

Curriculum Vitae
Yen-Sheng Chiang

Institute of Sociology
Academia Sinica
Taiwan, R.O.C
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Academic Positions

Research Fellow and Deputy Director, Institute of Sociology, Academia Sinica, Taiwan
(2021 - present)

Associate Research Fellow, Institute of Sociology, Academia Sinica, Taiwan
(2017 -2021)

Assistant Professor, Department of Sociology, The Chinese University of Hong Kong
(2014 - 2017).

Assistant Research Fellow, Institute of Sociology, Academia Sinica, Taiwan
(2013)

Assistant Professor, Department of Sociology, University of California, Irvine, U.S.A
(2009 - 2012).

Visiting Postdoc Researcher, Hokkaido University, Japan
(2009 summer)

Postdoc Researcher, Max Planck Institute for Human Development, Berlin, Germany
(2008 - 2009)

Education

Ph.D. in Sociology, University of Washington (2008).

M.A. in Sociology with *Honor of Best Thesis*, University of Washington (2004).

B.A. in Economics, National Taiwan University (1996).

Research Interests

Social Networks, Social Psychology, Computational Modeling, Behavioral Experiment

Research Honors, Awards, and Certifications

Outstanding Research Award, National Science and Technology Council, Taiwan
(2023)

Winner of the Best Paper Award, American Sociological Association, section of
'Evolution, Biology and Society' (2021)

- Honorable Mention of the Best Paper Award**, American Sociological Association, section of 'Rationality and Society' (2021)
- Outstanding Research Award**, The Ministry of Science and Technology, Taiwan (2018)
- Social Science Assistant Professor Research Award**, University of California, Irvine (2010)
- Overseas Postdoc Fellowship**, Japan Society for the Promotion of Science (2009)
- Best Graduate Paper**, American Sociological Association, section of Rationality and Society (2007).
- Best Graduate Paper**, American Sociological Association, section of Mathematical Sociology (2007)
- Certification in Social Statistics**, Center for the Statistics and Social Sciences (CSSS), University of Washington (2006)
- Outstanding Performance for the Masters of Arts Degrees**, Department of Sociology, University of Washington (2005)
- Selective Participants**, the Summer Workshop of Computational Social Science, Santa Fe Institute (2005)
- Best Paper Award**, the 3rd US-Japan Joint Conference on Mathematical Sociology (2004)

Publications (Referred Journal Papers)

- Chiang, Y-S.**, Chang, P-Y., and Shia, B-C. 2024. "Estimating the command hierarchy of a drug trafficking group based on criminals' telecommunication network" *Journal of Computational Social Science*, online first (<https://doi.org/10.1007/s42001-024-00301-7>).
- Chiang, Y-S.**, Chang, Y-C., and Weng, W. 2024. "To blend in or hide out? A network analysis on maritime criminal co-voyages in Taiwan" *Journal of Quantitative Criminology*, 40, 373-393.
- Liao, K-H., **Chiang, Y-S.**, and Chan, J. 2023. "The Levee Dilemma Game: A Game Experiment on Flood Management Decision-Making" *International Journal of Disaster Risk Reduction*, 90, 103362.
- 譚耀、彭泰權、江彥生. 2022. 「候選人臉書好友網絡的面貌、行程與結果：以2016年區域立委選舉為例的社群網絡分析」 *資訊社會研究*, 43115-152.
- Ryan P. Badman, Ace X. Wang, Martin Skrodzki, Hengchin Cho, David Aguilar-Lleyda, Naoko Shiono, Seng Bum Michael Yoo, **Yen-Sheng Chiang**, and Rei Akaishi., 2022. "Trust in institutions, not in political leaders, determines compliance in Covid-19 prevention measures within societies across the globe" *Behavioral Sciences*, 12(6), 170.
- Chiang, Y-S.**, 2021. "Indirect reciprocity for mitigating intergroup hostility: A vignette

experiment and an agent-based model on intergroup relations between mainland Chinese and Taiwanese” *Journal of Conflict Resolution*, 65, 403-426.

