

ALEXANDER PASEAU

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Nationality: British

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RESEARCH & TEACHING

Research: Philosophy of Mathematics, Philosophical Logic, Metaphysics, Epistemology

Teaching: Philosophy of Language, Philosophy of Science, Introductory Philosophy of Physics (SR, QM)

EMPLOYMENT

University (CUF) Lecturer in Philosophy , Oxford University	2005-
Stuart Hampshire Fellow and Tutor in Philosophy , Wadham College, Oxford University	2005-
Junior Research Fellow , Jesus College, Cambridge University	2002-2005
Director of Studies in Philosophy , Queens' College, Cambridge University	2002-2004
Director of Studies in Philosophy , Jesus College, Cambridge University	Michaelmas 2003

HIGHER EDUCATION

Ph.D. in Philosophy , Trinity College, Cambridge University	1999-2003
Visiting Graduate Student , Philosophy Department, Princeton University	Spring & Fall 2001
B.Phil. in Philosophy , Merton College, Oxford University	1997-1999
B.A. in Mathematics/Philosophy , Trinity College, Cambridge University	1993-1997

Student Awards, Prizes and Distinctions

Trinity College Rouse Ball Travelling Studentship, AHRB Overseas Visit Award	2001
Timothy Joyce Scholarship (awarded to the most promising entrant(s) for the Ph.D. in Philosophy at Cambridge University; sole recipient)	1999
Trinity College Research Scholarship and Internal Graduate Studentship	1999-2002
B.Phil. in Philosophy: joint first in year	1999
British Academy & AHRB Postgraduate Studentships, Competitions A & B	1997-2001
Part II of Philosophy Tripos: Class I (1+, joint first in year)	1997
Parts IA, IB, II(b) of Mathematical Tripos: Class I, Class I, Wrangler	1994-6
Trinity College Junior Scholarship, Senior Scholarship, Yeats Mathematical Essay Prize	1994/95/96
International Mathematical Olympiad, UK team member (Bronze Medal)	1993

PUBLICATIONS

EDITED BOOK

Mathematical Knowledge, co-edited with M. Leng & M. Potter (Oxford University Press, 2007).

ARTICLES/BOOK CHAPTERS

1. "The Definitions of Ultimate Ontological Basis and the Fundamental Layer", *Philosophical Quarterly* (forthcoming 2009).
2. "How to type: reply to Halbach", *Analysis* (forthcoming April 2009).
3. "Reducing Arithmetic to Set Theory", in Ø. Linnebo & O. Bueno (eds), *New Waves in the Philosophy of Mathematics and Logic* (forthcoming 2009, Ashgate).
4. "Justifying induction mathematically: strategies and functions", *Logique et Analyse* (forthcoming September 2008).
5. "Motivating Reductionism about Sets", *Australasian Journal of Philosophy* 86 (2008), pp. 295-307.
6. "Fitch's Argument and Typing Knowledge", *Notre Dame Journal of Formal Logic* 49 (2008), pp. 153-176.
7. "Scientific Platonism", in M. Leng, A. Paseau & M. Potter (eds), *Mathematical Knowledge* (Oxford University Press, 2007), pp. 123-149.
8. "Boolos on the Justification of Set Theory", *Philosophia Mathematica* 15 (2007), pp. 30-53.
9. "Genuine Modal Realism and Completeness", *Mind* 115 (2006), pp. 721-9.
10. "The Subtraction Argument(s)", *Dialectica* 60 (2006), pp. 145-156.
11. "Naturalism in Mathematics and the Authority of Philosophy", *British Journal for the Philosophy of Science* 56 (2005), pp. 399-418.
12. "On an Application of Categoricity", *Proceedings of the Aristotelian Society* 105 (2005), pp. 411-415.
13. "The Open-Endedness of the Set Concept and the Semantics of Set Theory", *Synthese* 135 (2003), pp. 379-399.
14. "Why the Subtraction Argument Does Not Add Up", *Analysis* 62 (2002), pp. 74-76.
15. "Should the Logic of Set Theory Be Intuitionistic?", *Proceedings of the Aristotelian Society* 101 (2001), pp. 369-378.

BOOK REVIEWS

- Review of *Mathematical Thought and its Objects* by Charles Parsons, *Australasian Journal of Philosophy* (forthcoming)
- Review of *Logical Pluralism* by JC Beall and Greg Restall, *Mind* 116 (2007), pp. 391-6.
- "What the Foundationalist Filter Kept Out", Essay Review of *Towards a Philosophy of Real Mathematics* by David Corfield, *Studies in History and Philosophy of Science* 36 (2005), pp. 191-201.
- Review of *The Search for Certainty* by Marcus Giaquinto, *Philosophical Books* 46 (2005), pp. 382-384.
- Review of *Resemblance Nominalism* by Gonzalo Rodriguez-Pereyra, *European Journal of Philosophy* 13 (2005), pp. 146-150.

