

趙相科

中文履歷

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國立清華大學經濟系
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學術簡介

趙相科為荷蘭 Amsterdam 大學經濟學博士 (2002)，專攻經濟思想史與方法論。求學時先負笈美國加州大學戴維斯分校，後加入 Amsterdam 大學經濟思想史與方法論研究群，並為 LSE-Amsterdam 模型學派之成員。曾任倫敦政經學院、加州大學戴維斯分校、史丹佛大學、杜克大學等學府訪問學者。現任國立清華大學經濟系教授、人文社會學院學士班合聘教授、全球化經濟研究中心主任、與公共政策與管理在職專班主任。學術專長為經濟學與其相關學科的跨領域科史哲研究，研究領域為經濟學哲學與方法論、經濟思想史、科學哲學、中國現代史、與戰後台灣研究。近年來主持和參與數項跨國多邊型研究計畫，有國內外專業研究著作 20 餘篇。曾兩次獲得科技部「優秀年輕學者專題計畫」(哲學學門)獎助。其與史丹佛大學胡佛研究所林孝庭教授共同主持的「戰後台灣」研究計畫分別於 2016 與 2021 年兩次獲得蔣經國基金會「國際合作研究計畫」獎助。

現職

國立清華大學

經濟系教授 (2014-)

人文社會學士班合聘教授 (2021-)

全球化經濟研究中心主任 (2021-)

公共政策與管理在職專班主任 (2022-)

學術服務

History of Political Economy 編輯委員 (2023-)

Journal of the History of Economic Thought 書評編輯委員 (2021-)

臺灣邏輯、方法論、科學與科技哲學學會理事 (2022-)

學歷

荷蘭阿姆斯特丹大學 (University of Amsterdam) 經濟學博士 (2002)

美國加州大學戴維斯分校 (University of California, Davis) 經濟系博士班 (1996-1997)

國立政治大學經濟學碩士 (1996)

國立政治大學經濟學學士 (1991)

經歷

國立清華大學經濟系助理教授、副教授 (2002-2014)

中央研究院近史所訪問學者(2023)

美國杜克大學 (Duke University) Center for the History of Political Economy 訪問學者 (2014-2015)

美國史丹佛大學 (Stanford University) Shorenstein Asia-Pacific Research Center 訪問學者 (2008)

英國倫敦政經學院 (London School of Economics) 校級研究學者暨 Centre for Philosophy of Natural and Social Sciences 訪問學者 (2000)

美國加州大學戴維斯分校 (University of California, Davis) 經濟系訪問學者 (2000-2001)

國際科學史與科學哲學聯合會邏輯、方法論與科學哲學組中華民國委員會常務監事 (2019-2020)

《科技、醫療與社會》編輯委員 (2015-2018)、副主編 (2017-2018)

研究領域

經濟思想史與方法論、科學哲學、經濟史

學術榮譽

國立清華大學經濟系傑出研究獎 (2023)

國立清華大學科技管理學院傑出教學獎 (2021)

美國杜克大學 (Duke University) Center for the History of Political Economy 訪問學者研究獎助金, 2014-2015

資深傅爾布萊特學者研究獎助金 (Senior Fulbright Research Fellowship), 2014-2015

英國倫敦政經學院 (London School of Economics) 研究學者獎助金 (Research Scholarship), 2000

研究計畫補助

PI

蔣經國基金會國際合作研究計畫 (國外合作學者：林孝庭/史丹佛大學胡佛研究所)

〈重探戰後臺灣：國家建構、決策認知、與臺美同盟關係之難題〉，2021-2023 (co-PI 王憲群)

〈過渡與變遷：美國對戰後臺灣政治、經濟與軍事發展之影響〉，2016-2019 (co-PI 王秀雲、劉曉鵬、王憲群、李翎帆、鄭仲棠)

國立清華大學火種計畫：〈從臺灣經驗到台灣模式：全球化與地緣政治下的台灣政經與科技發展之基礎〉，2023

國立清華大學跨領域研究計畫：〈「實作科學哲學」意義之剖析〉，2020-2021 (co-PI 王憲群)

國立清華大學主軸增能整合型計畫：〈視覺再現的規約與科學技術知識的傳遞：歷史與哲學的視野〉，2014-2017 (co-PI 王憲群、琅元、李翎帆)

科技部人文行遠專書寫作計畫：〈最佳模型推論〉，2019-2024.

