

ARTHUR PAUL PEDERSEN

- CONTACT INFORMATION 425 South Aiken Avenue, Apt. 1 Phone: +1 412.268.9669
Pittsburgh, PA 15232 USA E-mail: apaulpedersen@cmu.edu
- RESEARCH INTERESTS Epistemology, Belief Revision, Rational Choice, Philosophical Logic, Philosophy of Logic, Metaphysics, Philosophy of Science, Philosophy of Mathematics, Philosophy of Language
- EDUCATION
- Carnegie Mellon University** August 2006 – Present
Graduate Student, Department of Philosophy
Advisor: Horacio Arló-Costa
- University of Wisconsin-Madison** August 2005 – December 2005
Researcher in the Department of Mathematics, Special Student
Advisor: Itai Ben Yaacov
- University of Notre Dame** June 2005 – July 2005
Visitor of the Department of Mathematics on Scholarship
- University of Wisconsin-Madison** January 2002 – May 2005
B.A., Philosophy, 2005
B.A., Mathematics, 2005
- University of Wisconsin-Milwaukee** August 2000 – December 2001
- WORK IN PROGRESS
- “Truth in Continuous First-Order Logic.” (Revised: 14 December 2008).
 - “Pseudo-rationalizability over Infinite Choice Spaces.” (Revised: 17 June 2009).
 - “Rational Choice and Conditional Obligation” (with Horacio Arló-Costa).
- PUBLICATIONS
- “A Proof of Completeness for Continuous First-Order Logic” (with Itai Ben Yaacov). Forthcoming in *Journal of Symbolic Logic*.
 - “Bounded Rationality: Models for Some Fast and Frugal Heuristics” (with Horacio Arló-Costa). Forthcoming in A. Gupta and J.F.A.K. van Benthem, editors, *Proceedings of the Second Indian Conference on Logic and its Relationship with Other Disciplines*. A tribute to Rohit Parikh on the occasion of his 70th birthday.
 - “Social Norms, Rational Choice and Belief Change” (with Horacio Arló-Costa). Forthcoming in E.J. Olsson, editor, *Science in Flux: Belief Revision in the Context of Scientific Inquiry*. Springer, 2009.
- PRESENTATIONS
- “Comments on Sarah Moss’s ‘Updating as Communication.’” (19 June 2009). Formal Epistemology Workshop.
 - “Comments on Paul Weirich’s ‘Calibration.’” (20 February 2009). Central Division Meeting of the American Philosophical Association.
 - “Completeness for Continuous First-Order Logic.” (10 April 2007). Math Logic Seminar, Carnegie Mellon University.
 - “Completeness for Continuous First-Order Logic.” (2 March 2006). Tom Kent Logic Seminar, University of Wisconsin-Madison.
- HONORS AND AWARDS
- Chancellor’s Fellowship for Graduate Study, awarded by the Graduate Dean of the University of California, Berkeley, to pursue a doctoral degree in the Group in Logic and the Methodology of Science, 2008 – 2011 (award declined)

HONORS AND
AWARDS
(CONT'D)

- Nuffic HSP Huygens Scholarship, awarded by the Dutch Ministry of Education, Culture and Science, to study at the Institute for Logic, Language and Computation of the Universiteit van Amsterdam, 2006 – 2008 (award declined)
- NSF VIGRE grant to conduct research on continuous first-order logic, 2005 – 2006
- Notre Dame Department of Mathematics Scholarship to participate in proof theory course at the University of Notre Dame, Summer 2005
- Elected member of the Phi Beta Kappa academic honor society
- Dean's Honor List

PROFESSIONAL
ACTIVITIES

Referee July 2007 – Present
Referee for the *Journal of Philosophical Logic*, *Review of Symbolic Logic*

- Produce referee reports for journal articles

Committee Member August 2007 – Present
Committee for the Annual Pitt-CMU Graduate Student Philosophy Conference

- Represent the graduate students of the Department of Philosophy of Carnegie Mellon University
- Share responsibility to organize and realize the annual graduate student philosophy conference co-sponsored by the Department of Philosophy of Carnegie Mellon University and the Department of Philosophy and the Department of History and Philosophy of Science of the University of Pittsburgh

ACADEMIC
EXPERIENCE

Grader August 2009 – Present
Carnegie Mellon University, Department of Philosophy

- Grade assignments, maintain records, and held office hours for *Rational Choice*

Grader January 2009 – May 2009
Carnegie Mellon University, Department of Philosophy

- Grade assignments, maintain records, and held office hours for *Language and Thought*

Grader August 2008 – December 2008
Carnegie Mellon University, Department of Philosophy

- Graded assignments, maintained records, and held office hours for *Introduction to Political Philosophy*

Grader January 2008 – May 2008
Carnegie Mellon University, Department of Philosophy

- Graded assignments, maintained records, and held office hours for *Continental Philosophy*

Teaching Assistant August 2007 – December 2007
Carnegie Mellon University, Department of Philosophy

- Ran two recitation sections for *What Philosophy Is*
- Prepared material for recitation sections, graded assignments, maintained grade records, and held office hours

Instructor July 2007 – August 2007
Carnegie Mellon University, Department of Philosophy

- Prepared and presented lectures for *Arguments and Logical Analysis*
- Graded assignments, maintained records, and held office hours

Grader January 2007 – May 2007
Carnegie Mellon University, Department of Philosophy

- Graded assignments, maintained records, and held office hours for *Computers, Society, and Ethics*

ACADEMIC
EXPERIENCE
(CONT'D)

Grader January 2007 – May 2007
Carnegie Mellon University, Department of Mathematical Sciences

- Graded assignments, maintained records, and held office hours for *Set Theory*

Teaching Assistant August 2006 – December 2006
Carnegie Mellon University, Department of Philosophy

- Ran two recitation sections for *What Philosophy Is*
- Prepared material for recitation sections, graded assignments, maintained grade records, and held office hours

Researcher August 2005 – December 2005
University of Wisconsin-Madison, Department of Mathematics

- Researched the proof theory and model theory of continuous first-order logic under the direction of Itai Ben Yaacov
- Devised the first proof of completeness for continuous logic, resulting in a paper meriting publication

Instructor/Tutor August 2002 – December 2005
University of Wisconsin-Madison, TRIO Program

- Prepared tests and educational material for elementary and advanced mathematics and philosophy courses
- Instructed classes and tutored students individually and in groups

Seminar Co-leader May 2005 – August 2005
University of Wisconsin-Madison, Department of Philosophy

- Co-led seminar in modal logic with two graduate students

Teaching Assistant June 2002 – August 2002
University of Wisconsin-Madison, PEOPLE Program

- Shared responsibility for lectures, exams, homework assignments, and grades