

CURRICULUM VITAE

Chun-Hsien Yeh
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Mailing Address

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Education:

Ph.D. in Economics, University of Rochester, N.Y., U.S.A., June 2002

Employment:

July 2011 ----- Present: **Research Fellow**, Institute of Economics, Academia Sinica

September 2025 ----- Present: **Minister without Portfolio** and **Minister** of National Development Council, Executive Yuan

February 2014 ----- Present: **Adjunct Professor**, Department of Economics, National Taiwan University

January 2023 ----- May 2024: **President**, Chung-Hua Institution for Economic Research

November 2018 ----- December 2022: **Vice President**, Chung-Hua Institution for Economic Research

February 2013 ----- August 2025: **Adjunct Professor**, Institute of Business and Management, National Chiao Tung University

February 2008 ----- June 2011: **Associate Research Fellow**, Institute of Economics,
Academia Sinica

February 2007 ----- January 2008: **Associate Professor**, Department of Economics,
National Central University

September 2002 ----- January 2007: **Assistant Research Fellow**, Institute of Economics,
Academia Sinica

Research Fields:

Game Theory, Mathematical Economics, Mechanism Design, Fair Allocation Mechanism,
Microeconomic Theory, Political Economy

Dissertation:

Title: Consistency and protection for choice problems
Supervisor: Professor William Thomson

Publications:

“The consistency principle in the reordering problem” (joint with Youngsub Chun, Rene van den Brink, and Min-Hung Tsay) accepted at *International Journal of Game Theory* 55, article number 22, 2026 (SSCI, JEL, Econlit) (國科會經濟學門 A 級期刊)

“Axiomatic and strategic justifications of the connected equal splitting rule in the reordering problem” (joint with Youngsub Chun and Min-Hung Tsay) *Journal of Mathematical Economics* 2025, 177 103095 (SSCI, JEL, Econlit) (國科會經濟學門 A 級期刊)

“Axiomatic and strategic foundations for the pairwise equal splitting rule in sequencing problems with an initial queue” (joint with Min-Hung Tsay and Lan-Yi Liu) *Social Choice and Welfare* 65, 335–361, 2025, (SSCI, JEL, Econlit) (國科會經濟學門 A 級期刊)

“Assessment of electricity price adjustments and supporting schemes” (joint with Chin-Wen Yang, Je-Liang Liou, Jong-Shen Chen, Ruei-He Jheng, Ming-Tse Wu, Hsuan-Yu Chang, and Chun-Chiang Feng) accepted at *Taiwan Economic Forecast and Policy* 56:1, 101-152, 2025 (TSSCI, Econlit) (國科會經濟學門 B+級期刊)

“The economic analysis of impact and policy response of COVID-19 on tourism industry in Taiwan” (joint with Je-Liang Liou) *Current Issue in Tourism* 28, 1342-1360, 2025 (SSCI, JEL, Econlit) **First author (Impact factor: 8; Q1)**

“Strategic justifications of the TAL-family of rules for bankruptcy problems” (joint with Juan D. Moreno-Ternero and Min-Hung Tsay) *International Journal of Economic Theory* 18:1, 92-102, 2022 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 B+ 級期刊)

“Policy responses to the impacts of COVID-19 pandemic on Asia” (joint with Peter Chow and Hsien-Min Lien) *Pacific Economic Review*, 27:317-318, 2022 (SSCI, JEL, Econlit) **First author**

“A strategic justification of the Talmud rule for bankruptcy problems based on lower and upper bounds” (joint with Juan D. Moreno-Ternero and Min-Hung Tsay) *International Journal of Game Theory* 49, 1045-1057, 2020 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 A 級期刊)

“Relations between the central rules in bankruptcy problems: a strategic implementation perspectives” (joint with Min-Hung Tsay) *Games and Economic Behavior* 113, 515-532, 2019 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 A+ 級期刊)

“A study of the nucleolus in the nested cost sharing problems: axiomatic and strategic perspectives” (joint with Cheng-Cheng Hu and Min-Hung Tsay) *Games and Economic Behavior* 109, 82-98, 2018 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 A+ 級期刊)

“A strategic interpretation of the Shapley value for the nested cost sharing problem” (joint with Youngsub Chun and Cheng-Cheng Hu) *Journal of Public Economic Theory* 19:1, 219-233, 2017 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 B+ 級期刊)

“Consistent extensions and sub-solutions of the core for the multi-choice transferable utility games” (joint with Yan-An Hwang and Yu-Hsien Liao) *Optimization* 64:4, 913-928, 2015 (SCI)

“Axiomatic and strategic justifications for the constrained equal benefits rule in the airport problem” (joint with Cheng-Cheng Hu and Min-Hung Tsay) *Games and Economic Behavior*, 75 (1): 185-197, 2012 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 A+ 級期刊)

