

# KONSTANTIN GENIN

Department of Philosophy  
Carnegie Mellon University  
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## AREA OF SPECIALIZATION

Philosophy of Science, Epistemology, Philosophy of Statistics and Machine Learning

## AREA OF TEACHING COMPETENCE

Political Philosophy, Philosophy of Economics, Rational Choice, Logic

## EDUCATION

*Doctor of Philosophy*, Logic, Computation and Methodology Expected by May 2018  
Department of Philosophy, Carnegie Mellon University  
Dissertation Title: “Ockham’s Razor and the Topology of Statistical Inquiry.”  
Dissertation Advisor: Kevin T. Kelly.

*Master of Science*, Logic, Computation and Methodology January 2015  
Department of Philosophy, Carnegie Mellon University  
Thesis Title: “Theory Choice, Theory Change, and Inductive Truth-Conduciveness.”  
Thesis Advisor: Kevin T. Kelly.

*Bachelors of Arts*, Mathematics and Philosophy May 2009  
Departments of Mathematics and Philosophy resp., Brown University  
Magna Cum Laude

## PUBLICATIONS

Konstantin Genin, Kevin T. Kelly. “The Topology of Statistical Verifiability.” *Proceedings of the Sixteenth Conference on Theoretical Aspects of Rationality and Knowledge (TARK)*, 2017.

Konstantin Genin, Kevin T. Kelly. “Learning, Theory Choice, and Belief Revision.” forthcoming in *Studia Logica*.

Kevin T. Kelly, Konstantin Genin, Hanti Lin. “Realism, Rhetoric, and Reliability.” *Synthese* 193.4:1191-1223, 2016.

Konstantin Genin, Kevin T. Kelly. “Theory Choice, Theory Change, and Inductive Truth-Conduciveness.” *Proceedings of the Fifteenth Conference on Theoretical Aspects of Rationality and Knowledge (TARK)*, 2015.

Kevin T. Kelly, Konstantin Genin. “Complexity, Ockham’s Razor, and Truth.” collected in *Modes of Explanation: Affordances for Action and Prediction*. Palgrave Macmillan, 2014.

Ryan Carlson, Konstantin Genin, Martina Rau, Richard Scheines. “Student Profiling from Tutoring System Log Data: When do Multiple Graphical Representations Matter?” in *Educational Data Mining*, 2013.

## WORKS IN PROGRESS

Kevin T. Kelly, Konstantin Genin. *Simplicity, and Truth: A Topological Vindication of Inductive Inference and Ockham’s Razor*. (Book in progress)

## TALKS

“Topological Epistemology of Science” June 2018  
with Kevin T. Kelly,  
North American Summer School of Logic, Language and Information (NASSLLI),  
CMU, Pittsburgh.

Reply to “Two Cheers for Akrasia” (Kevin Dorst) January 2018  
Meeting of the American Philosophical Association Eastern Division,  
Savannah, Georgia.

“The Topology of Statistical Verifiability” July 2017  
*XVI<sup>th</sup>* Conference on Theoretical Aspects of Rationality and Knowledge,  
University of Liverpool.

“How Inductive is Bayesian Conditioning?” July 2017  
Workshop in Experience and Updating,  
University Bochum, Germany.

“The Topology of Statistical Inquiry.” June 2017  
Workshop in Philosophy and Physical Computing,  
Virginia Tech, Blacksburg (Invited Talk).

“What is Statistical Deduction?” June 2017  
Workshop in Modality and Method,  
CMU, Pittsburgh.

