

PAUL LINTON

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Updated: Sept 2020

CURRENT POSITION

Centre for Applied Vision Research, City, University of London 2016 – 2020
PhD Candidate in Vision Science (Passed, subject to Minor Corrections) London, UK
Dissertation: “Do We See Scale?”
Supervisors: Prof. Christopher Tyler¹ and Dr. Simon Grant
¹Head of Brain Imaging, Smith-Kettlewell Eye Research Institute, San Francisco

PAST POSITIONS

Facebook Reality Labs Sept – Dec 2018
PhD Research Intern, Display Systems Research (DeepFocus Team) Redmond, WA
Vision Scientist on Artificial Intelligence for Virtual and Augmented Reality
<https://tech.fb.com/introducing-deepfocus/>

Department of Architecture, University of Cambridge 2014 – 2017
Invited Critic for 2nd Year Design Studio Cambridge, UK

Faculty of Law, University of Oxford 2011 – 2015
Non-Stipendiary Lecturer in Moral and Political Philosophy Oxford, UK

Department of Philosophy, University College London Jan – Aug 2014
Teaching Fellow in Philosophy London, UK

St Hilda’s College, University of Oxford 2012 – 2013
Stipendiary Lecturer and Tutor in Law Oxford, UK

EDUCATION

Faculty of Law, University of Oxford 2010 – 2015
DPhil Candidate in Legal Philosophy [not submitted due to switch to vision science] Oxford, UK
Supervisors: Prof. Jeremy Waldron, Prof. Sir Tony Atkinson, Prof. Derek Parfit

New York University, Cross-Registration at Harvard and Columbia 2008 – 2011
Postgraduate Coursework in Philosophy and Economics New York, NY
3.9 GPA out of 4.0. Supervisor: Prof. Amartya Sen (Harvard)

Lincoln College, University of Oxford 2004 – 2008
BA Law with European Law, and Erasmus Visiting Student Leiden University Oxford, UK
Gluckstein Scholar (2008), Hanbury Scholar (2007), Exhibitioner (2006)

PUBLICATIONS

BOOK

Linton, P., *The Perception and Cognition of Visual Space* (Palgrave Macmillan, 2017)
<https://www.palgrave.com/us/book/9783319662923> 3,500 downloads (as of September 2020)

Single authored 176-page book arguing that our experience of visual space reflects two distinct processes: perception and cognition, and that the integration of depth cues operates at the level of cognition. Reviewed in *Perception* by Prof. Casper Erkelens (Emeritus Head of Physics and Astronomy at Utrecht University) as “a valuable contribution to the scientific literature on visual perception.” Review available at: <https://journals.sagepub.com/doi/10.1177/0301006618793311>

Serialised for a week by the Brains Blog, the leading forum for the Philosophy of Mind

1. ‘Visual Space and the Perception / Cognition Divide’
<http://philosophyofbrains.com/2018/06/25/visual-space-and-the-perception-cognition-divide.aspx>
2. ‘Perceptual Integration and Visual Illusions’
<http://philosophyofbrains.com/2018/06/26/perceptual-integration-and-visual-illusions.aspx>
3. ‘Seeing Depth with One Eye and Pictorial Space’
<http://philosophyofbrains.com/2018/06/27/seeing-depth-with-one-eye-and-pictorial-space.aspx>
4. ‘Perceptual Idealism and Phenomenal Geometry’
<http://philosophyofbrains.com/2018/06/28/perceptual-idealism-and-phenomenal-geometry.aspx>
5. ‘Do We See Scale?’
<http://philosophyofbrains.com/2018/06/29/do-we-see-scale.aspx>

PAPERS

Linton, P., ‘Does Vision Extract Absolute Distance from Vergence?’ (2020), *Attention, Perception, & Psychophysics*. Demonstrates that vergence (the angular rotation of the eyes) is not the means by which we gauge absolute distance: <https://link.springer.com/article/10.3758/s13414-020-02006-1> Preprint: <https://www.biorxiv.org/content/10.1101/731109v1> 326 downloads

PAPERS IN PREPARATION

Linton, P., ‘Eye Movements Do Not Affect Perceived Size’ (2020). Demonstrates that vergence (the angular rotation of the eyes) is not the means by which we gauge the absolute size of objects.
Preprint: <https://www.biorxiv.org/content/10.1101/2020.02.23.961649v2> 218 downloads.

