

Benedict Eastaugh

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ACADEMIC POSITIONS

2015– Network Facilitator for the Set Theoretic Pluralism network at the University of Aberdeen, funded by a Leverhulme International Network grant.

EDUCATION

2015 PhD Philosophy, University of Bristol.
Thesis: ‘Reverse Mathematics: A Philosophical Account’. Supervisor: Leon Horsten.
2011 MA Logic and Philosophy of Mathematics, University of Bristol.
2007 BA Philosophy, University of Bristol.

RESEARCH INTERESTS

AOS: Logic, Philosophy of Mathematics.
AOC: Philosophy of Language and Logic, Metaphysics, History of Logic.

PUBLICATIONS

BOOK CHAPTERS

‘Tarski’, forthcoming in A. Malpass and M. Antonutti Marfori (eds.), *An Introduction to the History of Philosophical and Formal Logic: From Aristotle to Tarski*, Bloomsbury Publishing.

SUBMITTED

‘Computational reverse mathematics and foundational analysis’,
revise-and-resubmit at the Review of Symbolic Logic.

IN PREPARATION

‘Set existence and closure conditions: unravelling the standard view of reverse mathematics’.
‘Book Review: Denis R. Hirschfeldt, Slicing the Truth’, to appear in *Studia Logica*.

SCHOLARSHIPS

2011 Doctoral studentship from the Arts and Humanities Research Council, 2011–2015.

AFFILIATIONS

Visitor at the IHPST, Paris, spring and summer 2015.
Visitor at the Munich Center for Mathematical Philosophy, summer 2014.

TALKS

INVITED TALKS

- 2015 **Ontological commitment and reverse mathematics**
Berkeley-Paris workshop on ontological commitment in mathematics,
IHPST, Paris, December 2015.
- 2015 **The concept of a set existence principle**
Institute of Philosophy, University of London, January 2015.
- 2014 **Computational reverse mathematics and foundational analysis**
Midlands Logic Seminar, University of Birmingham, March 2014.
- 2014 **Reversals and closure**
Philosophy of Mathematics Workshop, KU Leuven, February 2014.

REFEREED CONTRIBUTED TALKS

- 2015 (Co-authored with Marianna Antonutti Marfori) **What is ordinary mathematics?**
French Philosophy of Mathematics Workshop 2015, IHPST, Paris, November 2015.
- 2013 **The complexity of computable entailment**
PhDs in Logic V, Munich Center for Mathematical Philosophy, April 2013.
- 2012 **Shore's computational reverse mathematics**
Philosophy and Computation workshop, Lunds universitet, May 2012.

CONTRIBUTED TALKS

- 2015 **Three kinds of mathematical naturalness**
Logic Colloquium 2015, University of Helsinki, August 2015.
- 2015 **Set existence principles in reverse mathematics**
CLMPS 2015, University of Helsinki, August 2015.
- 2014 **Computational reverse mathematics and foundational analysis**
Logic Colloquium 2014, Vienna Summer of Logic, TU Wien, July 2014.
- 2014 **Reversals and closure**
Munich Center for Mathematical Philosophy, LMU Munich, June 2014.
- 2014 **Computational reverse mathematics and foundational analysis**
Bristol-Oxford Postgraduate Workshop in Logic and Philosophy of Mathematics,
University of Bristol, February 2014.
- 2013 **Mathematical content: a reverse mathematical perspective**
Bristol-Kyoto Workshop on Logic, Philosophy of Mathematics and Philosophy of Science,
University of Bristol, September 2013.
- 2013 **Meanings and reversals**
Bristol-Munich Workshop 2013, University of Bristol, July 2013.
- 2013 **What do reversals track? Set existence and its rivals**
Bristol-Princeton postgraduate conference in logic and philosophy of mathematics,
University of Bristol, February 2013.
- 2012 **Reverse mathematics: computation and foundations**
Logic and Set Theory Seminar, Department of Mathematics,
University of Bristol, December 2012.

TEACHING EXPERIENCE

UNDERGRADUATE TEACHING EXPERIENCE

Introduction to Metaphysics. Lecturer (contributed), University of Bristol (2014).

A first year course introducing the major topics in metaphysics. I prepared and taught a lecture on the main issues concerning natural kinds, including realism versus conventionalism, and whether natural kinds have essences.

Paradoxes. Lecturer (contributed), University of Bristol (2013).

