

# LINUS T. HUANG

## Curriculum Vitae

Department of Cultural and Religious Studies  
Chinese University of Hong Kong  
Shatin, NT, Hong Kong

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## EDUCATION

- Ph.D. Unit for the History and Philosophy of Science, University of Sydney, 2017
- M.A. Department of Philosophy, University of California, Riverside, 2008
- M.S. Cognitive Neuroscience Program, National Yang Ming University, Taiwan, 2006
- B.S. School of Medicine, National Yang Ming University, Taiwan, 2004

## PROFESSIONAL APPOINTMENT

- 2025-present Vice-Chancellor Assistant Professor, Public Humanities Program, Department of Cultural and Religious Studies, Chinese University of Hong Kong
- 2024-2024 StarTrack Scholar, Social Computing Lab, Microsoft Research Asia
- 2023-2025 Research Assistant Professor, Division of Humanities & Centre for AI Research, Hong Kong University of Science and Technology
- 2020-2023 Postdoctoral Fellow, Society of Fellows in the Humanities, University of Hong Kong
- 2018-2020 Postdoctoral Fellow, Department of Philosophy, University of California, San Diego
- 2017-2018 Postdoctoral Scholar, Institute of European and American Studies, Academia Sinica, Taiwan

## RESEARCH SPECIALTIES

- AOS: Philosophy of Artificial Intelligence, Philosophy of Cognitive Science, Philosophy of Mind
- AOC: Philosophy of Science, Chinese Philosophy, Moral Psychology, Philosophy of Biology

## GRANTS, AWARDS, AND FELLOWSHIPS

- 2025 Senior Research Fellowship, Centre for Philosophy of AI Research, Friedrich-Alexander University
- 2024 StarTrack Scholars Fellowship, Microsoft Research Asia
- 2023 General Research Fund, Hong Kong SAR Research Grants Council

- 2021 Short-Term Research Fellowship, Virtual Clinic on Increasing Fairness in Targeted Advertising, Alexander von Humboldt Institute for Internet and Society
- 2018 UCSD-Taiwan Postdoctoral Fellowship, Academia Sinica
- 2018 Short-Term Research Collaboration Fellowships, Academia Sinica
- 2015 Australian Endeavour Award, Department of Education, Australia (69,000 AUD)
- 2015 Finalist, Postgraduate Presentation Prize, Australasian Association of Philosophy Annual Conference
- 2014 Royston George Booker and Herbert Johnson Travel Grant, University of Sydney
- 2014 University of Sydney Postgraduate Award, University of Sydney
- 2013 Postgraduate Research Support Scheme, University of Sydney
- 2012 Postgraduate Research Prize for Outstanding Academic Achievement, University of Sydney
- 2012 Summer Seminar Fellowship, Big Questions in Free Will Project, Florida State University
- 2012 Summer School Fellowship, Tubingen International Summer School: How do we make decisions? Perspectives from philosophy and science, University of Tubingen.
- 2011 University of Sydney International Scholarship, 2011-2014, University of Sydney
- 2007 Taiwan Merit Scholarship, 2007-2009, National Science Council, Taiwan (70,000 USD)
- 2006 Dean's Distinguished Fellowship Award, University of California, Riverside

## PUBLICATIONS

### Books

- 2022 Bechtel, W., & Huang, L. T. *Philosophy of Neuroscience*. Cambridge: Cambridge University Press.

