DPG). Technische Universität Berlin, Germany. March 11-16, 2018.

“On the Aims of Statistical Mechanics.” Conference: Symmetries and Asymmetries in Physics. Leibniz Universität Hannover, Germany. July 6-8, 2017.

“More Talk About Toy Models.” Conference: Reasoning and Argumentation in Science. LMU Munich, Germany. May 31-June 2, 2017.

“More Talk About Toy Models.” Conference: Explanatory Strategies in Physics. Leibniz Universität Hannover, Germany. May 11, 2017.

“On the Aims of Statistical Mechanics.” 18th UK and European Conference on Foundations of Physics. London School of Economics, UK. July 16-18, 2016.

“On How to Approach the Approach to Equilibrium.” 15th Congress of Logic, Methodology, and Philosophy of Science. University of Helsinki, Finland. August 3-8, 2015.

“Toy Models: Interesting? Yes. Approximations? Idealisations? No.” Models and Simulations 6. University of Notre Dame, USA. May 9-11, 2014.

“Toy Models: What They Are, What They’re Not, and What They’re Good For.” Second Irvine-Pittsburgh-Princeton Conference on the Mathematical and Conceptual Foundations of Physics. University of California, Irvine, USA. March 20-21, 2014.

“Toy Models: What They Are, What They’re Not, and What They’re Good For.” 17th Oxford Philosophy Graduate Conference. University of Oxford, UK. November 15-17, 2013.

“Toy Models: Interesting? Yes. Approximations? Idealisations? No.” Congress on Logic and Philosophy of Science. Ghent University, Belgium. September 16-18, 2013.

“Toy Models: Interesting? Yes. Approximations? Idealisations? No.” Philosophy Graduate Student Association (PGSA) Colloquium, The University of Western Ontario, Canada, March 20, 2013.

“Fatalism, Bivalence, and You.” Canadian Philosophical Association Annual Meeting. Wilfrid Laurier University/University of Waterloo, Canada. May 27-30, 2012.

“A Good Defence of Abortion.” Centre on Values and Ethics (COVE) Conference. Carleton University, Canada. March 10-11, 2012.

Fellowships and Awards

Ernst Mach Fellowship, Austrian Agency for International Cooperation in Education & Research	2017
Munich Center for Mathematical Philosophy Visiting Fellowship, LMU Munich	2016
Graduate Thesis Research Award, The University of Western Ontario	2015
Rotman Graduate Research Fellowship, The University of Western Ontario	2013, 2014, 2015
USC Teaching Honour Roll Award of Excellence, The University of Western Ontario	2012-13

British Society for the Philosophy of Science Award, British Society for the Philosophy of Science	2013
Dean's Commendation of Excellence in Teaching, Monash University	2008, 2009, 2010
Dean's Sessional Teaching Commendation, Monash University	2009
School of Mathematical Science Research Fellowship, Monash University	2006

Teaching

Philosophy Instructor

Singapore Management University

Heated Debates: Climate Justice	Spring 2023
Big Questions: Wealth and Poverty	Spring 2023
Big Questions: Wealth and Poverty	Fall 2022
What is This Thing Called Science?	Spring 2022
Big Questions: War and Peace	Fall 2021
Big Questions: Global and Local	Spring 2021
Analytical Skills	Spring 2020, Spring 2021
What is This Thing Called Science?	Fall 2020
Big Questions: Happiness and Suffering	Spring 2020

Monash University

Critical Thinking	Fall 2019
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Leibniz Universität Hannover

Introduction to Formal Methods	Spring 2019
Philosophy at the Movies	Fall 2018
Inductive Logic and Rational Choice Theory	Spring 2018
Big Ideas Through Thought Experiments	Spring 2018
Philosophy of Science	Fall 2017
Death and Morality	Fall 2017
The Nature of Knowledge	Spring 2017
Contemporary Moral Issues	Spring 2017
Philosophy of Probability	Fall 2016
Metaphysics and Moral Responsibility	Fall 2016

Georgetown University

Introduction to Logic	Spring 2016, Fall 2018
Introduction to Philosophy: Metaphysics and Epistemology	Spring 2016
Contemporary Moral Issues	Fall 2015
Beginning Logic	Fall 2015

Royal Melbourne Institute of Technology
Business Ethics

Spring 2010, Fall 2011

Singapore Institute of Management University
Business Ethics

Fall 2011

*Philosophy Teaching Assistant**

The University of Western Ontario

Introduction to Philosophy	2013–2014F
Reasoning and Critical Thinking	2012–2013F
Advanced Introduction to Philosophy	2011–2012F

Monash University

Human Rights Theory	Fall 2011
Philosophy of Film	Summer 2010, Summer 2011
Time, Self and Mind	Spring 2010
Life, Death and Morality	Summer 2008, Fall 2008, Fall 2009, Fall 2010
Philosophical Explorations of World Religions	Summer 2010
Ethics	Summer 2008, Summer 2009
Time, Self and Freedom	Spring 2007, Spring 2008, Spring 2009
God, Freedom and Evil	Spring 2009
Reason and Argument	Fall 2008, Fall 2009
Philosophy of Sex	Spring 2008
Primary Logic	Spring 2007

Mathematics Teaching Assistant

Monash University

Analysis of Change	Fall 2006, Fall 2007, Fall 2008
Techniques of Modelling	Spring 2006, Spring 2008
Linear Algebra with Applications	Fall 2007
Multivariable Calculus	Spring 2006

*F = Full year course.

Academic Service

Referee for *The British Journal for the Philosophy of Science, Canadian Journal of Physics, Erkenntnis, European Journal for Philosophy of Science, Journal for General Philosophy of Science, Philosophers' Imprint, Philosophy of Science, Studies in History and Philosophy of Modern Physics, Studies in History and Philosophy of Science, Synthese, Theoria.*

College of Integrative Studies 2021–Present
D3 Committee Member,
Singapore Management University

College of Integrative Studies 2021–Present
External Relations Committee Member,
Singapore Management University

PhilPapers Area and Subject Editor, 2014–Present
Philosophy of Physical Science, Philosophy of Probability
Thermodynamics and Statistical Mechanics,
Models and Idealization, Probabilistic Reasoning

Centre for Digital Philosophy 2014–Present
Editorial and Administrative Assistant,
The University of Western Ontario

Symmetries and Asymmetries in Physics 2017
Conference Co-Organiser,
Leibniz Universität Hannover

Rotman External Public Outreach 2013–2015
Committee Member,
The University of Western Ontario

Rotman K-12 Outreach 2013–2015
Committee Member,
The University of Western Ontario

Logic, Mathematics, and Physics 2012, 2013, 2014
Graduate Conference Co-Organiser,
The University of Western Ontario

Philosophy Graduate Student Association Mentor, 2012, 2013
The University of Western Ontario