

## ØYSTEIN LINNEBO

Department of Philosophy  
University of Bristol  
9 Woodland Rd.  
Bristol, BS8 1TB, UK

Oystein.Linnebo@bristol.ac.uk  
<http://seis.bris.ac.uk/~plxol/>  
+44 (0) 117 3317525 (work)  
+44 (0) 793 2136213 (mobile)

### APPOINTMENTS

Reader in Philosophy, University of Bristol, August 2008 –  
Lecturer in Philosophy, University of Bristol, January 2006 – July 2008  
Fitzjames Research Fellow, Merton College, Oxford, October 2004 – December 2005  
Post-Doctoral Fellow, University of Oslo, August 2002 – September 2004

### VISITING POSTS

Visiting Lecturer, University of Buenos Aires, April 2008  
Visiting Fellow, Institute of Philosophy, University of London, September 2007 – January 2008  
Visiting Scholar, UC Berkeley, April 2003

### EDUCATION

- Harvard University, *Ph.D. in Philosophy*, September 1996 – June 2002  
Ph.D. Thesis: *Science with Numbers: A Naturalistic Defense of Mathematical Platonism*.  
Awarded Baker Dissertation Prize.
- University of Oslo, Norway, *M.A. in Mathematics*, August 1993 – June 1995  
M.A. Thesis: *The Number of Genus 2 Degree 5 Curves on Some Calabi-Yau Threefolds*.  
Marked outstanding (1.1 on a scale from 1.0 to 6.0).
- University of Bergen, Norway, *B.A. in Mathematics*, August 1991 – June 1993

### AREAS OF SPECIALIZATION

Philosophy of Mathematics  
Philosophical Logic  
Philosophy of Language  
Metaphysics  
Frege

### AREAS OF COMPETENCE

Mathematical Logic  
Philosophy of Science  
Philosophy of Mind

### GRANTS AND AWARDS

*British Academy Small Research Grant*, 2008. PI. Project title: “New Waves in Philosophy of Mathematics”  
*British Academy Visiting Fellowship*, 2008. PI. Project title: “Meta-theory of the Logical System for Arithmetic *Predicative Grundgesetze*” (to bring Dr Francesca Boccuni to Bristol as a post-doc)  
*AHRC Research Leave*, 2007. PI. Project title: “Reference and Frege’s Context Principle”  
*Mind Association Research Fellowship*, 2006. PI. Project title: “Reference and Frege’s Context Principle”  
*Baker Dissertation Prize*, Harvard University, 2002  
*Certificate of Distinction in Teaching*, Harvard University, 2000 and 2002. (These awards are given to teachers who receive an average of 4.5 or higher out of 5 in the category “Was an effective teacher overall.”)

*Doctoral Fellowship*, The Norwegian Research Council, 1999-2002  
*Summer Grant*, Harvard University, 1999  
*Nansen Research Grant*, The Nansen Fund, 1997  
*Fulbright Fellowship*, 1996