科技部優秀年輕學者研究計畫

〈公共政策的科學哲學分析〉，2013-2016.

〈測量理論與實作的科學哲學研究〉，2011-2013.

國科會與英國人文社會科學院 (British Academy) 國際合作人員交流計畫雙邊研究計畫：〈經濟學價值中立性的科學哲學分析〉 (co-PI Julian Reiss).

科技部 / 國科會專題計畫補助

〈重探科學數據和現象的哲學：視覺實踐中的發現和表徵〉，2024-2027

〈科學知識的形式與塑型〉，2017-2019

〈國民政府政策制定的模型分析，以 1947-1951 軍事外交政策為例〉，2010-2011

〈戰後台灣的制度變遷，國家安全，與軍事改革的政治經濟學分析〉，2009-2010

〈經濟學中的數理物件與模型之方法論與思想史分析〉，2008-2009

〈冷戰時期台灣經濟學的演變〉，2007-2008

〈測量中結構概念的演化〉，2006-2007

〈周德偉對於海耶克與奧地利學派的詮釋：方法論與思想史的考察〉，2004-2006

〈奧地利學派在台灣：兼論戰後台灣自由主義經濟思想的發展〉，2003-2004

〈經濟測量的方法論問題〉，2002-2003

CO-PI

經濟思想史學會 (The History of Economics Society) 研究計畫獎助：總體計量模型史
〈總體計量模型史〉 (The History of Macroeconometric Modeling)，2017-2018.

歐洲經濟思想史學會 (The European Society for the History of Economic Thought)—
歐洲央行 (European Central Bank Grant) 研究計畫獎助：〈總體計量模型史〉
(The History of Macroeconometric Modeling)，2016-2019.

著作

專書

1. **Chao, Hsiang-Ke** and Julian Reiss (Eds.) (2017). *Philosophy of Science in Practice: Nancy Cartwright and the Nature of Scientific Reasoning*, Cham, Switzerland: Springer.
2. **Chao, Hsiang-Ke**, Szu-Ting Chen, and Roberta L. Millstein (Eds.) (2013). *Mechanism and Causality in Biology and Economics*, Dordrecht: Springer.
3. **Chao, Hsiang-Ke** (2009). *Representation and Structure in Economics: The Methodology of Econometric Models of the Consumption Function*, London: Routledge.

主編期刊專輯

1. **Chao, Hsiang-Ke** and Harro Maas (Eds.) (2020). Thinking and Acting with Diagrams, *East Asian Science, Technology and Society: An International Journal* 14(2).
2. Boumans, Marcel and **Hsiang-Ke Chao** (Eds.) (2018). Symposium on Mary Morgan: Curiosity, Imagination, and Surprise, *Research in the History of Economic Thought and Methodology* 36B.

期刊論文

1. **Chao, Hsiang-Ke** and Hsiao-ting Lin (2024). The Political Economy of Lauchlin Currie's Land Tax Policy in Wartime China. *History of Political Economy* 56 (annual suppl.), pp. 133-154. <https://doi.org/10.1215/00182702-11470279>
2. **Chao, Hsiang-Ke** (2023). Three Kinds of the Lotka-Volterra Model Transfer from Biology to Economics. *Synthese* 202, 124. <https://doi.org/10.1007/s11229-023-04341-w>
3. 趙相科，高倚萱 (2023)。〈實證醫學中科學證據的爭議：證據階層分類的實作與科哲觀點〉，《歐美研究》第 53 卷，第 1 期，頁 59-98。
4. **Chao, Hsiang-Ke** (2022). Two Types of Travelers in the History of the Transmission of Western Economic Knowledge in Late Qing and Early Republican China. *History of Political Economy* 54(3), pp. 435-456. <https://doi.org/10.1215/00182702-9779600>
5. Lin, Hsiao-ting, **Hsiang-Ke Chao**, and Hsien-chun Wang (2020). US-Taiwan Relations during the Cold War: The "Mainland Counteroffensive" Reassessed. *Rivista Italiana di Storia Internazionale* 3(1), pp. 3-40. <http://doi.org/10.30461/97585>
6. **Chao, Hsiang-Ke** (2020). Representation and Idealization: Diagrammatic Models in the Early Studies of the Spatial Structure of Periodic Markets in Rural China. *East Asian Science, Technology and Society: An International Journal* 14(2), pp. 253-277. <https://doi.org/10.1215/18752160-8538388>
7. **Chao, Hsiang-Ke** and Harro Maas (2020). Thinking and Acting with Diagrams, *East Asian Science, Technology and Society: An International Journal* 14(2), pp. 191-197. <https://doi.org/10.1215/18752160-8537965>
8. **Chao, Hsiang-Ke** (2019). Inference to the Best Model of the Consumption Function. *History of Political Economy* 51(3), pp. 493-513. <https://doi.org/10.1215/00182702-7551888>
9. **Chao, Hsiang-Ke** (2018). Shaping Space through Diagrams: The Case of the History of Location Theory. *Research in the History of Economic Thought and Methodology* 36B, pp. 59-72. <https://doi.org/10.1108/S0743-41542018000036B005>
10. **Chao, Hsiang-Ke** and Harro Maas (2017). Engines of Discovery: Jevons and Marshall on the Methods of Graphs and Diagrams. *Research in the History of Economic Thought and Methodology* 35A, pp. 35-61. <https://doi.org/10.1108/S0743-41542017000035A003>
11. 趙相科，邱獻儀 (2017)。〈氣候模型的確證問題〉，《歐美研究》，第 47 卷，第 1 期，頁 107-142。

