ERIC PACUIT

September 8, 2018

Department of Philosophy
University of Maryland
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College Park, Maryland, USA

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EDUCATION

Ph.D., Graduate Center of the City University of New York, New York, NY, 2005
        Dissertation: *Topics in Social Software: Information in Strategic Situations*
        Committee: Rohit Parikh (GC, chair), Horacio Arló-Costa (CMU), Sergei Artemov (GC),
                Steven Brams (NYU) and Melvin Fitting (GC)

M.S., Mathematics, Case Western Reserve University, Cleveland, OH, 2000

B.S., Mathematics, Ohio University Honors Tutorial College, Athens, OH, 1998

ACADEMIC EMPLOYMENT

University of Maryland, Department of Philosophy
Associate Professor, August 2018 - present
Assistant Professor, August 2012 - August 2018

Tilburg University, Center for Logic and Philosophy of Science
Assistant Professor & Resident Fellow, August 2009 - 2012, *Research Associate*, 2011 - 2014

Stanford University
Acting Assistant Professor, Department of Philosophy, September 2008 - August 2009
Postdoctoral Scholar, Department of Computer, September 2007 - August 2008

University of Amsterdam, Institute for Logic, Language and Computation
Postdoctoral Scholar, August 2005 - August 2007

Brooklyn College, Department of Computer Science
Adjunct Lecturer, August 2000 - June 2005

RESEARCH AREAS

Areas of Specialization	Logic, Game and Decision Theory, Social Choice Theory
Areas of Competence	Formal Epistemology, Philosophy of Economics

GRANTS

NWO Vidi Grant on the Foundations of Social Procedures (Humanities Division), Principal Investigator, 720,000 EUR (including matching funds from Tilburg University), 2009 - 2012.

NSF International Research Fellowship, OISE 0502312, $90,350, 2006 - 2008.

Center for Teaching Excellence, Learning Enhancement Mini-grant $7,000, 2013-2014.

BOOK

Eric Pacuit (2017). *Neighborhood Semantics for Modal Logic*, Springer.
Website: `pacuit.org/modal/neighborhoods`

PUBLICATIONS

Journals Articles

20. Wesley H. Holliday and Eric Pacuit (forthcoming). Arrow's Decisive Coalitions, *Social Choice and Welfare*.

19. John F. Horty and Eric Pacuit (2017). Action Types in Stit Semantics, *Review of Symbolic Logic*, 10(4), pgs. 617 - 637.

18. Eric Pacuit (2015). Dynamics for Probabilistic Common Belief, *Studies in Logic*, 8(4), pgs. 32-53.

17. Eric Pacuit (2015). On the use (and Abuse) of Logic in Game Theory, *Journal of Philosophical Logic*, 44(6), pgs. 741 - 753.

16. Johan van Benthem, David Fernández-Duque and Eric Pacuit (2014). Evidence and Plausibility in Neighborhood Structures, *Annals of Pure and Applied Logic*, 165(1), pgs. 106 - 133.

15. Dominik Klein and Eric Pacuit (2014). Changing Types: Information Dynamics for Qualitative Type Spaces, *Studia Logica*, 102(2), pgs. 297 - 319.

14. Eric Pacuit (2013). Dynamic Epistemic Logic I: Modeling Knowledge and Belief. *Philosophy Compass*, Volume 8, Issue 9, pgs. 798 - 814.

    Dynamic Epistemic Logic II: Logics of Information Change. *Philosophy Compass*, Volume 8, Issue 9, pgs. 815 - 833.

13. Olivier Roy and Eric Pacuit (2013). Substantive assumptions in interaction: a logical perspective. *Synthese*, 190(5), pgs. 891 - 908.

12. Eric Pacuit and Sunil Simon (2011). Reasoning about protocols under imperfect information. *The Review of Symbolic Logic*, Volume 4, Issue 3, pgs. 412 - 444.

11. Johan van Benthem, Eric Pacuit , and Olivier Roy (2011). Toward a Theory of Play: A Logical Perspective on Games and Interaction. *Games*, 2(1), pgs. 52-86

10. Johan van Benthem and Eric Pacuit (2011). Dynamic Logics of Evidence-Based Beliefs. *Studia Logica*, 99(1-3):, pgs. 61-92.

9. Tomohiro Hoshi and Eric Pacuit (2010). Dynamic Logics of Knowledge and Access, *Synthese*, Volume 177, pgs. 29 - 49.

8. Johan van Benthem, Jelle Gerbrandy, Tomohiro Hoshi and Eric Pacuit (2009). Merging Frameworks for Interaction, *Journal of Philosophical Logic*, 38(5), pgs. 491- 526.