## ARTICLES

- A23. "Impredicativity in the Neo-Fregean Programme," to appear in *Abstractionism in Mathematics: Status Belli*, edited by Philip Ebert and Marcus Rossberg
- A22. "Platonism in the Philosophy of Mathematics," in Edward N. Zalta (ed.), Stanford Encyclopedia of Philosophy (2009), URL = <<http://plato.stanford.edu/entries/platonism-mathematics/>>
- A21. "Which Abstraction Principles Are Acceptable? Some Limitative Results" (with Gabriel Uzquiano), British Journal for the Philosophy of Science 60:2 (2009), 239-253
- A20. "Introduction to the Bad Company Problem," Synthese 170:3 (2009), 321-329
- A19. "Bad Company Tamed," Synthese 170:3 (2009), 371-391
- A18. "Føllesdal and Frege on Reference," forthcoming in proceedings of *Second Lauener Prize Symposium* (Ontos Verlag)
- A17. "The Individuation of the Natural Numbers," forthcoming in O. Bueno and Ø. Linnebo (eds.), *New Waves in Philosophy of Mathematics*, Palgrave (2009)
- A16. "Frege's Context Principle and Reference to the Natural Numbers," in S. Lindström *et al.* (eds.), *Logicism, Intuitionism, and Formalism: What Has Become of Them?* (Springer, 2009), 47-68
- A15. "The Nature of Mathematical Objects," in B. Gold and R. Simons (eds.), *Proof and Other Dilemmas: Mathematics and Philosophy* (Washington: Mathematical Association of America, 2008), 205-219
- A14. "Superplurals in English" (with David Nicolas), Analysis 68:3 (2008), 186-97
- A13. "Structuralism and the Notion of Dependence," Philosophical Quarterly 58 (2008), 59-79
- A12. "Burgess on Plural Logic and Set Theory," Philosophia Mathematica 15:1 (2007), 79-93
- A11. "Mending the Master" (Critical notice of John P. Burgess, *Fixing Frege*), Philosophia Mathematica 14:3 (2006), 338-351
- A10. "Against Limitation of Size," in J. Skilters *et al.* (eds.), *Paradox: Logical, Cognitive and Communicative Aspects*, Baltic International Yearbook of Cognition, Logic and Communication, Vol. 1 (Riga: University of Latvia Press, 2006), 69-86
- A9. "Sets, Properties, and Unrestricted Quantification," in A. Rayo and G. Uzquiano (eds.), *Absolute Generality* (Oxford: Clarendon, 2006), 149-178
- A8. "Epistemological Challenges to Mathematical Platonism," Philosophical Studies 129:3 (2006), 545-574  
[Spanish translation forthcoming in Revista Analítica]
- A7. "To Be Is to Be an *F*," Dialectica 59:2 (2005), 201-222 (special issue on Frege's "Caesar Problem")
- A6. "Plural Quantification," in Edward N. Zalta (ed.), Stanford Encyclopedia of Philosophy (2004), URL = <<http://plato.stanford.edu/entries/plural-quant/>>
- A5. "Frege's Proof of Referentiality," Notre Dame Journal of Formal Logic 45:2 (2004), 73-98
- A4. "Predicative Fragments of Frege Arithmetic," Bulletin of Symbolic Logic 10:2 (2004), 153-174
- A3. "Plural Quantification Exposed," Noûs 37:1 (2003), 71-92
- A2. Critical Notice of Stewart Shapiro: *Philosophy of Mathematics: Structure and Ontology*, Philosophia Mathematica 11:1 (2003), 92-104
- A1. "Frege's Conception of Logic: From Kant to *Grundgesetze*," Manuscrito 26:2 (2003), 235-252 (special issue on Frege edited by Marco Ruffino)

## REVIEWS AND SHORTER PIECES

- S9. Review of John P. Burgess, *Mathematics, Models, and Modality*, forthcoming in *Metascience*
- S8. Review of Fraser MacBride (ed.), *Identity and Modality*, *Mind* 117:467 (2008), 705-708
- S7. Discussion of John P. Burgess, *Fixing Frege* and Bob Hale and Crispin Wright, *Reason's Proper Study*, *Mathematical Intelligencer* 29:4 (2007), 83-86
- S6. Review of Kit Fine, *Modality and Tense*, *Philosophical Quarterly* 57:227 (2007), 294-7
- S5. Review of Kit Fine, *The Limits of Abstraction*, *Australasian Journal of Philosophy* 82:4 (2004), 653-6
- S4. Introductory Note to Correspondence with Walter Pitts (with Charles Parsons), in S. Feferman *et al.* (eds.), *Kurt Gödel: Collected Works*, Vol. V (Oxford: Clarendon, 2003), 157-59
- S3. Review of Michael Potter, *Reason's Nearest Kin*, *Mind* 110:439 (2001), 810-13
- S2. Synopsis of talk at the 2000 European Meeting of The Association of Symbolic Logic, *Bulletin of Symbolic Logic* 7 (2001), 131
- S1. Review of William Tait (ed.), *Early Analytic Philosophy*, *Philosophical Review* 109:1 (2000), 98-101

## EDITORIAL WORK

- New Waves in the Philosophy of Mathematics* (co-edited with Otávio Bueno), Palgrave Macmillan, to appear in 2009 (Contributors: Alan Baker, Otávio Bueno, Mark Colyvan, Roy Cook, Thomas Hofweber, Peter Koellner, Hannes Leitgeb, Mary Leng, Øystein Linnebo, Alexander Paseau, Chris Pincock, Agustín Rayo, and Gabriel Uzquiano)
- Special issue of *Synthese*, 170:3 (2009) (Contributors: Roy Cook, Philip Ebert & Stewart Shapiro, Matti Eklund, Bob Hale & Crispin Wright, John MacFarlane, and Gabriel Uzquiano)

## WORK COMMISSIONED OR UNDER REVIEW

- "Pluralities and Sets," under review, *Journal of Philosophy*
- "Higher-Order Logic and Set Theory: Some Gödelian Thoughts" (with Agustín Rayo), under preparation for a volume edited by Friederike Moltmann
- "Truth in Mathematics," under preparation for M. Glanzberg (ed.), *Oxford Companion to Truth* (Oxford University Press)