This first year course introduces students to paradoxes which have puzzled philosophers through the ages. I gave a standalone lecture on Zeno's paradoxes of space, time and motion.

Philosophy of Mathematics. Lecturer (contributed), University of Bristol (2013).

A second year undergraduate course examining the main themes and questions in the philosophy of mathematics. I gave a lecture on mathematical structuralism.

Philosophical Logic. Lecturer (contributed), University of Bristol (2013).

A second year undergraduate logic course. I taught a lecture on indicative conditionals, surveying fallacies of conditional reasoning in natural language and approaches to combat them.

History of Logic. Lecturer (contributed), University of Bristol (2012).

Invited lecture on the Alfred Tarski's contributions to logic, as part of a lecture series for both students and staff. My lecture notes formed the basis of an invited book chapter, listed above.

Philosophy of Language. Teaching assistant, University of Bristol (2014).

A second and third year course tracing the major issues in the philosophy of language. I led two seminars, including essay marking and feedback. I also lectured on possible worlds.

Introduction to Philosophy. Teaching assistant, University of Bristol (2014).

This course introduces first year students to central issues in metaphysics and epistemology. I taught two seminars, including essay marking and feedback.

Introduction to Formal Logic. Teaching assistant, University of Bristol (2012, 2013, 2014).

A first year undergraduate logic course covering propositional and predicate calculus. I taught weekly one-hour problem classes for several groups of students in 2012–13, 2013–14 and 2014–15.

Mathematical Logic. Teaching assistant, University of Bristol (2012).

A third year undergraduate course in mathematical logic. I taught problem classes for MA students and final year undergraduates.

POSTGRADUATE TEACHING EXPERIENCE

Descriptive Set Theory. Seminar leader, University of Bristol (2013).

A postgraduate seminar on the fundamental tools and results of descriptive set theory, studying both the classical and effective aspects of the theory. I conceived of and organised the course; taught many of the seminars; and prepared other attendees to give their own presentations.

Determinacy Seminar. Lecturer (contributed), University of Bristol (2012, 2013).

An advanced seminar exploring determinacy and large cardinals in contemporary set theory. I gave presentations on measurable cardinals and extenders.

Formal Methods. Lecturer (contributed), University of Bristol (2012).

This course provides postgraduate students with a grounding in important topics in logic and formal epistemology. I wrote a lecture on the metatheory of first order logic, focusing on the compactness and Löwenheim–Skolem theorems, which I gave in spring and autumn 2012.

ORGANISATION & SERVICE

Co-organiser, Set Theoretic Pluralism Symposium 2, University of Aberdeen, summer 2017.

Co-organiser, Set Theoretic Pluralism Symposium 1, University of Aberdeen, July 2016.

Co-organiser, Bristol–Princeton Postgraduate Conference in Philosophy of Logic and Mathematics, University of Bristol, February 2013.

Creator, Philosophy of Mathematics PhD Programs wiki (philmath.net).

Referee: Notre Dame Journal of Formal Logic.

PROFESSIONAL AFFILIATIONS

Association for Symbolic Logic.

Association for the Philosophy of Mathematical Practice.

TRAVEL GRANTS

2015 AHRC and postgraduate conference funding from the University of Bristol to attend the Logic Colloquium 2015 and the CLMPS 2015 at the University of Helsinki, Finland.

2014 Funding to attend the summer school Proof, Truth and Computation in Chiemsee.

2014 AHRC and postgraduate conference funding from the University of Bristol to attend the Logic Colloquium 2014 at the Technical University of Vienna.

2014 Conference grant to attend the LMS Invited Lectures 2014, given by Jouko Väänänen at the University of East Anglia (London and Norwich).

2014 Funding from the University of Warwick to attend a three-day workshop, What Does it Take to Prove Fermat's Last Theorem?.

2013 AHRC and postgraduate conference funding from the University of Bristol to attend PhDs in Logic V, Munich Center for Mathematical Philosophy.

2012 Stipend to attend the Asian Initiative for Infinity Graduate Summer School, National University of Singapore.

2011 Grant to attend the Reverse Mathematics Workshop, University of Chicago.

2011 Stipend to attend the summer school in Set Theory and Higher-Order Logic at the Institute of Philosophy, London.

OTHER WORK EXPERIENCE

Developer, The Other Media, London (2007–2010).