“Characterizations of the sequential equal contributions rule for the airport problem” (joint with Youngsub Chun and Cheng-Cheng Hu) *International Journal of Economic Theory*, 8 (1): 77-85, 2012 (SSCI) (國科會經濟學門 B+ 級期刊)

“A characterization of the nucleolus without homogeneity in airport problems” (joint with Yan-An Hwang) *Social Choice and Welfare*, 38(2): 355-369, 2012 (SSCI, JEL, Econlit) **Corresponding author** (國科會經濟學門 A 級期刊)

“Operators for the adjudication of conflicting claims,” (joint with William Thomson) *Journal of Economic Theory*, 143: 177-198, 2008 (SSCI, JEL, Econlit) (國科會經濟學門 A+級期刊)

“An efficiency characterization of plurality rule in collective choice problems,” *Economic Theory*, 34: 575-583, 2008 (SSCI, JEL, Econlit) **Single author** (國科會經濟學門 A+級期刊)

“Secured lower bound, composition up, and minimal rights first for bankruptcy problems,” *Journal of Mathematical Economics*, 44: 925-932, 2008 (SSCI, JEL, Econlit) **Single author** (國科會經濟學門 A 級期刊)

“Efficiency and converse reduction-consistency in collective choice problems,” (joint with Yan-An Hwang), *Economics Bulletin*, 4(28): 1-7, 2007 (e-JEL, Econlit)

“Reduction-consistency in collective choice problems,” (Lead article) *Journal of Mathematical Economics*, 42: 637-652, 2006 (SSCI, JEL, Econlit) **Single author** (國科會經濟學門 A 級期刊)

“Protective properties and the constrained equal awards rule for claims problems,” (Lead article) *Social Choice and Welfare*, 27(2): 221-230, 2006 (SSCI, JEL, Econlit) **Single author** (國科會經濟學門 A 級期刊)

“Sustainability, exemption, and the constrained equal awards rule: a note,” *Mathematical Social Sciences*, 47(1): 103-110, 2004. (SSCI, JEL, Econlit) **Single author** (國科會經濟學門 B 級期刊)

Papers under reviews

“A unified framework of connecting the central rules in the nested cost sharing problems: a strategic implementation perspective” (joint with Min-Hung Tsay)

Working papers:

“Agreement consistency in collective choice problems”

“Consistency characterizations of the sequential equal contributions rule in irrigation problems” (joint with Cagatay Kayi)

“Reduction-consistency and the Condorcet principle in collective choice problems” (joint with Yan-An Hwang and Biung-Ghi Ju)

“Reduced problem, and axiomatic and strategic justification” (joint with Cheng-Cheng Hu and Min-Hung Tsay)

“Reduction-consistency and majority rule in collective choice problems” (joint with Yan-An Hwang)

“Minimal reduction-consistent extension of the top cycle rule”

“Order preservation in private goods economy with single-peaked preferences”

Work in progress:

“Monotonicity and independence properties of rules for airport problems”

Presentations:

Chun-Hsien Yeh, 2001, “Reduction-Consistency in Collective Choice Problems”, presented at the 12th International Conference on Game Theory, Stony Brook, New York, U.S.A.

William Thomson and Chun-Hsien Yeh, 2001, “Minimal rights, maximal claims, duality, and convexity for the resolution of conflicting claims”, presented by Thomson at the 35th Annual Meeting of the CEA, McGill University, Montreal, Quebec, Canada.

Chun-Hsien Yeh, 2002, “Reduction-Consistency in Collective Choice Problems”, presented at the 6th meeting of Social Choice and Welfare, Pasadena, California, U.S.A.

Chun-Hsien Yeh, 2004, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at Taipei workshop on Game Theory and Economic Theory, Taiwan.

Chun-Hsien Yeh, 2004, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at seminar in department of economics, the Chinese University of Hong Kong, Hong Kong.

Chun-Hsien Yeh, 2004, “Protective properties and the constrained equal awards rule for claims problems”, presented at FAR Eastern Meeting of the Econometric Society, Yonsei University, Seoul, Korea

Chun-Hsien Yeh, 2004, “An alternative characterization of the nucleolus in airport problems”, presented at the 2nd World Congress of the Game Theory Society, Marseille, France