## DISSERTATIONS

- Ph.D.: *Science with Numbers: A Naturalistic Defense of Mathematical Platonism*  
Harvard University, June 2002; advised by Professors Goldfarb, Heck, and Parsons
- M.A.: *The Number of Genus 2 Degree 5 Curves on Some Calabi-Yau Threefolds*  
University of Oslo, June 1995; advised by Professor Ellingsrud

## ACADEMIC TALKS

TBA

- November 2009. Invited. Warwick
- October 2009. Invited. *Conference on Plural Logic*, Geneva
- September 2009. Invited. *Trends in the Philosophy of Mathematics*, Frankfurt
- September 2009. Invited. *Workshop on Absolute Generality*, Institut Jean Nicod, Paris
- July 2009. Invited. *Workshop on Higher-Order Languages*, Buenos Aires
- June 2009. Invited. *Is There More than One Notion of Existence?*, Birmingham
- "Bad Companions in Gainful Employment"  
December 2008. Invited. *Arché*, St Andrews
- "What is Mathematical Platonism?"  
August 2008. Contributed. *6<sup>th</sup> European Congress of Analytic Philosophy*, Kraków, Poland
- "Russell's Paradox"  
April 2008. Invited. Buenos Aires
- "The Individuation of the Natural Numbers"  
April 2008. Invited. *New Waves in Philosophy of Mathematics*, Miami

- “Pluralities and Sets”  
 July 2008. Invited. LMU, Munich  
 April 2008. Invited. University of Buenos Aires  
 March 2008. Invited. Oxford Workshop in Philosophical Logic
- “Meta-Ontological Minimalism”  
 December 2008. Invited. *CSMN Colloquium*, Oslo  
 November 2008. Invited. *Logos Colloquium*, Barcelona  
 October 2008. Invited. Leeds  
 August 2008. Invited. *31<sup>st</sup> Wittgenstein Symposium*, Kirchberg, Austria  
 July 2008. Invited. LMU, Munich  
 March 2008. Invited. Central European University, Budapest
- “Superplurals in English”  
 November 2007. Invited. *The Institute of Philosophy*, London
- “Sets, Properties, and Semantics”  
 April 2008. Invited. University of Buenos Aires  
 October 2007. Invited. *Semantics beyond Set Theory*, Institut Jean Nicod, Paris
- “Compositionality and Frege’s Context Principle”  
 November 2007. Invited. *London Logic and Metaphysics Forum*, London  
 August 2007. Invited. *CSMN Workshop on Reference*, Oslo
- “The Hidden Costs of Empiricist Platonism”  
 July 2007. Contributed. *British Society for Philosophy of Science*, Bristol
- “Neo-Logicism and Impredicativity”  
 December 2006. Invited. *Status Belli—Final Abstraction Workshop*, St. Andrews
- “Bad Company Tamed”  
 July 2007. Contributed. *Joint Session*, Bristol  
 February 2007. Invited. *Belgian Society for Logic and Philosophy of Science*, Brussels  
 November 2006. Contributed. *Seventh Annual Midwest Philosophy of Mathematics Workshop*, Notre Dame University
- “The Nature of Mathematical Objects”  
 November 2006. Invited. Cornell University
- “*E Pluribus Semper Unum*”  
 September 2006. Contributed. *Gesellschaft für Analytische Philosophie*, Berlin
- “Structuralism and the Notion of Dependence”  
 December 2006. Invited. *Structuralism in Mathematics and Physics*, Bristol  
 October 2006. Invited. Leeds  
 July 2006. Contributed. *British Society for Philosophy of Science*, Southampton  
 April 2006. Invited. Geneva
- “Føllesdal on Reference: Some Fregean Reflections”  
 June 2006. Invited. *Lauener Prize Symposium for Dagfinn Føllesdal*, Bern
- “Why Size Doesn’t Matter”  
 July 2006. Contributed. *Joint Session*, Southampton  
 November 2005. Keynote. *International Symposium of Cognition, Logic and Communication*, Riga
- “Sets, Properties, and Unrestricted Quantification”  
 August 2005. Contributed. *Fifth European Congress of Analytic Philosophy*, Lisbon  
 July 2005. Contributed. *Joint Session*, Manchester
- “Frege’s Context Principle and Criteria of Identity”  
 December 2004. Invited. *Criteria of Identity*, Leuven
- “Frege’s Context Principle and Reference to Mathematical Objects”  
 November 2004. Invited. *Seminar in the Philosophy of Mathematics*, Oxford
- “Reference and Frege’s Context Principle”  
 August 2004. Invited. *Logicism, Formalism, and Intuitionism: What has become of them*, Uppsala