### Refereed Journal Articles

- 2025 Huang, L. T., Huang, T.-R. Generative Bias: Widespread, Unexpected, and Uninterpretable Biases in Generative Models and Their Implications. *AI & Society*.
- 2025 Sechman, M., & Huang, L. T.\* Towards a Mechanistic Account of Embodied Implicit Bias: Heterarchical Control Network and Its Implications for Intervention. *Topoi: An International Review of Philosophy*. (\* corresponding author).
- 2025 Huang, L. T., Hung, T.-W., & Lin, Y.-T. The Dynamics of Personal Autonomy: A Comprehensive Framework for Evaluating Human-Carebot Interactions. *Asian Journal of Philosophy*.
- 2024 Huang, L. T., Papyshv, G., & Wong, J. Democratizing Value Alignment: From Authoritarian to Democratic AI Ethics. *AI and Ethics*.
- 2022 Huang, L. T., Chen, H.-Y., Lin, Y.-T., Huang, T.-R., Hung, T.-W. Ameliorating Algorithmic Bias, or Why Explainable AI Needs Feminist Philosophy. *Feminist Philosophy Quarterly*.
- 2021 Chen, H.-Y., Yu, L.-A., & Huang, L. T.\* To Mask or Not to Mask: Epistemic Injustice in the COVID-19 Pandemics. *Techné: Research in Philosophy and Technology*. (\* corresponding author)

- 2021 Huang, L. T. More Dynamical and More Symbiotic: Cortico-Striatal Models of Resolve, Suppression, and Routine Habit. *Behavioral and Brain Sciences*.
- 2021 Huang, L. T., Bich, L., & Bechtel, W. Model Organisms for Studying Decision-Making: A Phylogenetically Expanded Perspective. *Philosophy of Science*.
- 2021 Huang, L. T. Can massive modularity explain human intelligence? Information control problem and implications for cognitive architecture. *Synthese*.
- 2020 Lin, Y.-T., Hung, T.-W., & Huang, L. T.\* Engineering Equity: How AI Can Help Reduce the Harm of Implicit Bias. *Philosophy & Technology*. (\* corresponding author)
- 2020 Carruthers, G., Carls-Diamante, S., Huang, L. T., Rosen, M., & Schier, E. How to operationalise consciousness. *Australian Journal of Psychology*, 71(4), 390-410.
- 2018 Schwitzgebel, E., Huang, L. T., Higgins, A., & Gonzalez-Cabrera, I. The insularity of Anglophone philosophy. *Philosophical Papers*, 47(1), 21-48.
- 2012 Schwitzgebel, E., Rust, J., Huang, L. T., Moore, A. T., & Coates, J. Ethicists' courtesy at philosophy conferences. *Philosophical Psychology*, 25(3), 331-340.

#### Refereed Conference Proceedings

- 2020 Huang, L. T., & Bechtel, W. A Phylogenetic Perspective on Distributed Decision-Making Mechanisms. In *Proceedings of the 42th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- 2020 Bechtel, W., & Huang, L. T. Decentering Cognition. In *Proceedings of the 42th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- 2015 Huang, L. T. Reconceptualizing the computational problem of response selection. In *Proceedings of the 10th Conference of the Australasian Society of Cognitive Science*. Melbourne: Australasian Society of Cognitive Science.
- 2014 Huang, L. T. The nativist input problem. In *Proceedings of the 36th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

#### Web-Based Writing

- 2021 Eren, E., Sekwenz, M-T., Huang, L. T., & Rzepka, S. Improving Fairness in Ad Display to Users [Blog Post]. In Birner, N., Hod, S., Kettemann, M. C., Pirang, A., & Stock, F. (Eds.), *Increasing Fairness in Targeted Advertising* [The Ethics of Digitalisation Clinics Report, 1]. Alexander von Humboldt Institute for Internet and Society. <https://graphite.page/fair-targeted-ads/>

## PRESENTATIONS

#### Refereed Conference Oral Presentations

- 2025 AI, Normality, and Oppressive Things, Biannual Conference on the Philosophy of Artificial Intelligence., Amsterdam, Netherland, October 23-24.
- 2025 AI, Normality, and Oppressive Things, AAI/ACM Conference on AI, Ethics, and Society, Madrid,