ENCYCLOPEDIA ENTRIES

- "Naturalism in the Philosophy of Mathematics", *Stanford Encyclopedia of Philosophy* [online]
- "Naturalised Philosophy of Mathematics", *Routledge Encyclopedia of Philosophy* (forthcoming 2009)

TALKS

Research Presentations

- Title tbc, *Conference on the Philosophy of Mathematics*, University of Hertfordshire, July 2009
- “On Area”, *Philosophy and History of Science Seminar*, Bristol University, November 2008
- “Mathematical Instrumentalism, Non-Deductive Reasoning in Mathematics and the A Priori”, *A Priori Knowledge Workshop*, Aberdeen University, April 2008
- “Hilbert, Gödel, and Non-Deductive Reasoning in Mathematics”, *Mathematical Methods in Philosophy*, Bristol University, September 2008; *Issues in the Philosophy of Mathematics Conference*, Manchester University, March 2008; *RSS Philosophy Seminar Series*, Australian National University, March 2008; *Current Projects Seminar*, Sydney University, February 2008
- “Reducing Mathematics to Set Theory”, *Departmental Seminar*, Birkbeck College School of Philosophy, May 2008, *New Waves in the Philosophy of Mathematics Conference*, Miami, April 2008.
- “Can Philosophy Overrule Science?”, *Undergraduate Philosophy Society*, Reading University, October 2006
- “Resemblance Nominalism”, *Departmental Seminar*, Sheffield University Philosophy Department, October 2006
- “The Judgement-Independence of Mathematics and Logic”, *PhilEAs Lecture Series*, University of Geneva, May 2006; *Philosophical Society*, Oxford University, May 2006; *Philosophy of Mathematics Seminar*, Oxford University, November 2005
- “Objectivity in Mathematics and Logic”, *British Logic Colloquium*, Bristol, September 2005
- “The Naturalist Argument for Platonism”, *Department Colloquium*, York Philosophy Department, November 2004
- “Scientific Platonism, Epistemology, and the Naturalist Argument”, *Mathematical Knowledge Conference*, Cambridge University, July 2004
- “Does Mathematics Have a Given Interpretation?”, *Cambridge University Society for the Philosophy of Mathematics and Mathematical Sciences*, December 2003; *Logic Seminar*, Cambridge University, May 2003
- “Methodological Reflections on Philosophy of Mathematics”, *Research Seminar in the Philosophy of Natural Science*, London School of Economics, November 2003
- “Philosophy as Systematic Synthesis: The Notion of a Total Belief System”, *21st World Congress of Philosophy*, Istanbul, August 2003
- “Against Descriptive Fictionalism”, *Logic Seminar*, Cambridge University, November 2002
- “The Authority of Philosophy”, *Philosophy Graduate Seminar*, Cambridge University, October 2002
- “The Default Construal of Mathematics”, *Moral Sciences Club*, Cambridge University, February 2002
- “The Platonism of Mathematics”, *Ockham Society*, Oxford University, February 2002
- “Should the Logic of Set Theory Be Intuitionistic?”, *Mind Association and Aristotelian Society Joint Session*, Sheffield, July 2000; *Philosophy of Mathematics Workshop*, Cambridge University, March 2000
- “The Intuitionistic Acceptability of Brouwer’s Theorems in Topology”, *Authorities for the Rise of Modern Logic Graduate Seminar*, Oxford University, June 1998

Responses

Faculty Respondent, Oxford Graduate Philosophy Conference 2007, “Gloppy Trope Bundles” by Dan Gilberman

Other

Talks at secondary schools, introducing topics in philosophy and in the philosophy of mathematics.

TEACHING & EXAMINING

Graduate Supervision

Oxford University

(Primary) D.Phil. Supervisor: Robert Schwartzkopff, Preliminary Dissertation Title: “On What There Really Is: Universals, Metaphors and Hermeneutic Fictionalism”. Oct. 2006-
B.Phil. Supervisor: Philosophical Logic and Philosophy of Language (2006); Frege (2006);
Authorities for the Rise of Modern Logic (2007).

Cambridge University

M.Phil. (2004-5): supervised M.Phil. essays on Metaphysics, Philosophy of Logic and
Philosophy of Mathematics.

Lecture Courses & Seminars

Oxford University

Graduate seminar on Probability and Belief (Hilary & Trinity 2009, with Scott Sturgeon);
Bayesian Epistemology (Michaelmas 2007), Philosophy of Mathematics (Michaelmas 2007,
Michaelmas 2006), Frege: *Foundations of Arithmetic* (Trinity 2009, Trinity 2006).