12. **Chao, Hsiang-Ke** (2014). Models and Credibility. *Philosophy of the Social Sciences* 44(5), pp. 588-605. <https://doi.org/10.1177/0048393114531545>
13. **趙相科** (2014)。〈孔恩與經濟學知識的增長〉，《科技、醫療與社會》，第 18 期，頁 241-280。
14. **Chao, Hsiang-Ke** and Chao-Hsi Huang (2011). Ta-Chung Liu's Exploratory Econometrics. *History of Political Economy* 43(Supplement), pp. 140-165. <https://doi.org/10.1215/00182702-1158709>
15. 林孝庭，**趙相科** (2013)。〈1962 年台海危機背景探因〉，《當代中國史研究》，第 4 期，頁 63-75。
16. **Chao, Hsiang-Ke** and Hsiao-ting Lin (2011). Beyond the Carrot and Stick: The Political Economy of the U.S. Military Aids to China, 1945-1951. *Journal of Modern Chinese History* 5(2), pp. 199-216. <https://doi.org/10.1080/17535654.2011.627117>
17. **趙相科** (2009)。〈朝向與超越拉卡托斯：當代經濟哲學發展的回顧與展望〉，《科技、醫療與社會》，第 9 期，頁 19-55。
18. **Chao, Hsiang-Ke** (2007). A Structure of the Consumption Function. *Journal of Economic Methodology* 14(2), pp. 227-248. <https://doi.org/10.1080/13501780701394102>
19. **Chao, Hsiang-Ke** (2005). A Misconception of the Semantic Conception of Econometrics? *Journal of Economic Methodology* 12(1), pp. 125-135. <https://doi.org/10.1080/1350178042000330931>
20. **Chao, Hsiang-Ke** (2003). Milton Friedman and the Emergence of the Permanent Income Hypothesis. *History of Political Economy* 35(1), pp.77-104. <https://doi.org/10.1215/00182702-35-1-77>

專書章節

1. **Chao, Hsiang-Ke** (2022). Representation. In Conrad Heilmann and Julian Reiss (Eds.), *The Routledge Handbook of Philosophy of Economics*, New York: Routledge, pp. 186-197.
2. **Chao, Hsiang-Ke** and Julian Reiss (2017). Introduction. In Hsiang-Ke Chao and Julian Reiss (eds.) *Philosophy of Science in Practice: Nancy Cartwright and the Natural of Scientific Reasoning*, Cham, Switzerland: Springer, pp. 181-197
3. **Chao, Hsiang-Ke** and David Teira (2017). Model-Based Knowledge and Credible Policy Analysis. In Hsiang-Ke Chao and Julian Reiss (eds.) *Philosophy of Science in Practice: Nancy Cartwright and the Natural of Scientific Reasoning*, Cham, Switzerland: Springer, pp. 181-197.