- Spain, October 20-22.
- 2025 AI, Normality, and Oppressive Things, Biennial Meeting of the Asia-Pacific Philosophy of Science Association, Taipei, Taiwan, June 17-19.
- 2024 Towards a Mechanistic Account of Embodied Implicit Bias, European Society for Philosophy and Psychology Annual Meeting, Grenoble, France, July 2-5.
- 2023 The Dynamics of Personal Autonomy: A Comprehensive Framework for Evaluating Human-Carebot Interactions, Biennial Meeting of the Asia-Pacific Philosophy of Science Association, Hanoi, July 21-22
- 2021 Model Organisms for Studying Decision-Making: A Phylogenetically Expanded Perspective, Biennial Meeting of the Philosophy of Science Association, Baltimore, MD, November 11-14.
- 2021 The Promise and Perils of Explainable AI: Lessons from Feminism, Workshop on Feminism, Social Justice and AI, Waterloo, ON, July 26-28.
- 2019 Against the "Pyramid Scheme" of Executive Function: Empirical and Conceptual Challenges, Society for Philosophy and Psychology Annual Meeting, La Jolla, CA, July 10-13.
- 2018 Neurodemocracy: Self-Organization of the Embodied Mind, Australasian Society for Philosophy and Psychology 2018 meeting, Sydney, NSW, December 5-7
- 2018 Neurodemocracy: Self-Organization of the Embodied Mind, the 26th Biennial Meeting of the Philosophy of Science Association, Seattle, WA, November 1-4.
- 2014 Reconceptualizing the Computational Problem of Response Selection. Conference of the Australasian Society of Cognitive Science, Melbourne, VIC, December 8-10.
- 2014 The Nativist Input Problem. Annual Conference of the Cognitive Science Society, Québec, QC, July 23-26.
- 2013 The Nativist Input Problem. Society for Philosophy and Psychology Annual Meeting, Providence, RI, June 12-15.
- 2008 Moral Psychology and Moral Development in Xunzi. American Philosophical Association Central Division Meeting, Chicago, IL, April 16-19.

#### Selected Invited Talks

- 2025 Hegemonic Machines: How Generative AI Normalizes Oppression, Departmental Colloquium, Department of Cultural and Religious Studies, Chinese University of Hong Kong, January 9.
- 2024 No Bias, No GAN: Generative Models Produce Widespread, Unexpected, and Uninterpretable Biases, 2024 International Symposium on AI and Humanities Research, Taiwan, November 29.
- 2024 Dynamic Value Alignment: Enhancing User Autonomy Through Multi-agent, Moral Foundations Theoretical Framework, Microsoft Research Asia TAB Workshop: Shaping the Future with Societal AI, November 14.
- 2024 Hegemonic Machines: How Generative AI Normalizes Oppression, Departmental Colloquium, Department of Philosophy and Religion, Peking University, China, November 5.
- 2024 No Bias, No GAN: Generative Models Produce Widespread, Unexpected, and Uninterpretable Biases, International Workshop on The Philosophy & Ethics of AI, Taiwan, September 7.

- 2024 No Bias, No GAN: Generative Models Produce Widespread, Unexpected, and Uninterpretable Biases, Philosophy of AI in Asia Conference, Hong Kong, March 21.
- 2023 Why Explainable AI needs Feminist Philosophy, Department of Philosophy, University of Adelaide, August 29.
- 2023 Why Explainable AI needs Feminist Philosophy, Department of Philosophy, Chulalongkorn University, December 18.