Cambridge University

Graduate Seminar in Epistemology (Michaelmas 2004); Set Theory (Lent 2005, Michaelmas
2002), Modal Logic (Michaelmas 2004, Michaelmas 2003), Personal Identity (Easter 2004),
Philosophy of Mathematics: Structuralism (Lent 2004, Lent 2003), First and Second Order Logic
(Michaelmas 2003), Theories (Lent 2002).

Tutorial Courses

Oxford University (1998 & 2005-present)

FHS: Knowledge and Reality, Philosophy of Mathematics, Philosophy of Religion, Philosophy of
Science and Philosophy of Psychology and Neuroscience, Philosophy of Logic and Language,
Philosophy of Science and Social Science, Philosophy of Mind, Formal Logic, Set Theory, The
Original Authorities for the Rise of Modern Logic, Intermediate Philosophy of Physics.
FPE: General Philosophy, Introduction to Logic, Frege.

Cambridge University (1999-2005)

Hume’s *Dialogues Concerning Natural Religion* (Part IA), Logic (Part IA & IB), Mathematical
Logic (Part II), Metaphysics (Part IB & II), Metaphysics & Philosophy of Mind (Part IA & IB),
Philosophical Logic (Part II), Philosophy of Logic and Language (Part II),
Philosophy of Mind (Part IB & II), Philosophy of Science (Part IB).

Examining

Oxford University, DPhil

Internal Examiner: Thomas Kroedel, “A Priori Knowledge of Modal Truths”, April 2007.

Oxford University, BPhil

Assessor & Exam setter (2006/7), Assessor (2007/8)

Oxford University, Philosophy Joint Schools BA/MMathPhil/MPhysPhil

FHS assessor: Knowledge & Reality (2006), Philosophy of Logic and Language (2007), The Original
Authorities for the Rise of Modern Logic (2007, 2006), Philosophy of Mathematics (2007), Frege,
Russell & Wittgenstein (2007)

FHS exam setter: Philosophy of Logic and Language (2007, 2006), Formal Logic (2007, 2006),
Frege, Russell & Wittgenstein (2007)

FPE assessor: General Philosophy (2007, 2006), Introduction to Logic (2007, 2006)

FPE examiner & exam setter: General Philosophy (2008)

FPE resit exam setter: Introduction to Logic (2008)

Cambridge University, History and Philosophy of Science MPhil

MPhil Essay Examiner (2004)

Cambridge University, Philosophy BA

Tripos assessor: Part II Philosophical Logic (2003), Part IB Logic (2002), Part IA Logic (2004)

PROFESSIONAL SERVICE

Faculty

Philosophy Faculty, Oxford University

Member, Mathematics & Philosophy Joint Consultative Committee (2005-)
Mathematics & Philosophy Undergraduate Admissions Coordinator (2006)
Graduate Teaching Co-Ordinator (2008-)

College Service

Wadham College, Oxford University

Philosophy CUF Lectureship Appointment Committee (2007)
Philosophy Stipendiary Lectureship Committee (2006, 2005)
Mathematics University Lectureship Appointment Committee (2007)
Member of Governing Body and Tutorial Board (2005-),
Member of Academic Panel (2006-)
Member of Liaison Committee (2007-)

Conference Organisation

“Mathematical Knowledge”, an international interdisciplinary conference, Cambridge University, 30 June-2 July 2004.
Joint organiser: suggested conference theme, drew up budget, secured funding, jointly responsible for advertising & inviting speakers.

Lectureship Committee

External member of Philosophy of Mathematics Lectureship appointment committee, Warwick University (2008)

Refereeing

Book Proposals: *Oxford University Press, Routledge*
Book Manuscripts: *Princeton University Press, Blackwell, Oxford University Press*
Journal Articles: *Studies in History and Philosophy of Science, Dialectica* (× 3), *Erkenntnis*, *British Journal for the Philosophy of Science* (× 2), *Mind* (× 2), *Noûs*, *Philosophical Quarterly*, *Philosophy and Phenomenological Research*, *Journal of Philosophical Logic*, *Synthese*, *Philosophia Mathematica*, *Pacific Philosophical Quarterly*.
Grant Proposal: *National Research Foundation (RSA)*

LANGUAGES

Native speaker of French and Greek, competence in Spanish and Latin reading, some German

REFEREES

Prof. Dorothy Edgington, *Waynflete Professor of Metaphysical Philosophy Emerita, Oxford University*
Magdalen College, Oxford OX1 4AU dorothy.edgington@philosophy.ox.ac.uk

Dr Alex Oliver, *Reader in Philosophy, Cambridge University*
Gonville and Caius College, Cambridge CB2 1TA ado10@cam.ac.uk

Prof. Timothy Williamson, *Wykeham Professor of Logic, Oxford University*
New College, Oxford OX1 3BN timothy.williamson@philosophy.ox.ac.uk

November 2008