7. Helle Hvid Hansen, Clemens Kupke and Eric Pacuit (2009). Neighbourhood Structures: Bisimilarity and Basic Model Theory, *Logical Methods in Computer Science*, 15(2), Dexter Kozen, Ugo Montanari, Till Mossakowski and Jan Rutten (eds.), pgs 1 - 38.

   (Preliminary version appeared under the title Neighborhood Bisimulation in the *Proceedings of the 2nd Conference on Algebra and Coalgebra in Computer Science* (CALCO 2007), Norway, 2007)

6. Benedikt Löwe and Eric Pacuit (2008). An abstract approach to reasoning about games with mistaken and changing belief, *Australasian Journal of Logic*, 6, pgs. 162 - 181.

5. Tijmen Daniëls and Eric Pacuit (2008). A General Approach to Aggregation Problems, *Journal of Logic and Computation*, 19(3), pgs. 517 - 536.

4. Eric Pacuit (2007). Understanding the Brandenburger-Keisler Belief Paradox, *Studia Logica*, 86(3), pgs. 434 - 454.

3. Eric Pacuit (2007). Some Comments on History Based Structures, *Journal of Applied Logic*, 5(4), pgs. 613 - 624.

2. Horacio Arló-Costa and Eric Pacuit (2006). Classical Systems of First-Order Modal Logic, *Studia Logica*, 84(2), pgs. 171 - 210.

   (Preliminary version appeared in the *Proceedings of Theoretical Aspects of Reasoning about Rationality and Knowledge* (TARK 2005), R. van der Meyden (editor), pgs. 262 - 278, 2005)

1. Eric Pacuit , Rohit Parikh and Eva Cogan (2006). The Logic of Knowledge Based Obligation, *Synthese*, 149(2), pgs. 311 - 341.

Book Chapters

12. Dominik Klein and Eric Pacuit (2017). "Focusing on Campaigns", in *Rohit Parikh on Logic, Language and Society*, Outstanding Contributions to Logic, Volume 11, C. Baskent, L. Moss, and R. Ramanujam (eds.), Springer.

11. Eric Pacuit and Fan Yang (2016). "Dependence and Independence in Social Choice: Arrow's Theorem", in *Dependence Logic*, pgs. 235 - 260, S. Abramsky, J. Kontinen, J. Väänänen and H. Vollmer (eds.), Springer.

10. Eric Pacuit and Olivier Roy (2016). "A Dynamic Analysis of Interactive Rationality", in *Epistemology, Knowledge and the Impact of Interaction*, Volume 38, pgs. 187 - 206, J. Redmond, O. Pombo Martins, and A. Nepomuceno Fernndez (eds.), Springer.

9. Eric Pacuit (2015). "Dynamic Models of Rational Deliberation in Games", in *Models of Strategic Reasoning*, pgs. 3 - 33, J. van Benthem, S. Ghosh and R. Verbrugge (eds.), Springer.

8. Valentin Goranko and Eric Pacuit (2014). "Temporal Aspects of the Dynamics of Knowledge", in *Johan van Benthem on Logic and Information Dynamics*, Outstanding Contributions to Logic, Vol. 5, pgs. 235 - 266, A. Baltag and S. Smets (eds.), Springer.

7. Johan van Benthem and Eric Pacuit (2014). "Connecting Logics of Choice and Change" in *Nuel Belnap on Indeterminism and Free Action*, Outstanding Contribution to Logic, Volume 2, pgs. 291 - 314, T. Müller (ed.), Springer.

6. Eric Pacuit (2014). "Procedural Information and the Dynamics of Belief" in *Interdisciplinary Works in Logic, Epistemology, Psychology and Linguistics: Dialogue, Rationality, and Formalism*, Series: Logic, Argumentation & Reasoning, Vol. 3, pgs. 135 - 154, M. Rebuschi, M. Batt, G. Heinzmann, F. Lihoreau, M. Musiol, and A. Trognon (eds.), Springer.

5. Aidan Lyon and Eric Pacuit (2013). "The Wisdom of Crowds: Methods of Human Judgment Aggregation" in *Handbook of Human Computation*, pgs. 599 - 614, P. Michelucci (eds.), Springer.

4. Barteld Kooi and Eric Pacuit (2011). "Logics of Rational Interaction" in *Dynamic Formal Epistemology*, Synthese Library, Volume 351, pgs. 5-32,O. Roy, P. Girard and M. Marion (eds.), Springer.

3. Eric Pacuit (2011). "Towards a Logical Analysis of *Adjusted Winner*" in *Proof, Computation and Agency: Logic at the Crossroads*, Synthese Library, Volume 352, pgs. 229 - 239, A. Gupta, R. Parikh and J. van Benthem (eds.), Springer.

