

# Dr. Joshua Luczak

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Institute of Philosophy  
Leibniz Universität Hannover  
Hannover, Germany, D-30167

Office: Im Moore 21, Rm.B407  
joshmluczak@gmail.com  
joshualuczak.net

## *Areas of Specialization*

Philosophy of Physics, Philosophy of Science

## *Areas of Competence*

Ethics (Normative and Applied), Logic, Philosophy of Probability

## *Employment*

<b>Postdoctoral Fellow</b> , Philosophy, Leibniz Universität Hannover	2016–Present
<b>Ernst Mach Visiting Fellow</b> , Philosophy, University of Salzburg	Feb–March, 2017
<b>Lecturer</b> , Philosophy, Georgetown University	2015–2016

## *Education*

**Ph.D.**, Philosophy, The University of Western Ontario 2011–2015

*Dissertation:* On Nonequilibrium Statistical Mechanics

*Committee:* Wayne Myrvold (Chair), Carl Hoefer, 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.** “How Many Aims Are We Aiming At?” *Analysis*.

**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.

## *Work in Progress*

**In Preparation.** “More Talk About Toy Models.”

**In Preparation.** “New Perspectives on the Erhenfests’ Wind Tree and Urn Model.” (with Lena Zuchowski).

**In Preparation.** “Implementing and Interpreting the *Stoßzahlansatz*.” (with Lena Zuchowski).

**In Preparation.** “Getting Clear About Absolute Continuity and Translation Continuity.” (with Wayne Myrvold).

## *Presentations*

**“On the Aims of Statistical Mechanics.”**

American Philosophical Association: Pacific Division. San Diego, USA. March 28-April 1, 2018.

Conference: Symmetries and Asymmetries in Physics. Leibniz Universität Hannover, Germany. July 6-8, 2017.

18<sup>th</sup> UK and European Conference on Foundations of Physics. London School of Economics, UK. July 16-18, 2016.

**“More Talk About Toy Models.”**

Conference: Reasoning and Argumentation in Science. LMU Munich, Germany. May 31-June 2, 2017.

Conference: Explanatory Strategies in Physics. Leibniz Universität Hannover, Germany. May 11, 2017.

**“On How to Approach the Approach to Equilibrium.”**

15<sup>th</sup> Congress of Logic, Methodology, and Philosophy of Science. University of Helsinki, Finland. August 3-8, 2015.

**“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.

17<sup>th</sup> Oxford Philosophy Graduate Conference. University of Oxford, UK. Nov. 15-17, 2013.

**“Toy Models: Interesting? Yes. Approximations? Idealisations? No.”**

Models and Simulations 6. University of Notre Dame, USA. May 9-11, 2014.

Congress on Logic and Philosophy of Science. Ghent University, Belgium. Sept. 16-18, 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*

<b>Ernst Mach Fellowship,</b> Austrian Agency for International Cooperation in Education & Research	2017
<b>Munich Center for Mathematical Philosophy Visiting Fellowship,</b> LMU Munich	2016
<b>Graduate Thesis Research Award,</b> The University of Western Ontario	2015
<b>Rotman Graduate Research Fellowship,</b> The University of Western Ontario	2013, 2014, 2015
<b>USC Teaching Honour Roll Award of Excellence,</b> The University of Western Ontario	2012-13
<b>British Society for the Philosophy of Science Award,</b> British Society for the Philosophy of Science	2013
<b>Dean’s Commendation of Excellence in Teaching,</b> Monash University	2008, 2009, 2010

**Dean's Sessional Teaching Commendation,** 2009  
Monash University

**School of Mathematical Science Research Fellowship,** 2006  
Monash University

## *Teaching*

### *Philosophy Instructor*

#### **Leibniz Universität Hannover**

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

#### **Royal Melbourne Institute of Technology**

Business Ethics	Spring 2010, Fall 2011
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#### **Singapore Institute of Management University**

Business Ethics	Fall 2011
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### *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

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\*F = Full year course.

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

*Academic Service*

**Referee for** *Erkenntnis, European Journal for Philosophy of Science, Philosophy of Science, Studies in History and Philosophy of Modern Physics, Synthese, Theoria.*

<b>PhilPapers Area and Subject Editor,</b> Philosophy of Physical Science, Philosophy of Probability Thermodynamics and Statistical Mechanics, Models and Idealization, Probabilistic Reasoning Philpapers.org	2014–Present
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<b>Centre for Digital Philosophy</b> <b>Editorial and Administrative Assistant,</b> The University of Western Ontario	2014–Present
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<b>Symmetries and Asymmetries in Physics</b> <b>Conference Co-Organiser,</b> Leibniz Universität Hannover	2017
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<b>Rotman External Public Outreach</b> <b>Committee Member,</b> The University of Western Ontario	2013–2015
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<b>Rotman K-12 Outreach</b> <b>Committee Member,</b> The University of Western Ontario	2013–2015
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<b>Logic, Mathematics, and Physics</b> <b>Graduate Conference Co-Organiser,</b> The University of Western Ontario	2012, 2013, 2014
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<b>Philosophy Graduate Student Association Mentor,</b> The University of Western Ontario	2012, 2013
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## *References*

**Professor Wayne Myrvold**

The University of Western Ontario  
wmyrvold@uwo.ca

**Professor Mathias Frisch**

Leibniz Universität Hannover  
mathias.frisch@philos.uni-hannover.de

**Professor Carl Hoefler**

Universitat de Barcelona  
carl.hoefler@ub.edu

**Professor John Thorp** (Teaching)

The University of Western Ontario  
jthorp@uwo.ca

**Professor David Wallace**

University of Southern California  
dmwallac@usc.edu

**Professor Chris Smeenk**

The University of Western Ontario  
csmeenk2@uwo.ca

**Professor Charlotte Werndl**

University of Salzburg  
London School of Economics  
charlotte.werndl@sbg.ac.at

October 11, 2017