## TEACHING EXPERIENCE

### Courses Taught as a Sole Instructor

Introduction to Ethics of AI and Data Science (Hong Kong University of Science and Technology, Fall 2023, Spring 2025)

Philosophy and Cognitive Science (University of Hong Kong, Fall 2022)

Philosophy of Artificial Intelligence (University of Hong Kong, Fall 2021)

### Courses Taught as a Teaching Assistant

Introduction to Critical Thinking (University of California, Riverside, Fall 2009, Winter 2010)

Reason, Belief, and Truth (University of California, Riverside, Spring 2008)

Contemporary Moral Issues (University of California, Riverside, Winter 2008)

Evil (University of California, Riverside, Fall 2007)

### Teaching Certificate

Building AI Knowledge and Skills for Curriculum Development, City University of Hong Kong, 2023

Teaching Development Program, Faculty of Arts and Social Sciences, University of Sydney, 2014

## COURSES PREPARED TO TEACH

### Lower Level Courses

Logic

Critical Thinking

Introduction to Ethics of AI and Data Science

Philosophical Introduction to AI

Philosophy and Human Nature

Introduction to Chinese Philosophy

## Upper Level Courses

Philosophy of Mind

Philosophy of Science

Philosophy of Cognitive Science

Philosophy of Neuroscience

Philosophy of Artificial Intelligence

Philosophy of Biology

Moral Psychology

## Special Topics Courses

Implicit Bias

## SERVICE

### Service to Department

Co-Chair, Meaning and Reality in Social Context Conference, Academia Sinica, January 2019

Equity Officer and HPS Liaison, Philosophy Student Committee, University of Sydney 2014-5

Organizer, Minorities and Philosophy Initiative University of Sydney Chapter, 2014-5

### Service to Profession

Steering Committee Member, ACM Fairness, Accountability, and Transparency Conference, 2023-Present

Advisor, Academic Placement Data and Analysis, 2020-Present

Peer Reviewer, MIT Press, 2024

Peer Reviewer, Routledge, 2024

Peer Reviewer, ACM Fairness, Accountability, and Transparency Conference, 2022

Peer Reviewer, Society for Philosophy and Psychology Annual Meeting, 2020

Symposium Organizer, Biennial Meeting of the Philosophy of Science Association, 2018

Graduate Mentor, Minorities and Philosophy Initiative, 2014-2015

Peer Reviewer, *Philosophical Psychology*, 2014

Peer Reviewer, *Journal of Chinese Philosophy*, 2010

Peer Reviewer, *Philosophy of Science*, 2009

## LANGUAGES

Mandarin Chinese, native fluency in reading, writing, and speaking  
Classical Chinese, intermediate fluency in reading

## PROFESSIONAL MEMBERSHIPS

Association for Computing Machinery, 2023-Present  
Society of Philosophy and Psychology, 2008-Present  
Cognitive Science Society, 2013-Present  
American Association of Philosophy Teachers, 2015-Present  
Philosophy of Science Association, 2018-Present

## REFERENCES

William Bechtel  
UC Distinguished Professor  
Department of Philosophy  
University of California  
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Peter J. Graham (Teaching Reference)  
Associate Dean for Student Academic Affairs  
College of Humanities, Arts, and Social Sciences  
Professor, Philosophy  
Department of Philosophy  
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## Graduate Courses Taken

Philosophy	
Metaphysics and Epistemology	
Philosophy of Science	Philosophy of Psychology
Philosophy of Cognitive Science	Philosophy of Mind
Philosophy of Neuroscience	Consciousness
Theory of Mind	Perception
Philosophy of Language	Epistemology
Naming and Necessity	Logic
Philosophy of Biology*	Philosophy of Psychiatry*
Value Theory	
Free Will and Responsibility	Habermas
Caring and Practical Reason	Velleman
Multiculturalism	Moral Psychology*
Empirical Approach to Moral Psychology	
History of Philosophy	
Moral Philosophy of Hume and Kant	Aristotle's Ethics
20th-Century Analytic Philosophy	Asian Philosophy* (Offered by Comp. Lit. Dept.)
Asian Philosophy (Offered by Philosophy Dept.)	Classical Chinese* (Language Course)
Freud*	Existentialism*
Cognitive and Computational Neuroscience	
Cognitive Neuroscience	Theory of Computability
Intentionality and Perception	Consciousness and Perception
Computational Neuroscience*	Social Psychology*
* Audit	