

Benedict Eastaugh

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AREAS OF RESEARCH SPECIALISATION

Logic, philosophy of mathematics.

AREAS OF TEACHING COMPETENCE

Philosophy of language, philosophy of logic, history of logic.

APPOINTMENTS

- 2017– Postdoctoral Fellow, Munich Center for Mathematical Philosophy, LMU Munich.
3-year position, from November 2017.
- 2015–18 Postdoctoral Researcher, Department of Philosophy, University of Aberdeen and School of Mathematics, University of Bristol, on the Leverhulme Trust-funded project “Set Theoretic Pluralism” (principal investigators: Toby Meadows and Philip Welch).
2.5-year position, from September 2015. Project and appointment transferred from Aberdeen to Bristol in June 2016 due to change of principal investigator.

EDUCATION

- 2015 PhD Philosophy, University of Bristol.
- 2011 MA Logic and Philosophy of Mathematics, University of Bristol.
- 2007 BA Philosophy, University of Bristol.

PUBLICATIONS

- (fc.) Set existence principles and closure conditions: unravelling the standard view of reverse mathematics. Forthcoming in *Philosophia Mathematica*.
- 2017 Tarski. In A. Malpass and M. Antonutti Marfori (eds.), *The History of Philosophical and Formal Logic: From Aristotle to Tarski* (pp. 293–313). London: Bloomsbury Academic, 2017.

BOOK REVIEWS

- 2017 Review of Denis R. Hirschfeldt, *Slicing the Truth: On the Computability Theoretic and Reverse Mathematical Analysis of Combinatorial Principles*. *Studia Logica* 105(4):873–879, 2017. DOI: 10.1007/s11225-017-9740-1

SCHOLARSHIPS

- 2012 Asian Initiative for Infinity Graduate Summer School scholarship, National University of Singapore, 20 June–17 July, 2012.
- 2011–14 Doctoral scholarship (fees and full maintenance grant) at the University of Bristol, Arts and Humanities Research Council, 2011–2014.

TALKS**Invited seminar and colloquium talks**

- 2017 'Unravelling the standard view of reverse mathematics'.
Munich Center for Mathematical Philosophy, 19 January 2017.
- 2016 'Formal and informal equivalences in real analysis'.
Midlands Logic Seminar, University of Birmingham, 25 February 2016.
- 2014 'Reversals and closure'.
Munich Center for Mathematical Philosophy, 12 June 2014.
- 2014 'Computational reverse mathematics and foundational analysis'.
Midlands Logic Seminar, University of Birmingham, 4 March 2014.

Invited conference and workshop talks

- 2017 'Does nonclassical truth impair mathematical reasoning?'.
C-ALPHA workshop on logic and philosophy of mathematics, UC Irvine, 9 December 2017.
- 2017 'On the significance of reverse mathematics'.
Fourth Symposium on the Foundations of Mathematics,
Munich Center for Mathematical Philosophy, 9–11 October 2017.
- 2017 'Formalisation and coding overhead'.
Fourth New College Logic Meeting, University of Oxford, 11 March 2017.
- 2015 'Ontological commitment and reverse mathematics'.
Davis–Paris workshop on ontological commitment in mathematics,
IHPST, Paris, 14 December 2015.
- 2014 'Reversals and closure'.
Philosophy of Mathematics Workshop, KU Leuven, 13 February 2014.

Contributed talks (refereed)

- 2017 'A deflationary account of the significance of reversals'.
European Congress on Analytic Philosophy 9, LMU Munich, 21–26 August 2017.
- 2015 'What is ordinary mathematics?'. With Marianna Antonutti Marfori.
French Philosophy of Mathematics Workshop 2015, IHPST, Paris, 6 November 2015.
- 2015 'Three kinds of mathematical naturalness'.
Logic Colloquium 2015, University of Helsinki, 5 August 2015.
- 2015 'Set existence principles in reverse mathematics'.
CLMPS 2015, University of Helsinki, 7 August 2015.
- 2015 'The concept of a set existence principle'.
Second Symposium on the Foundations of Mathematics, University of London, 14 January 2015.
- 2014 'Computational reverse mathematics and foundational analysis'.
Logic Colloquium 2014, Vienna Summer of Logic, TU Wien, 14 July 2014.
- 2013 'The complexity of computable entailment'.
PhDs in Logic V, Munich Center for Mathematical Philosophy, 8 April 2013.
- 2012 'Shore's computational reverse mathematics'.
Philosophy and Computation workshop, Lund University, 13 May 2012.