July 2004. Contributed. *Joint Session*, Canterbury  
 “Kant and Frege on Formal Logic”  
 March 2004. Invited. *The Norwegian Kant Society*, Oslo  
 “Mathematical Structuralism”  
 November 2003. Invited. *Seminar in the Philosophy of Mathematics*, Harvard  
 “Predicative Fragments of Frege Arithmetic”  
 August 2003. Contributed. 12<sup>th</sup> *International Congress of Logic, Methodology, and Philosophy of Science*, Oviedo  
 “Neo-Logicism and Impredicativity”  
 April 2003. Invited. *Townsend Working Group in History and Philosophy of Logic, Mathematics, and Science*, UC Berkeley  
 “Naturalistic Challenges: On the Possibility of Non-Scientific Knowledge”  
 October 2002. Invited. *Seminar in Science Studies*, Oslo  
 “Ontology and the Concept of an Object”  
 May 2002. Invited. *Arché Abstraction Workshop*, St. Andrews  
 March 2002. Invited. Federal University of Brazil, Rio di Janeiro  
 “Field’s Nominalism and the Concept of an Object”  
 July 2000. Contributed. *European Meeting of the Association of Symbolic Logic*, Paris  
 “Naturalism and the Fact/Value Dichotomy”  
 May 2000. Contributed. 13<sup>th</sup> *Inter-Nordic Symposium in Philosophy*, Bergen  
 “Frege’s Conception of Logic: From Kant to *Grundgesetze*”  
 August 1999. Contributed. 11<sup>th</sup> *International Congress of Logic, Methodology, and Philosophy of Science*, Kraków  
 “The Hilbert Scheme of Cohen-Macaulay Space Curves”  
 March 1995. Contributed. *Géométrie Algébrique en Liberté III*, Marseille

## COMMENTARIES

Comments Matti Eklund and Crispin Wright

December 2007. *Annual Meeting of the Eastern APA*, Baltimore

Comments on Mario Gomez-Torrente

May 2006. *Foundational Issues in Logic*, Santiago de Compostela, Spain

## EXTERNAL ACADEMIC RESPONSIBILITIES AND MARKS OF ESTEEM

Shortlisted for a European Research Council Starting Grant

PI. Project title: “Plurals, Predicates, and Paradox: Towards a Type-Free Account”.

Interviews and decisions expected in April 2009

Member of Research Networks

- “Foundations of Logical Consequence,” *Arché*, University of St. Andrews (awarded funding from AHRC).
- “Metaphysical Indeterminacy,” University of Leeds (AHRC funding application pending)

Editorial board of

- *Analysis and Metaphysics* (from 2004)
- *Linguistic and Philosophical Investigations* (from 2004)
- *Nordic Journal of Philosophical Logic* (from 1998 until journal discontinued in 2001)
- *Review of Contemporary Philosophy* (from 2004)
- *Revista Analítica* (from 2007)

Referee for research councils and prizes

The Research Council of the University of Leuven  
Kurt Gödel Centenary Research Prize Fellowship  
The British Society for the History of Philosophy

Referee for academic publishers

Blackwell  
Oxford University Press  
Routledge

Referee for academic journals

Analysis, Australasian Journal of Philosophy, British Journal for the Philosophy of Science, Dialectica, Erkenntnis, Journal of Philosophical Logic, Logique et Analyse, Manuscrito, Mind, Nordic Journal of Philosophical Logic, Notre Dame Journal of Formal Logic, Philosophia Mathematica, Philosophical Papers, Philosophical Quarterly, Philosophical Studies, Philosophy Compass, Review of Symbolic Logic, Southern Journal of Philosophy, and Synthese

Reviewing articles for Zentralblatt der Mathematik

Co-taught summer school on *Formal Methods in Philosophy*, Lund, Sweden, 15-26/08/2005 (with Bengt Hansson, Vincent Hendricks, Erik Olsson, and Gabriel Sandu)