4. **Chao, Hsiang-Ke**, Szu-Ting Chen, and Roberta L. Millstein (2013). Towards the Methodological Turn in the Philosophy of Science. In Hsiang-Ke Chao, Szu-Ting Chen and Roberta L. Millstein (eds.) *Mechanism and Causality in Biology and Economics*, Dordrecht: Springer, pp. 1-16.
5. **Chao, Hsiang-Ke** and Szu-Ting Chen (2013). Explaining the Explanations of 100 Million Missing Women. In Hsiang-Ke Chao, Szu-Ting Chen and Roberta L. Millstein (eds.) *Mechanism and Causality in Biology and Economics*, Dordrecht: Springer, pp. 225-242.
6. **Chao, Hsiang-Ke** (2007). Structure. In Marcel Boumans (Ed.) *Measurement in Economics: A Handbook*, Amsterdam: Elsevier, pp. 271-294.

其他

1. **Chao, Hsiang-Ke** (2022). It Takes a Model to Beat a Model: A Review of Peter Galbács' *The Friedman-Lucas Transition in Macroeconomics: A Structuralist Approach*. *Journal of Economic Methodology* 29(3), pp. 252-256.
2. **趙相科** (2022)。〈蔣經國與諾貝爾經濟學家之互動和對自由經濟思想之看法〉，〈蔣經國總統資料庫〉，國史館。
3. **趙相科** (2019)。〈經濟理論與模型〉，《華文哲學百科》。

學術研討會發表

1. Diagrammatic Misrepresentation, *Dancing Diagrams, Numbers, and Other Things: Harro Maas in Lausanne (2015-2024)*, University of Lausanne, Switzerland, June 6, 2024.
2. The Political Economy of Lauchlin Currie's Land Tax Policy in Wartime China, *HOPE Conference*, Duke University, Durham, USA, April 28-30, 2023.
3. Three Kinds of Lotka-Volterra Model Transfer to Economics. *Taiwan-Belgium Philosophy of Science Online Workshop*, 9/12-13, 2022.
4. Traveling Models: Ingredients and Justifications. *Transdisciplinary Model Transfer and Its Interface* (virtual conference), 3/12-14, 2021.
5. 實證醫學中科學證據的爭議，「科學的實作與歷程工作坊」，國立成功大學，9/19-20, 2020.
6. Journey to the West: Re-Interpreting the Transmission of Western Economics to China, 1880–1940. *The Road to Knowledge* (virtual conference), 6/13-16, 2020.
7. 氣候變遷與科學哲學，「環境科學的哲學論壇」，科技部人文社會研究中心，12/20, 2019.

8. Shaping the Space through Diagrams: The Case of the History of Location Theory. *Curiosity, Imagination and Surprise: The Conference in Honor of Mary S. Morgan*, Utrecht University, 9/1-2, 2017.
9. The History of Empirical Consumption Function, *History of Economics Society Annual Meeting*, Duke University, Durham, USA, June 17-20, 2016; *Conference on the History of Macroeconometric Modeling*, Utrecht University, 4/6-7, 2017.
10. Visual Idealization. Reasoning and Representation with Diagrams: *The History and Philosophy of Science and Technology in East and West*, 國立清華大學, 11/24-25, 2016.
11. Causes or Reasons? Explaining the History of Economic Science, 「科學史學方法論工作坊」, 國立清華大學, 10/14, 2016.
12. Models and Objectivity. *DEMOCRASCI-the Value-Free Ideal in Economics Workshop*, Durham University, Durham, UK, December 3-4, 2015.
13. Reasoning into and with Diagrams: The Case of Economic Science. *Three Rivers Philosophy Conference 2015: Pictures and Proofs*, University of South Carolina, Columbia, South Carolina, USA, March 19-21, 2015.
14. Credible Public Policy Analysis, *The Tsing Hua Conference on Economics of Public Policy*, 國立清華大學, 6/9-10, 2014.
15. Models and Credibility, *The First Joint European Network for the Philosophy of the Social Sciences/Philosophy of Social Science Roundtable Conference*, Ca' Foscari University of Venice, Venice, Italy, September 3-4, 2013, and *The Third East Asian Philosophy of Science Conference*, 國立清華大學, 10/3-4, 2013.
16. The American Influence on the Making of Chinese Economic Policy during World War II, *The Eighth International Convention of Asia Scholars*, Macau, 6/24-27, 2013.
17. Kuhn and the Growth of Economic Knowledge. *The Semi-centennial of Kuhn's Structure: From HPS to STS*. 國立陽明大學, 8/9-10, 2012.
18. The Strategies for Discovering 100 Million Missing Women. *Taiwan Conference on the Philosophy of Biology and Economics: Mechanism and Causality*, 國立清華大學, 3/24-25, 2011.
19. Ta-Chung Liu's Exploratory. *HOPE Workshop 2010*, Duke University, USA, 4/2010; 台灣計量學會特邀演講, 10/2010.
20. Reflections on the Development of Philosophy of Science in Taiwan: An 'STS' Analysis. *The Third East Asian Science, Technology and Society Conference*, 國立陽明大學, 6/2009.