- Chun-Hsien Yeh, 2004, “An alternative characterization of the nucleolus in airport problems”, presented at the 7th international Meeting of the Society for Social Choice and Welfare, Osaka, Japan
- Chun-Hsien Yeh, 2004, “An alternative characterization of the nucleolus in airport problems”, presented at Taipei workshop on Public Economics, Taipei, Taiwan
- Chun-Hsien Yeh, 2004, “An alternative characterization of the nucleolus in airport problems”, accepted for presentation at 15th International Conference on Game Theory, Stony Brook, New York, U.S.A.
- Chun-Hsien Yeh, 2005, “An alternative characterization of the nucleolus in airport problems”, presented at the Asian Decentralization Conference 2005 Seoul Korea
- Chun-Hsien Yeh, 2005, “Reduction-consistency in collective choice problems”, presented at the First Asian Workshop on General Equilibrium Theory (GETA 2005) Tokyo Japan
- Chun-Hsien Yeh, 2005, “Reduction-consistency and the Condorcet principle in collective choice problems”, presented at 16th International Conference on Game Theory, Stony Brook, New York, U.S.A.
- Chun-Hsien Yeh, 2006, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the conference of Journal of Public Economics Theory, Hanoi, Vietnam
- Chun-Hsien Yeh, 2006, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at 2006 Taipei Conference on Economic Theory and Applications, Taipei, Taiwan
- Chun-Hsien Yeh, 2006, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the 2nd Decentralization Conference, Tsukuba, Japan
- Chun-Hsien Yeh, 2006, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the 1st Dutch-Taiwanese (NOW-NSC) seminar, Department of Applied Mathematics, University of Twente, Enschede, the Netherlands
- Chun-Hsien Yeh, 2006, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the Game Theory Seminar of the University of Tilburg, Tilburg, the Netherlands
- Chun-Hsien Yeh, 2007, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the Economic Theory Seminar of Korea University, Seoul, Korea

- Chun-Hsien Yeh, 2007, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the 8th SAET conference, Kos, Greece
- Chun-Hsien Yeh, 2007, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the Far Eastern meeting, Taipei, Taiwan
- Chun-Hsien Yeh, 2007, “Secured lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the GETA conference, Singapore
- Chun-Hsien Yeh, 2008, “Secured Lower bound, minimal rights first, and composition up for bankruptcy problems”, presented at the seminar of Singapore Management University, Singapore
- Chun-Hsien Yeh, 2009, “An alternative characterization of the nucleolus in airport problems”, presented at the First Economics Workshop among Eastern Asia institutes, Seoul, Korea
- Chun-Hsien Yeh, 2009, “Converse consistency and the constrained equal benefits rule in airport problems”, presented at the 4th Asian Decentralization Conference, Seoul, Korea
- Chun-Hsien Yeh, 2009, “Converse consistency and the constrained equal benefits rule in airport problems”, presented at the GETA conference, Tokyo, Japan
- Chun-Hsien Yeh, 2012, “Consistency, converse consistency and strategic justification”, presented at the 13th annual conference of Journal of Public Economic Theory, Taipei, Taiwan
- Chun-Hsien Yeh, 2012, “Consistency, converse consistency and strategic justification”, presented at the 12th annual conference of Society of Advanced Economic Theory, Queensland, Australia
- Chun-Hsien Yeh, 2013, “Bilateral consistency and converse consistency in axiomatic and strategic justifications of the nucleolus”, presented at the fifth Economics Workshop among Eastern Asia institutes, Juju, Korea
- Chun-Hsien Yeh, 2013, “Bilateral consistency and converse consistency in axiomatic and strategic justifications of the nucleolus”, presented at the 13th annual conference of Society of Advanced Economic Theory, Paris, France
- Chun-Hsien Yeh, 2013, “Bilateral consistency and converse consistency in axiomatic and strategic justifications of the nucleolus”, presented at the Asian Meeting of Econometric Society, Singapore

- Chun-Hsien Yeh, 2013, “A strategic interpretation of the Shapley value for the nested cost sharing problem”, presented at the Workshop of the center of Games and Economic Behavior, University of Shangdao, Shangdao, China
- Chun-Hsien Yeh, 2014, “A strategic interpretation of the Shapley value for the nested cost sharing problem”, presented at the 14th annual conference of Society of Advanced Economic Theory, Tokyo, Japan
- Chun-Hsien Yeh, 2014, “A strategic interpretation of the Shapley value for the nested cost sharing problem”, presented at the ICM-NANO, Taipei, Taiwan
- Chun-Hsien Yeh, 2015, “The egalitarian solution versus the nucleolus: a strategic comparison”, presented at 2015 Eastern Asia Game Theory, Tokyo, Japan
- Chun-Hsien Yeh, 2016, “Relations among the central rules in bankruptcy problems: a strategic justification perspective”, presented at the 7th York Annual Symposium on Game Theory, University of York, York, UK
- Chun-Hsien Yeh, 2016, “Relations among the central rules in bankruptcy problems: a strategic justification perspective”, presented at the 13th meeting of the society for Social Choice and Welfare, Lund University, Lund, Sweden
- Chun-Hsien Yeh, 2017, “A strategic justification of the Talmud rule based on lower and upper bounds”, presented at 2017 Eastern Asia Game Theory, Singapore, Singapore
- Chun-Hsien Yeh, 2017, “Relations among the central rules in bankruptcy problems: a strategic justification perspective”, presented at Conference on Economic Design, University of York, York, UK
- Chun-Hsien Yeh, 2017, “Relations among the central rules in bankruptcy problems: a strategic justification perspective”, presented at the 13th meeting of the society for Social Choice and Welfare, Lund University, Lund, Sweden
- Chun-Hsien Yeh, 2018, “A strategic justification of the Talmud rule based on lower and upper bounds”, presented at the 14th meeting of the society for Social Choice and Welfare, Seoul, Korea
- Chun-Hsien Yeh, 2022, “Unified strategic foundations of the Shapley value, the nucleolus and the egalitarian solution for nested cost-sharing problems”, presented at the 2022 Asia Meeting of the econometric society, Tokyo
- Chun-Hsien Yeh, 2022, “Unified strategic foundations of the Shapley value, the nucleolus and the egalitarian solution for nested cost-sharing problems”, presented at 2022 Conference on Mechanism and Institution Design, Singapore