#### **MAJOR INTERNAL ACADEMIC RESPONSIBILITIES**

- MA Coordinator, Department of Philosophy, Bristol (since 08/2008)
- Postgraduate Diploma Coordinator, Department of Philosophy, Bristol (02/2006 - 01/2007)
- Head Tutor in Philosophy, Merton College, Oxford (01/01/2005 - 30/06/2005)
- Organizer of the Department Colloquium, Department of Philosophy, University of Oslo, (01/2003 – 09/ 2004)
- Co-organizer of Annual Skolem Lecture, University of Oslo (2003 – 2004)

#### **CONFERENCES ORGANIZED**

*Absolute Generality*

9-10/07/2009, CNRS, Paris (with David Nicolas) (Budget: ca. 5,000 GBP)

*New Waves in Philosophy of Mathematics*

24-26/04/2008, University of Miami (with Otávio Bueno) (Budget: ca. 11,500 GBP)

*Structuralism in the Philosophies of Mathematics and Physics*

2-3/12/2006, University of Bristol (with James Ladyman) (Budget: ca. 2,000 GBP)

*The 7<sup>th</sup> Annual Harvard-MIT Graduate Student Conference in Philosophy*

March 1999 (Harvard co-organizer)

#### **POSTGRADUATE SUPERVISION**

Currently supervising two PhD students from the University of Bristol:

- Richard Craven (metaphysics of modality)
- Chris Gifford (structuralism and the metaphysics of objects)

PhD students and post-docs who have come to Bristol specifically to work with me:

- Francesca Boccuni, University of Eastern Piedmont, Italy, post-doc, 15/09/2008 – 15/01/2009
- Walter Swetly, LMU Munich, PhD student, spring 2008
- Currently arranging for Rafal Urbaniak (University of Ghent) to be a visiting post-doc

While at the University of Oslo I supervised the following MA-students

- Einar Böhn (currently PhD student at University of Massachusetts, Amherst)
- Jon Litland (currently PhD student at Harvard University)
- Jim Westin (currently PhD student at University of British Columbia)

## **TEACHING EXPERIENCE**

Reader and Lecturer, University of Bristol

*Epistemology and Metaphysics* (MA); *Introduction to Philosophy; Metaphysics and Epistemology of Modality; Logicism and Neo-Logicism; Non-classical Logic; Philosophy of Mathematics* (undergraduate and MA); *Philosophy of Physics; Reading and Writing Analytic Philosophy*, Jan. 2006 -

Tutor, Merton College, University of Oxford

*Frege, Russell, and early Wittgenstein; Frege's Foundations of Arithmetic; General Philosophy; Introductory Logic; Knowledge and Reality; Philosophy of Mathematics; Philosophy of Mind; Philosophy of Logic and Language*, Oct. 2004 – Dec. 2005

Lecturer, University of Oslo

*Primary and Secondary Qualities*, Fall 2004  
*Realism and Anti-Realism*, Fall 2003  
*Philosophy of Science for Scientists*, Fall 2002 and Fall 2003  
*Set Theory and Its Philosophy*, Fall 1995

Teaching Fellow, Harvard University

*Logic and Philosophy* (metalogue), Prof. Warren Goldfarb, Spring 2002  
*Frege, Russell, and the Early Wittgenstein*, Prof. Warren Goldfarb, Fall 2000  
*Sophomore Tutorial on Frege's Foundations of Arithmetic*, Spring 2000  
*Kant's Critique of Pure Reason*, Prof. Charles Parsons, Fall 1999  
*Foundations of Quantum Mechanics*, Prof. David Albert, Spring 1999  
*Deductive Logic*, Prof. Richard Heck, Fall 1998

Teaching Assistant, Universities of Oslo and Bergen

Five semesters of teaching Calculus I, II, and III, Fall 1992-Spring 1995

## **LANGUAGES**

Norwegian and English (bilingual)  
German (fluent)  
French (proficient)  
Spanish (reading)

## **REFERENCES**

Professor Richard Heck, Brown University, Department of Philosophy,  
Box 1918 Providence, RI 02912, USA  
E: rgheck@philosophy.brown.edu, P: +1 401 863 3217, F: +1 401 863 2719

Professor Charles Parsons, Harvard University, 22 Hancock St., Cambridge MA 02138, USA  
E: parsons2@fas.harvard.edu, P: +1 617 492 6251, F: +1 617 495 2192

Professor Stewart Shapiro, Ohio State University, 350 University Hall, 230 North Oval Mall,  
Columbus, OH 43210, USA. E: shapiro.4@osu.edu, P: +1 614 292 8198, F: +1 614 292 7502

Professor Timothy Williamson, New College, Oxford OX1 3BN, UK  
E: timothy.williamson@philosophy.ox.ac.uk, P: 01865 279257, F: 01865 279590