**PAUL LINTON**

Centre for Applied Vision Research Website: <http://linton.vision>

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London EC1V 0HB, UK 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%2Fs13414-020-02006-1> 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’ TBA

Centre for Cognitive Science, Rutgers University New Brunswick, NJ

Linton, P., ‘The Perception and Cognition of Visual Space’ TBA

Perception & Action Seminar, Brown University Providence, RI

Linton, P., ‘The Perception and Cognition of Visual Space’ TBA

Department of Psychology, University of Essex Essex, UK

Linton, P., [Title Redacted] December 2018

Facebook Reality Labs Redmond, WA

**PEER-REVIEWED CONFERENCE PRESENTATIONS**

Linton, P., ‘No Vergence Size Constancy’ June 2020

Poster at Vision Sciences Society: <https://osf.io/tb3un/> St. Pete Beach, FL

Poster walkthrough: <https://www.youtube.com/watch?v=VhpYjPj5Q80>

Linton, P., ‘Does Human Vision Triangulate Absolute Distance?’ January 2020

Talk at ‘3D Worlds from 2D Images’, British Machine Vision Association London, UK

Available at <https://www.youtube.com/watch?v=6P3EYCEn52A>

Linton, P., ‘Does Vergence Explain the Taylor Illusion?’ December 2019

Talk at Applied Vision Association Cardiff, UK

Linton, P., ‘Do We See Scale?’ July 2019

Poster at Association for the Scientific Study of Consciousness Ontario, Canada

Linton, P., ‘Re-Evaluating Vergence as a Distance Cue’ August 2018

Talk at European Conference on Visual Perception Trieste, Italy

Linton, P., ‘How Do We See Distance in VR’ June 2018

Poster at ‘Frontiers in Virtual Reality’, CVS Symposium, University of Rochester Rochester, NY

Linton, P., ‘Are Vergence and Accommodation Effective Cues to Distance?’ March 2018

Talk at Scottish Vision Group 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 Jun – Aug 2008

aka Venice Commission, Council of Europe 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