2. Eric Pacuit and Rohit Parikh (2007). "Reasoning about Communication Graphs", in *Interactive Logic*, Texts in Logic and Games, pgs. 135 - 157, J. van Benthem, B. Löwe and D. Gabbay (eds.), University of Amsterdam Press.

1. Eric Pacuit and Rohit Parikh (2006). "Social Interaction, Knowledge, and Social Software", in *Interactive Computation: The New Paradigm*, pgs. 441 - 461, D. Goldin, S. Smolka and P. Wegner (eds.), Springer.

Conference Publications (Peer Reviewed)

14. Aleks Knoks and Eric Pacuit , Deliberating between Backward and Forward Induction Reasoning: First Steps (2015). In *Proceedings of the Fourteenth Conference on Theoretical Aspects of Rationality and Knowledge* (TARK 2015).

13. Eric Pacuit , Arthur Paul Pedersen, and Jan-Willem Romeijn (2013). When is an example a counterexample? In *Proceedings of the Fourteenth Conference on Theoretical Aspects of Rationality and Knowledge* (TARK 2013).

12. Johan van Benthem, David Fernández-Duque, and Eric Pacuit (2012). Evidence logic: A new look at neighborhood structures. In *Proceedings of Advances in Modal Logic* (AiML 2012), Volume 9.

11. Benedikt Löwe, Eric Pacuit and Andreas Witzel (2011). DEL Planning and Some Tractable Cases. In *Logic, Rationality, and Interaction* (LORI 2011), Lecture Notes in Computer Science, vol 6953, van Ditmarsch H., Lang J., and S. Ju (eds.), pgs. 179-192

10. Thomas Icard, Eric Pacuit and Yoav Shoham (2010). Joint Revision of Beliefs and Intentions. In *Proceedings of Knowledge Representation and Reasoning* (KR2010) and (Informal) Proceedings of Nonmonotonic Reasoning (NMR2010).

9. Jonathan Zvesper and Eric Pacuit (2010). A Note on Assumption-Completeness in Modal Logic. In *Proceedings of Logic and the Foundations of Game Theory and Decision Theory* (LOFT 8), LNCS, Volume 6006/2010, G. Bonanno, W. van der Hoek, B. Löwe (eds.), pgs. 190 - 206.

8. Benedikt Löwe, Eric Pacuit and Sanchit Saraf (2009). Identifying the structure of a narrative via an agent-based logic of preferences and beliefs: Formalizations of episodes from CSI:Crime Scene Investigation. In *Proceedings of the Fifth International Workshop on Modeling of Objects, Components and Agents* (MOCA'09), pgs. 45 - 63.

7. Johan van Benthem, Jelle Gerbrandy and Eric Pacuit (2007). Merging Frameworks for Interaction: DEL and ETL, In *Proceedings of Theoretical Aspects of Rationality and Knowledge* (TARK XI).

6. Johan van Benthem and Eric Pacuit (2006). The Tree of Knowledge in Action: Towards a Common Perspective, In *Proceedings of Advances in Modal Logic Volume 6* (AiML 2006), G. Governatori, I. Hodkinson and Y. Venema (eds.).

5. Ulle Endriss and Eric Pacuit (2006). Modal Logics of Negotiation and Preference. In *Proceedings of the 10th European Conference on Logics in Artificial Intelligence* (JELIA 2006), LNAI, volume 4160, Springer-Verlag, M. Fisher, W. van der Hoek, B. Konev, and A. Lisitsa (eds.), pgs. 138-150.

4. Eric Pacuit and Olivier Roy (2006). Preference-Based Belief Dynamics. In *Proceedings of 7th Conference on Logic and the Foundations of Game and Decision Theory* (LOFT 2006), G. Bonanno, W. van der Hoek and M. Woolridge (eds.).

3. Eric Pacuit (2005). Some Comments on Explicit Modal Logics, In *Proceedings of the 5th Panhellenic Logic Symposium*, University of Athens.

2. Eric Pacuit and Samer Salame (2004). Majority Logic. In *Principles of Knowledge Representation and Reasoning: Proceedings of the Ninth International Conference* (KR2004), Whistler, Canada, pgs. 598-605.

1. Samir Chopra, Eric Pacuit and Rohit Parikh (2004). Knowledge-Theoretic Properties of Strategic Voting. In *Proceedings of European Conference on Logics in Artificial Intelligence*, Lecture Notes in Artificial Intelligence, pgs. 18 - 30.