Linton, P., ‘Do We See Scale?’ (2018). Argues that visual scale is not conveyed by visual experience and articulates how visual scale could function as a cognitive inference. Under revision
Preprint: <https://www.biorxiv.org/content/10.1101/371948v2> 647 downloads

Linton, P., ‘Would Gaze-Contingent Rendering Improve Depth Perception in Virtual and Augmented Reality?’ (2019). Explores distortions of binocular disparity in virtual and augmented reality. Preprint: <https://arxiv.org/pdf/1905.10366.pdf>

INVITED TALKS

- Linton, P., 'The Perception and Cognition of Visual Space'
Centre for Cognitive Science, Rutgers University TBA
New Brunswick, NJ
- Linton, P., 'The Perception and Cognition of Visual Space'
Perception & Action Seminar, Brown University TBA
Providence, RI
- Linton, P., 'The Perception and Cognition of Visual Space'
Department of Psychology, University of Essex TBA
Essex, UK
- Linton, P., [Title Redacted]
Facebook Reality Labs December 2018
Redmond, WA

PEER-REVIEWED CONFERENCE PRESENTATIONS

- Linton, P., 'No Vergence Size Constancy'
Poster at Vision Sciences Society: <https://osf.io/tb3un/> June 2020
Poster walkthrough: <https://www.youtube.com/watch?v=VhpYjPj5Q80> St. Pete Beach, FL
- Linton, P., 'Does Human Vision Triangulate Absolute Distance?'
Talk at '3D Worlds from 2D Images', British Machine Vision Association January 2020
Available at <https://www.youtube.com/watch?v=6P3EYCEn52A> London, UK
- Linton, P., 'Does Vergence Explain the Taylor Illusion?'
Talk at Applied Vision Association December 2019
Cardiff, UK
- Linton, P., 'Do We See Scale?'
Poster at Association for the Scientific Study of Consciousness July 2019
Ontario, Canada
- Linton, P., 'Re-Evaluating Vergence as a Distance Cue'
Talk at European Conference on Visual Perception August 2018
Trieste, Italy
- Linton, P., 'How Do We See Distance in VR'
Poster at 'Frontiers in Virtual Reality', CVS Symposium, University of Rochester June 2018
Rochester, NY
- Linton, P., 'Are Vergence and Accommodation Effective Cues to Distance?'
Talk at Scottish Vision Group March 2018
Glencoe, UK

VISITING POSITIONS

- Northern Institute of Philosophy, Aberdeen University April – Aug 2010
Supervisor: Crispin Wright (NYU) Aberdeen, UK
- Centre for History and Economics, Kings College, Cambridge University Jan – Aug 2009
Supervisor: Amartya Sen (Harvard) Cambridge, UK

Stagiaire, Commission for Democracy Through Law
aka Venice Commission, Council of Europe Jun – Aug 2008
Strasbourg, FR

Research Assistant to Sir Keir Starmer QC June – August 2003
Doughty Street Chambers London, UK

TRAVEL GRANTS

Elsevier/Vision Research Travel Award (Vision Sciences Society) June, 2020

Grindley Grant, Experimental Psychology Society (Researchers in Touch) August, 2019

City, University of London (European Conference on Visual Perception) June, 2018

TEACHING EXPERIENCE

Moral and Political Philosophy, 3rd Year BA 2011 – 2015
Faculty of Law, University of Oxford

Empiricism, 3rd Year BA Spring 2014
Department of Philosophy, University College London

Early Modern Philosophy, 2nd Year BA Spring 2014
Department of Philosophy, University College London

Moral and Political Philosophy, Visiting JD Students 2012 – 2013
NYU Law – Oxford Exchange, University of Oxford

Jurisprudence (Legal Philosophy), 2nd Year BA 2012 – 2013
St Hilda's College, University of Oxford

Administrative Law, 2nd Year BA 2012 – 2013
St Hilda's College, University of Oxford

Constitutional Law, 1st Year BA 2012 – 2013
St Hilda's College, University of Oxford

GUEST SPEAKER

Wei Ji Ma, 'Psychological Science and Society', New York University May 2020