21. Geometrical Models in Economics. *International Conference on Philosophy of Biology and Economics*, 國立中正大學, 11/21-23, 2008.
22. Structuring the New World. *Ian Hacking* 工作坊, 國立清華大學, 11/2007.
23. Structure. *Measurement in Economics Workshop*, Amsterdam, the Netherlands, 4/2006.
24. A Structure of the Consumption Function. *Naturalized Epistemology and Philosophy of Science*, Soochow University International Philosophy Conference, 東吳大學, 6/2006.
25. Trygve Haavelmo and Measurement of Economic Structure. *History of Economics Society Annual Meeting*, Toronto, Canada, 6/25-28 2004, and *International Network for Economic Method Meeting*, Amsterdam, the Netherlands, 8/19-21, 2004.
26. Milton Friedman and the Emergence of the Permanent Income Hypothesis. *European Conference of History of Economics*, Rotterdam, the Netherlands, 4/20-22, 2000.
27. New Classical Models as Measuring Devices. *History of Economics Society Annual Meeting*, Greensboro, North Carolina, USA, 6/25-28, 1999.

期刊、出版社、審查人

Cold War History

Computational Economics

Economics and Philosophy

Environmental Modelling and Software

History of Political Economy

Homo Oeconomicus

International Studies in the Philosophy of Science

Journal of Econometrics

Journal of Economic Methodology

Journal of Economic Surveys

Journal of the History of Economic Thought

Lumen

Oxford Economic Papers

Pacific Economic Review

Philosophy of Science

Research in the History of Economic Thought and Methodology

Review of Quantitative Finance and Accounting,

Social Studies of Science

Synthese

Theoria

人文及社會科學集刊

社會科學論叢

東吳大學經濟商學學報

科技、醫療與社會

政治與社會哲學評論	Oxford University Press
國立政治大學哲學學報	Routledge
國立臺灣大學哲學評論	Springer
經濟論文叢刊	國立臺灣大學出版中心
經濟論叢	Social Sciences and Humanities
歐美研究	Research Council of Canada
Elsevier	國家科學及技術委員會

學術活動籌辦

1. 年度「戰後台灣工作坊」，2016-迄今 <https://sites.google.com/view/postwartaiwan>
2. *Reasoning and Representation with Diagrams: Science and Technology in the East and West*, 國立清華大學，11/24-25, 2016.
3. 科學史學方法論工作坊，國立清華大學，10/14, 2016
4. *The Tsing Hua Conference on the Economics of Public Policy*, 國立清華大學，6/9-10, 2014
5. *Evidence, Capacities, and Explanation: Conference on Cartwright's Philosophy*, 國立清華大學，9/12-14, 2012.
6. *The Taiwan International Conference on Philosophy of Economics and Biology*, 國立清華大學，3/24-26, 2011.
7. *The International Conference and Workshop on Philosophy of Biology and Economics: Models and Evolution*, 國立中正大學，11/ 21-23, 2008.

其他國際學術活動參與

1. Scientific Committee, Asian Network for the Philosophy of the Social Sciences Biennial Conference (2025).
2. Scientific Committee, Asia-Pacific Philosophy of Science Association Biennial Conference (2025).
3. 科學哲學學會 (Philosophy of Science Association) Philosophy of Science Around the World 座談與談人 (2023)
4. 經濟思想史學會 (History of Economics Society) Craufurd Goodwin 最佳期刊論文獎評審委員 (2019)、委員會主席 (2020).
5. Springer 出版社 2017 年 UNESCO 世界哲學日 (World Philosophy Day) 專訪 <https://beforetheabstract.com/2017/11/10/world-philosophy-day-part-1/>