Encyclopedia Entries

2. Eric Pacuit and Olivier Roy (2015). "Epistemic Foundations of Game Theory", *The Stanford Encyclopedia of Philosophy*, Edward N. Zalta (ed.).
   `plato.stanford.edu/entries/epistemic-game/`

1. Eric Pacuit (2012). "Voting Methods", *The Stanford Encyclopedia of Philosophy*, Edward N. Zalta (ed.). `plato.stanford.edu/entries/voting-methods/`

Editorial Work

6. Eric Pacuit (2012). Selected Papers from the 2nd Workshop on Logic, Rationality and Interaction (LORI-II), Special issue of *Journal of Philosophical Logic*, Volume 41, Issue 4.

5. Johan van Benthem, Amitabha Gupta and Eric Pacuit (2011). *Games, Norms and Reasons: Logic at the Crossroads*, Synthese Library, Vol. 353.

4. Johan van Benthem and Eric Pacuit (2010). Temporal Logics of Agency, Special issue of *Journal of Logic, Language and Information*, Volume 19, Number 4, pgs. 389 - 503.

3. Benedikt Löwe, Eric Pacuit , Jan-Willem Romeijn (2009). *Foundations of the Formal Sciences VI, Probabilistic Reasoning and Reasoning with Probabilities*, Studies in Logic 16, King's College Press.

2. Thomas Agotnes, Johan van Benthem and Eric Pacuit (2009). Logic and Intelligent Interaction, Special issue of *Synthese*, 169(2), pgs. 219 - 424.

1. Xiangdong He, John F. Horty and Eric Pacuit (2009). *Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, Volume 5834.

Working Papers

- *Beliefs, propositions and definition descriptions* (with Wes Holliday), Presented at the Formal Epistemology Workshop, 2017.

- *Strategic reasoning* (in preparation)

- *Agreement theorems with qualitative conditional probability* (in preparation)

- *Deliberational dynamics in context* (with Aleks Knoks, submitted)

Invited Speaker

- Colloquium on Reasoning in Social Context, Amsterdam, May, 2018
- The Twelfth International Tbilisi Symposium on Language, Logic and Computation, Tbilisi, Georgia, September, 2017
- Groningen University Philosophy Colloquium, *Deliberation in prediction markets*, Groningen, The Netherlands, June, 2016
- Stockholm University Philosophy Colloquium, *Strategic reasoning in games: From beliefs about mistakes to mistaken beliefs*, Stockholm, Sweden, May, 2016
- Modalities, Conditionals, and Values, Symposium on Philosophical Logic in Celebration of the Centenary of Georg Henrik von Wright, *A Modal Logic of Beliefs with Interpretation Shifts*, Helsinki, Finland, May 23-25, 2016.
- The Fifth International Conference on Logic, Rationality and Interaction (LORI-V), *Reasoning about and with beliefs in games*, Taipei, Tawain, October, 2015.
- TU Delft Applied Logic Talks, *Dependence and Independence in Social Choice Theory*, Delft,

The Netherlands, May 26, 2015

- Logic Talks, *The many routes to Gödel's Theorems*, James Madison University, March 26, 2015.

- Synthese Conference: Qualitative and Quantitative Methods in Formal Epistemology, *Full beliefs, partial beliefs and mistakes in games* Institute for Logic, Language and Computation, Amsterdam, The Netherlands, Nov. 20, 2014

- ESSLLI 2014 Workshop, Epistemic Logic for Individual, Social, and Interactive Epistemology, *What is Forward-Induction Reasoning?*, Tübingen, Germany, 2014.

- The 13th Asian Logic Conference (ALC2013), Special Session on Philosophical Logic, *Dynamic Logic of Evidence and Belief*, Guangzhou, China, September 16-20, 2013.

- 2nd CSLI Workshop on Logic, Rationality and Interaction, *Modeling Deliberation in Game (and Decision) Theory*, Stanford, CA., May 31 - June 2, 2013.

- Dagstuhl Workshop: Dependence Logic: Theory and Applications, *Independence and Dependence in Social Choice*, Dagstuhl, Germany, February 11 - 15, 2013.

- PHLINT 1: An Interdisciplinary Workshop on Beliefs and Desires, *Modeling Deliberation in Game Theory*, University of Maryland, College Park, Saturday, April 6, 2013.

- Public Lecture: Wintersymposium: Logica! als we stemmen, communiceren of liegen, *The Logic Behind Voting and Other Social Interactions*, Academiegebouw, Utrecht, January 8, 2011.

- PhDs in Logic III, *Logics of Informational Attitudes and Informative Actions*, (Invited Tutorial), Brussels, February 17 - 18, 2011.

- International Workshop on Logic and Philosophy of Knowledge, Communication and Action, *Logics of Rational Agency: Actions, Ability and Know-how*, San Sebastian, November 3-5, 2010.

- Structures of Rationality, *Paradoxes of Interactive Rationality*, Kanpur, India, December 2009.