- Reply to “Credal Omniscience and Relevance Confirmation.” (Joel Pust) March 2017  
Meeting of the American Philosophical Association Central Division,  
Kansas City.
- “Deduction, Induction, Statistics and Topology.” November 2016  
with Kevin T. Kelly,  
Workshop in the Logical Structure of Correlated Information Change,  
Institute for Logic, Language and Computation, Amsterdam.
- “A Topological Explanation of Empirical Simplicity.” November 2016  
with Kevin T. Kelly,  
Philosophy of Science Association Meeting,  
Atlanta.
- “Deduction, Induction, and Statistical Inference.” September 2016  
with Kevin T. Kelly,  
Philosophy of Scientific Experimentation 5,  
University of Belgrade.
- “Simplicity and Scientific Questions.” June 2016  
Questions and Attitudes Workshop,  
Carnegie Mellon University, Pittsburgh.
- “Theory Choice, Theory Change, and Inductive Truth Conduciveness.”
1. Bristol-Gröningen Conference in Formal Epistemology, July 2015  
University of Bristol.
  2. XV<sup>th</sup> Conference on Theoretical Aspects of Rationality and Knowledge, June 2015  
Carnegie Mellon.
  3. Formal Epistemology Workshop, May 2015  
University of Washington, St. Louis.
  4. CSLI Workshop on Logic, Rationality, and Intelligent Interaction, May 2015  
Stanford (Invited Talk).
- “A Topological Theory of Empirical Simplicity.” November 2014  
with Kevin T. Kelly, Hanti Lin,  
Philosophy of Science Association Meeting,  
Chicago.
- “Learning with Ockham: Simplicity in Inductive Inference.” October 2014  
Cool Logic Seminar,  
Institute for Logic, Language and Computation, Amsterdam.
- “An Epistemic Justification of Ockham’s Razor” October 2014

with Kevin T. Kelly,  
René Descartes Lectures,  
Tilburg University.

“The St. Petersburg Paradox.” July 2014  
with Remco Heesen,  
Swiss Institute Exhibition,  
New York City.

“Contraction and the Loss of True Belief.”  
with Ted Shear,

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| 1. North American Summer School in Logic, Language, and Information,<br>Univeristy of Maryland, College Park. | June 2014     |
| 2. Canadian Society for History and Philosophy of Science Meeting,<br>St. Catherine’s, Ontario.               | May 2014      |
| 3. Association of Symbolic Logic North American Meeting,<br>University of Colorado, Boulder.                  | May 2014      |
| 4. Colombian Conference in Logic, Epistemology and Phil. of Science,<br>Universidad de Los Andes, Bogota.     | February 2014 |

“Tracking and Statistical Knowledge.” January 2014  
11th Annual Graduate Student Conference in Epistemology,  
University of Miami.

“When do Multiple Graphical Representations Matter?” July 2013  
with Ryan Carlson, et. al.  
Educational Data Mining Conference,  
Memphis.

“Empirical Simplicity, Efficient Inquiry, and Ockham’s Razor.” June 2013  
with Kevin T. Kelly, Hanti Lin,  
Workshop on the Logic of Simplicity,  
Carnegie Mellon, Pittsburgh.

## **TEACHING EXPERIENCE**

Course Instructor, Carnegie Mellon University	
Causation, Law and Social Policy	Spring 2018
Introduction to Political Philosophy	Summer 2017
Introduction to Philosophy	Fall 2016
Causation, Law and Social Policy	Spring 2016

Introduction to Philosophy	Summer 2015
Introduction to Philosophy	Summer 2014
<i>TA or Grader</i> , Carnegie Mellon University	
Philosophy of Science	Fall 2017
Social Structure, Public Policy and Ethics	Spring 2017
Philosophy of Religion	Spring 2014
Philosophy and Psychology	Fall 2013
Social Structure, Public Policy and Ethics	Spring 2013

## DISCIPLINARY SERVICE

Referee, Sixth International Conference on Logic, Rationality and Interaction	May 2017
Referee, <i>Erkenntnis</i>	May 2017
Organizer, Pitt-CMU Grad Conference in Philosophy	March 2017
Referee, <i>Episteme</i>	December 2016
Referee, <i>Erkenntnis</i>	January 2016
Referee, <i>Ergo</i>	June 2015
Referee, <i>Erkenntnis</i>	May 2015
Referee, <i>British Journal for Philosophy of Science</i>	February 2015
Referee, <i>Studies in History and Philosophy of Science</i>	July 2014
Referee, <i>analytica</i>	December 2014
Referee, Pitt-CMU Grad Conference in Philosophy	Fall 2014
Program Committee, NASSLLI	Summer 2014

## MEMBERSHIPS

American Philosophical Association  
Philosophy of Science Association

## LANGUAGES

English — Native Speaker  
Russian — Fluent  
French — Intermediate  
German — Beginner

## **OTHER WORK EXPERIENCE**

Assistant Economist, Federal Reserve Bank of New York  
Financial Intermediation, Research and Statistics

Nov. 2010 - Jul. 2012

Software Developer, UBS Bank  
Fixed Income Analytics

Jul. 2009 - Nov. 2010