Awards and Honors:

Excellent Research Award for Junior Faculty, National Central University, Taiwan, 2007

Outstanding Research Award, National Central University, Taiwan, 2007, 2008

Young Investigator Merit Award, National Science Council, Taiwan, (國科會績優年輕學者計畫) 2007-2009

Wu Ta-Yu Memorial Prize, National Science Council, Taiwan, (國科會吳大猶先生紀念獎) 2008

Marquis *Who's Who* in the world, 2009, 2018, 2019, 2020

Career Development Award, Academia Sinica, Taiwan, (中央研究院前瞻計畫) 2010-2014

Junior Research Overseas Study Program, Academia Sinica, 2010-2011

Excellent Junior Researcher Award, National Science Council, Taiwan, (國科會優秀年輕學者計畫) 2011-2013

Outstanding Research Award, National Science Council, Taiwan, (國科會傑出研究獎) 2011

Advisor Award for the Best Ph.D. Thesis, Taiwan Economics Association, Taiwan, 2012

Outstanding Research Award, National Science and Technology Council, Taiwan, (國科會傑出研究獎) 2025

Public services:

- Committee Member, Mainland Affairs Council (大陸委員會諮詢委員)
- Committee Member, National Council For Sustainable Development (行政院國家永續發展委員會委員)
- Committee Member, National Development Fund, Executive Yuan (行政院國發基金投資評估審議委員會委員)
- Director, Taiwan Institute for Sustainable Energy (TAISE 台灣永續能源基金會董事)
- Committee Member of National Income Statistics, Directorate General of Budget, Accounting and Statistics, Executive Yuan (行政院主計總處國民所得統計評審會委員)

- **Committee Member**, Taiwan Academy of Banking and Finance Training & Research. Steering Committee (台灣金融研訓院研訓指導委員會委員)
- **Director**, Taiwan Economic Association (台灣經濟學會理事)
- **Managing Director**, Taiwan Business Bank (台灣中小企業銀行常務董事) (Representative of the National Development Fund)
- **Director**, Taiwan Semiconductor Manufacturing Company (台灣積體電路公司董事) (Representative of the National Development Fund)

Academic services:

Associate Editor for

- *Journal of Social Sciences and Philosophy* (人文及社會科學集刊 TSSCI) 2013~2019
- *Academia Economic Papers* (經濟論文 TSSCI) 2013~2018
- *Economic Modelling* (SSCI) 2019~Present

Referee for

- *Journal of Economic Theory*
- *Games and Economic Behavior*
- *Theoretical Economics*
- *Economic Theory*
- *Journal of Mathematical Economics*
- *Social Choice and Welfare*
- *International Journal of Game Theory*
- *Mathematical Social Sciences*
- *Journal of Public Economic Theory*
- *Applied Mathematics Letters*
- *Theory and Decision*
- *International Game Theory Review*
- *Mathematical Methods of Operations Research*
- *European Journal of Operational Research*
- *Taiwan Economic Review*
- *Academia Economic Papers*
- Foundation for the Advancement of Outstanding Scholarship
- 新加坡國立大學升等、學位外審委員、上海財經大學升等外審委員
- National Science Council of Taiwan (科技部研究計畫初、複審委員、科技部經典譯注複審委員、科技部獎勵科技人員短期進修、科技部經濟學門學術研習營共同主持人、經濟學門學術研習營理論組主持人、中央研究院博士後審查複審委員、中央研究院深耕計畫初、複審委員、考試院典試、出題、閱卷委員、傑出人才基金會外審委員)