- University of Groningen Logic Colloquium, *Intention Based Belief Revision*, Groningen, November 2009.

- Decisions, Games and Logic, *Logic of Rational Interaction*, Amsterdam, June 2008.

- UCLA Logic Colloquium, *The Tree of Knowledge in Action*, Los Angeles, May, 2008.

- Berkeley Logic Colloquium, *An Overview of Logic in Game Theory*, Berkeley, November 2007.

- Mathematical Methods in Philosophy, *Neighborhood Semantics for First-Order Modal Logic* (with Horacio Arló-Costa), Banff, Canada, February, 2007.

- Logic, Navya-Nyaya and Applications , *Logics for Social Software* and *Introduction to Neighborhood Semantics for Modal Logic*, Calcutta, January, 2007.

- Second Indian Conference on Logic and its Relationship with Other Disciplines, *Comparing Dynamic and Temporal Epistemic Logic*, Mumbai, January, 2007.

- University of Aachen Logic Colloquium, *The Tree of Knowledge in Action: Towards a Common Perspective*, Aachen, September 2006.

- Bloomington Logic Talks at Indiana University, *The Tree of Knowledge in Action: Towards a Common Perspective*, Bloomington, June 2006.

- Pure and Applied Logic Colloquium, *A Logic of Knowledge for Social Software*, Carnegie Mellon University, Pittsburgh, October 2005.

- CUNY Computer Science Colloquium, *Topics in Social Software: Information in Strategic Situations*, CUNY Graduate Center, New York City, June 2005.
- First Indian Conference on Logic and its Relationship with Other Disciplines, *Game Theory and its Foundations*, Indian Institute of Technology, Mumbai, Jan 8-13, 2005.
- August De Morgan Workshop: Interactive Logic and Social Software, *A Logic of Knowledge and Communication for Social Software*, King's College, London, 2005.

CONFERENCE AND WORKSHOP PRESENTATIONS

- Invited Presentation: Workshop on Social Choice and Philosophy, *Deliberation in prediction markets*, Venice, Italy, October, 2016
- Invited Seminar Speaker: Seminar on Logic, Probability and Games, *Knowledge-theoretic aspects of strategic voting*, CUNY, New York City, NY, May 9, 2014.
- Invited Seminar Speaker: CUNY Logic and Games Seminar, *Dynamic Logics of Evidence and Belief*, New York City, NY, November 1, 2013.
- Invited Presentation: CPH LU Workshop on Social Epistemology, *Paradoxes of Interactive Rationality*, Lund University, February 25, 2011.
- Invited Tutorial: LORI-II Tutorial Day, *Logics of Rational Agency* (Invited Tutorial), China, October 2009.
- Invited Commentator: American Philosophical Association, *Commentator on* New Foundations for Imperative Logic II *by P. Vranas*, Pasadena, March, 2008.
- Invited Tutorial: 2nd Indian Logic Winter School, *Logic and the Foundations of Game Theory*, Kanpur, India, January, 2008.
- Invited Presentation: Workshop on Deontic Logic, *Knowledge Based Obligation*, Copenhagen, November, 2007.
- Invited Commentator: KNAW: New Perspectives in Games and Interaction, *Commentator on How Much Coordination is Possible via Correlation? by Adam Brandenburger*, Amsterdam, February, 2007.
- Contributed Talk: Workshop on Logic and Collective Decision Making, *Infinite Majorities*, Lille, 2007.
- Invited Presentation: Workshop for the 70th Birthday Celebration for Krister Segerberg, *Preference Based Belief Dynamics*, Amsterdam, May 2006.
- Invited Presentation: The Logic Tea, *Neighborhood Semantics for First-Order Modal Logic*, ILLC, University of Amsterdam, January 2006.
- Contributed Talk: Some New Results on Adjusted Winner, 1st Conference on Computational Social Choice, Amsterdam, 2006.
- Contributed Talk: A General Approach to Aggregation Problems, August De Morgan Workshop (ADMW 2006): Belief revision, belief merging and social choice, London, November, 2006.
- Contributed Talk: Knowledge Considerations in Strategic Voting, Workshop on Voting Theory and Preference Modeling, October, 2006.
- Contributed Talk: The Tree of Knowledge in Action: Towards a Common Perspective, Advances in Modal Logic 6, September 2006.