Local invited talks

- 2018 Formal methods in philosophy: Truth, paradox, and mathematics, Munich Center for Mathematical Philosophy, 4–6 June 2018.
- 2017 ‘Mathematical equivalences and the road to formalisation’. Foundational Studies Bristol, University of Bristol, 2 February 2017.
- 2014 ‘Computational reverse mathematics and foundational analysis’. Bristol–Oxford Postgraduate Workshop in Logic and Philosophy of Mathematics, University of Bristol, 1 February 2014.
- 2013 ‘Mathematical content: a reverse mathematical perspective’. Bristol–Kyoto Workshop on Logic, Philosophy of Mathematics and Philosophy of Science, University of Bristol, 15 September 2013.
- 2013 ‘Meanings and reversals’. Bristol–Munich Workshop 2013, University of Bristol, 20 July 2013.
- 2013 ‘The life and work of Alfred Tarski’. History of Logic lecture series, University of Bristol, 1 March 2013.
- 2013 ‘What do reversals track? Set existence and its rivals’. Bristol–Princeton Postgraduate Conference in Logic and Philosophy of Mathematics, University of Bristol, 23 February 2013.
- 2012 ‘Reverse mathematics: computation and foundations’. Logic and Set Theory Seminar, School of Mathematics, University of Bristol, 13 December 2012.

TEACHING EXPERIENCE**Undergraduate teaching experience**

- Philosophy of Language. Teaching assistant, University of Bristol (2014).
- Introduction to Philosophy. Teaching assistant, University of Bristol (2014).
- Introduction to Formal Logic. Teaching assistant, University of Bristol (2012, 2013, 2014).
- Mathematical Logic. Teaching assistant, University of Bristol (2012).
- Introduction to Metaphysics. Guest lecturer (“Natural Kinds”), University of Bristol (2014).
- Paradoxes. Guest lecturer (“Zeno’s Paradoxes”), University of Bristol (2013).
- Philosophy of Mathematics. Guest lecturer (“Structuralism”), University of Bristol (2013).
- Philosophical Logic. Guest lecturer (“Indicative Conditionals”), University of Bristol (2013).

Postgraduate teaching experience

- Descriptive Set Theory. Instructor, University of Bristol (2013).
- Model Theory. Instructor, University of Bristol (2011).
- Determinacy Seminar. Guest lecturer (“ $V \neq L$ ”, “Extenders”), University of Bristol (2012, 2013).
- Formal Methods. Guest lecturer (“Metatheory of First-Order Logic”), University of Bristol (2012).

CONFERENCE ORGANISATION

- 2017 Set Theoretic Pluralism Symposium 2. University of Bristol, 20–25 June 2017. Co-organised with Toby Meadows and Philip Welch.

- 2016 Set Theoretic Pluralism Symposium 1. University of Aberdeen, 12–17 July 2016. Co-organised with Toby Meadows.
- 2013 Bristol–Princeton Postgraduate Conference in Philosophy of Logic and Mathematics. University of Bristol, 22–23 February 2013. Co-organised with Philip Welch.

SERVICE TO THE PROFESSION

Referee: *Kriterion*, *Notre Dame Journal of Formal Logic*, *The Review of Symbolic Logic*, *Theoria*.

Creator: Philosophy of Mathematics PhD Programs Wiki (philmath.net).

PROFESSIONAL AFFILIATIONS

Association for Symbolic Logic.

Association for the Philosophy of Mathematical Practice.