- Contributed Talk: Knowledge Based Obligations: Towards an Axiomatization, Studia Logica International Conference: Towards Mathematical Philosophy, Trends in Logic IV, September 2006.
- Contributed Talk: A Logical Analysis of Adjusted Winner, ESSLLI Workshop on Knowledge and Rationality, August 2006.
- Contributed Talk: Understanding the Brandenburger-Keisler Paradox, FEW 2006 (Formal Epistemology Workshop), University of Berkeley, May 2006.
- Invited Presentation: Games, Logic, Language and Computation 10, *The Logic of Communication Graphs*, University of Amsterdam, 2005.
- Invited Presentation: Multi-Agent Resource Allocation, *Some Recent Results on Adjusted Winner*, Budapest, 2005.
- Contributed Talk: Some Comments on History Based Structures, CSMRA-IV, Lisbon, Portugal 2005.
- Contributed Talk: Knowledge in Strategic Situations, Knowledge and Games Workshop (KAG 2004), University of Liverpool, June 2004.
- Contributed Talk: Logic and the Foundations of Game Theory, New York Graduate Student Logic Conference, St. Francis College, November 2004.
- Contributed Talk: Knowledge-theoretic Properties of Strategic Voting, JELIA 2004 (Ninth European Conference on Logics in Artificial Intelligence), 2004.
- Contributed Talk: Majority Logic, KR 2004 (Ninth International Conference on the Principles of Knowledge Representation and Reasoning), 2004.
- Invited Presentation: New Developments in Logics of Knowledge and Belief, *The Logic of Communication Graphs*, CUNY Graduate Center, May 2004.

TEACHING EXPERIENCE

University of Maryland

Undergraduate Courses

- PHIL170: Introduction to Logic (Fall 2015, Fall 2016, Fall 2017)
- PHIL218A: Reasoning for Humans: Clear Thinking in an Uncertain World (Spring 2018)
- PHIL370: Symbolic Logic (Fall 2012, Fall 2016)
- PHIL470: Undecidability and Incompleteness (Spring 2013, Spring 2015, Spring 2017)
- PHIL309P: Philosophy, Politics and Economics (Spring 2016, Spring 2017, Spring 2018)
- PHIL408I: Topics in Contemporary Philosophy: Individual & Group Decision Making (Spring 2014, Spring 2015)
- HONR278X: Clear Thinking in an Uncertain World: Human Reasoning and Its Foundations (Fall 2013)
- PHIL418A: Models and Simulations in Philosophy (Fall 2017)
- PHIL478P: Philosophical Logic: Reasoning about Knowledge and Beliefs (Fall 2013)
- PHIL408R: Topics in Contemporary Philosophy: Rational Choice (Spring 2013)
- PHIL308S: Studies in Contemporary Philosophy: Voting Theory and Fair Division (Fall 2012)

Graduate Courses

- PHIL858K: Seminar in Logic and Philosophy of Science - Logical and Probabilistic Models of Belief Revision (Spring 2016)
- PHIL858E: Seminar in Logic and Philosophy of Science - Epistemic Game Theory (Spring 2014)
- PHIL 858A: Seminar in Logic and Philosophy of Science - Modal Logic (Spring 2012)

Tilburg University

- Rationality (Fall 2010, Spring 2011)

Stanford University

- Model Theory (Fall 2008)
- First-Order Logic (Winter 2009)
- Computability and Logic (Spring 2009)
- Logic and Rational Interaction (with Yoav Shoham, Spring 2009)
- Freshman Seminar: Can Machines Know? Can Machines Feel? (with Yoav Shoham, Spring 2008, Fall 2008)

Institute for Logic, Language and Computation

- Model Theory (Spring 2006)
- Seminar on Decisions, Games and Logic (Spring 2006)
- Recursion Theory (Fall 2005)
- Introduction to Modal Logic (Fall 2005)

Brooklyn College

- Introduction to Theoretical Computer Science (5 semesters)
- Analysis of Algorithms (4 semesters)
- Discrete Mathematics (3 semesters)
- Advanced C Programming (3 semesters)
- Unix Shell Programming (10 semesters)
- Introduction to C Programming (2 semesters)
- Multimedia Programming (1 semester)
- Introduction to Computer Science (2 semesters)

Other Courses

- Introduction to Logic, Department of Philosophy, New York University, Spring 2003.
- Calculus, Case Western Reserve University, Fall 1999, Spring 2000.
- College Algebra, Case Western University, Fall 1998, Spring 1999.
- College Algebra, Cuyahoga Community College, Fall 1999

Short Course and Summer Schools

Many of these have been taught at ESSLLI (European Summer School on Logic, Language and Information)
and NASSLLI (North American Summer School for Logic, Language and Information). Each course consisted
of five 90 minute lectures.

- Reasoning in Games: Players as Programs, ESSLLI 2018, Sofia, Bulgaria
  `pacuit.org/esslli2018/gamereasoning/`
- Aggregating Judgement: Logical and Probabilistic Approaches, ESSLLI 2018, Sofia, Bulgaria
  `pacuit.org/esslli2018/aggregation/`
- Logical and Probabilistic Models of Belief Change, Nordic Logic Summer School, Stockholm,
  Sweden, August 2017
  `pacuit.org/nls2017/belchange/`
- Puzzles and Paradoxes about Games and Decisions, ESSLLI 2017, Toulouse, France
  `pacuit.org/esslli2017/paradoxes_games_dec/`
- Social Choice Theory for Logicians, ESSLLI 2016, Bozen-Bolzano, Italy
  `pacuit.org/esslli2016/socchthy_logic/`
- Neighborhood Semantics for Modal Logic, Short Course, Institute for Logic, Language and
  Computation, University of Amsterdam, June, 2016.
  `pacuit.org/teaching/nbhd2016/`
- Logical and Probabilistic Models of Belief Change, NASSLLI 2016, Rutgers, NJ
  `pacuit.org/nasslli2016/belrev/`
- Reasoning in Games, ESSLLI 2015, Barcelona, Spain
  `pacuit.org/esslli2015/reasgames/`
- Neighborhood Semantics for Modal Logic, ESSLLI 2014, Tübingen, Germany
  `pacuit.org/esslli2014/nbhd`
- Ten Paradoxes and Puzzles about Knowledge and Belief (with Wes Holliday), ESSLLI 2013,
  Düsseldorf, Germany
  `pacuit.org/esslli2013/epistemic-puzzles`
- Models of Strategic Reasoning, ESSLLI 2012, Opole, Poland
  `web.pacuit.org/esslli2012/stratreas.html`
- Epistemic Game Theory (with Olivier Roy), ESSLLI 2012, Opole, Poland
  `web.pacuit.org/esslli2012/epgmth.html`
- Social Choice Theory for Logicians, NASSLLI 2012, Austin, TX
  `web.pacuit.org/classes/nasslli2012/logsoc.html`
- Logics of Rational Agency, NASSLLI 2010, Bloomington, IN
  `web.pacuit.org/lograt/nasslli2010.html`
- Logic, Interaction and Collective Agency (with Olivier Roy), ESSLLI 2010, Copenhagen,
  Denmark
  `web.pacuit.org/lograt/esslli2010.html`
- Logics of Rational Agency, ESSLLI 2009, Bordeaux, France
  `web.pacuit.org/classes/esslli/log-ratagency.html`
- Reasoning with Probabilities (with Joshua Sack), ESSLLI 2009, Bordeaux, France
  `web.pacuit.org/classes/esslli/epprob.html`

- Reasoning, Games, Action, and Rationality (with Olivier Roy), ESSLLI 2008, Hamburg, Germany
- Introduction to Formal Epistemology (with Rohit Parikh), ESSLLI 2007, Dublin Ireland
  `web.pacuit.org/classes/esslli/formep_esslli.html`
- Neighborhood Structures, ESSLLI 2007, Dublin, Ireland
  `web.pacuit.org/classes/esslli/nbhd_esslli.html`

Massive Open Online Course (Coursera)

- Making Better Group Decisions: Voting, Judgement Aggregation and Fair Division (`www.coursera.org/course/votingfairdiv`)

STUDENT SUPERVISION

PhD Supervision

- Michael Zenz, (co-supervisor with Christopher Morris), University of Maryland, 2015 (Dissertation: *Public Opinion, Preference Instability and Democratic Theory*)
- Dominik Klein, (co-supervisor with Jan Sprenger and Stephan Hartman), Tilburg University, 2015 (Dissertation: *Social Interaction, a Formal Exploration*, cum laude).

PhD Committee Member

- Charles Barclay, University of Maryland, in progress
- Julius Schoenherr, University of Maryland, in progress
- Aleks Knoks, University of Maryland, in progress
- Christian Tarsney, University of Maryland, 2017 (Dissertation: *Rationality and Moral Risk: A Moderate Defense of Hedging*)
- Logan Fletcher, University of Maryland, 2016 (Dissertation: *Visual Insight in Geometry*)
- Brock Rough, University of Maryland, 2016 (Dissertation: *Are Videogames Art?*)
- Lucas Dunlap, University of Maryland, 2015 (Dissertation: *Deutsch's CTC Model and its Implications for the Foundations of Quantum Theory*)
- Sungwon Woo, University of Maryland, 2015 (Dissertation: *From Social Choice to System Choice: A Problem for Lewis's Best System Analysis*)
- Wesley H. Holliday, Stanford University, 2012 (Dissertation: *Knowing What Follows: Epistemic Closure and Epistemic Logic*)
- Paolo Turrini, Utrecht University, 2011 (Dissertation: *Strategic Reasoning in Interdependence: Logical and Game-theoretical Investigations*)

Masters Thesis Supervision

- Yacin Hamami, *The Interrogative Model of Inquiry meets Dynamic Epistemic Logics*, Masters Thesis Supervisor (with Johan van Benthem), ILLC, Universiteit van Amsterdam, Fall 2010.
- Lena Kurzen, *Logics of Cooperation and Preference*, Masters Thesis Supervisor (with Ulle Endriss), ILLC, Universiteit van Amsterdam, Summer 2007.

- Can Baskent, *Topics in Subset Space Logic*, Masters Thesis Supervisor, ILLC, Universiteit van Amsterdam, Summer 2007.
- Tijmen Daniëls, *Social Choice and Logic via Simple Games*, Masters Thesis Supervisor, ILLC, Universiteit van Amsterdam, Spring 2007.
- Jort Bergefeld, *Epistemic Logic*, Undergraduate Thesis Supervisor, ILLC, Universiteit van Amsterdam, Spring 2007.
- Johathan Zvesper *A Revised Version: Belief Revision and Epistemic Acts*, Masters Thesis Supervisor (with Krister Segerberg), ILLC, Universiteit van Amsterdam, Fall 2006.

ACADEMIC SERVICE

Department Service (University of Maryland)

- Department website designer and coordinator (`www.philosophy.umd.edu`), 2012 - present
- Co-placement officer, 2015 - present
- Graduate admissions committee, 2016-present
- Assistant professor search committee (Snider search), 2016-2017
- Undergraduate curriculum committee, 2013 - present
- Salary committee, 2013-2015, 2017-present

University Service (University of Maryland)

- MOOC (Massive Open Online Courses) advisory board (2016 - present)

Reviewing

- Subject Editor *Stanford Encyclopedia of Philosophy*, Logic, Computation and Agency.

- Reviewer for Synthese; Journal of Logic and Computation; Journal of Philosophical Logic; The Review of Symbolic Logic; SIAM Journal of Discrete Mathematics; Journal of AI Research; European Science Foundation; Erketnnis; Studia Logica; NWO (Dutch Science Foundation); Morgan & Claypool Publishers; Mathematical Social Science; International Journal of Game Theory; Austrian Science Foundation

- PC Member: AAMAS 2006 (Fifth International Joint Conference on Autonomous Agents and Multiagent Systems); ECAI 2006 (European Conference on Artificial Intelligence); SOFSEM 2007 (Current Trends in Theory and Practice of Computer); COMSOC-2006 (1st International Workshop on Computation Social Choice); AAMAS 2007 (Sixth International Joint Conference on Autonomous Agents and Multiagent Systems); LCD07 (Workshop on Logic and Collective Decision Making, 2007); AAAI 2008 (Association for the Advancement of Artificial Intelligence); TARK 2009 (Theoretical Aspects for Rationality and Knowledge); NASSLLI 2010 (North American Summer School for Logic, Language and Information); ESSLLI 2011 (Logic and Computation Chair); TARK 2011 (PC and Tutorial Chair); LOFT 2014; DEON 2014; AiML 2018 (PC Member), IJCAI/ECAI 2018 (PC Member); LOFT 2018 (PC Member)

Organizing Activities

- North American Summer School for Logic, Language and Information (local organizing co-chair), NASSLLI 2014
`www.nasslli2014.com`

- Logic, Rationality, and Intelligent Interaction, ESSLLI 2010 (co-organizer)
  `ai.stanford.edu/∼epacuit/lograt/wkshp-esslli2010.html`

- Logics of Rational Interaction (LORI 2009), Chongqing, China, October 8 - 11, 2009 (PC co-chair)
  `loriweb.org/lori2009`

- Theoretical Aspects of Rationality and Knowledge (TARK XII), Stanford, June 6 - 8, 2009 (local organizing chair)
  `ai.stanford.edu/∼epacuit/tark09`

- Logical Methods in the Humanities: The Logic and Mathematics of Voting, Stanford, Fall 2008 (co-organizer)
  `ai.stanford.edu/∼epacuit/lmh`

- Logic and Intelligent Interaction, ESSLLI, August 2008 (co-organizer)
  `ai.stanford.edu/∼epacuit/LaII/`

- Foundations of the Formal Sciences VI: Reasoning about Probabilities and Probabilistic Reasoning, Amsterdam, May 2007 (co-organizer)
  `www.math.uni-bonn.de/people/fotfs/VI/`

- Workshop on *Converging Paradigms? Comparing Temporal Frameworks for Logics of Knowledge and Actions*, Amsterdam, December 2006 (co-organizer)
  `staff.science.uva.nl/∼epacuit/socsit/`

- Coordinate the Knowledge, Games and Beliefs group of CUNY (with Rohit Parikh). Organize weekly seminar series and give expository and research related talks (2001 - 2005).