***Honorable mention of the best paper award of the American Sociological Association**

Chiang, Y-S., Cheng, Y-W., Chuang, W-C., Wu, C-I, Wu, C-T. 2020. “Triadic balance in the brain: Seeking brain evidence for Heider’s structural balance theory” *Social Networks*, 63, 80-90.

***Winner of the best paper award of the American Sociological Association**

Chiang, Y-S., Wang, L-T. 2020. “Does the β -measure make empirical sense? A vignette experiment on humans’ judgment of social dominance” *Social Networks*, 62, 43-49.

Chiang, Y-S., Tao, L. 2019. “Structural balance across the strait: A behavioral experiment on the transition of positive and negative intergroup relationships in mainland China and Taiwan.” *Social Networks*, 56, 1-9.

Chen, J., Tam, T., **Chiang, Y-S.** 2019. “The rise of merit-based inequality acceptance after exposure to competition” *Social Indicators Research*, 144, 707-728.

Chiang, Y-S., Chen, J. 2019. “Does inequality cause a difference in altruism between the rich and the poor? Evidence from a laboratory experiment.” *Social Indicators Research*, 144, 73-95.

Chiang, Y-S., Hsu, Y-F. 2019. “The asymmetry of altruistic giving when givers outnumber recipients and vice versa.” *Journal of Economic Psychology*, 73, 152-160.

Chiang, Y-S., Hsu, Y-F. 2017. “Direct election of group decision makers can facilitate the emergence of cooperation.” *Group Decision & Negotiation*, 26, 197-213.

Yang, C.Y., Phoa, F.H.K., **Chiang, Y-S.** 2017. “A statistical and modeling on social transitivity behavior.” *Asian Journal of Humanities and Social Studies*, 5, 2.

Phoa, F.H.K., Weng, P.C.Y., **Chiang, Y-S.** 2017. “A mathematical model on the propagation of node attributes on a social network.” *IEEE Transactions on Engineering Sciences*, 107-114.

江彥生、陳昇瑋. 2016. 「簡介計算社會學：一個結合電腦與數位科技的新興社會學研究」，*台灣社會學*, 32, 171-201.

Stovel, K., **Chiang, Y-S.** 2016. “Commitments and contests: How preferential association produces equity.” *American Behavioral Scientists*, 60, 1194-1214.

Chiang, Y-S. 2015 “Good Samaritans in networks: An experiment on how networks influence egalitarian sharing and the evolution of inequality”. *PLoS One*, 10(6), e0128777.

Chiang, Y-S. 2015 “Inequality measures perform differently in global and local assessments: An exploratory computational experiment”. *Physica A*, 437, 1-11.

Chiang, Y-S., Wu, C-I. 2015 “Social influence and the adaptation of parochial altruism” *Evolution and Human Behavior*, 36: 430-437.

Lee, E., Luo, J-K., Chen, W-M., Chen, Y-C., Lin, S-D., **Chiang, Y-S.,** Chen, K-D. 2014 “Fairness-aware loan recommendation for microfinance services.” *Proceedings of*

the 7th ASE International Conference on Social Computing

- Chiang, Y-S.** 2013 “Cooperation could evolve in complex networks when activated conditionally on network characteristics.” *Journal of Artificial Societies and Social Simulation*, 16: 6.
- Chiang, Y-S.** 2013 “Book review on ‘Complex Adaptive System’ by Miller and Page.” *Journal of Mathematical Sociology*, 37, 59-60.
- Chiang, Y-S.** 2011 “Judgment of Distributional Inequality in Networks.” *Social Networks* 33: 342-349.
- Chiang, Y-S., Takahashi, N.** 2011 “Network Homophily and the Evolution of the Pay-it-Forward Reciprocity.” *PLoS One* 6: e29188.
- Chiang, Y-S.** 2010 “Self-Interested Partner Selection can Lead to the Emergence of Fairness.” *Evolution and Human Behavior* 31: 265-270.
- Chiang, Y-S.** 2008 “A Path towards Fairness: Preferential Association and the Evolution of Strategies in the Ultimatum Game.” *Rationality and Society* 20:173-201.
***winner of the best graduate paper of the American Sociological Association**
- Chiang, Y-S.** 2007 “Birds of Moderately Different Feather: Bandwagon Dynamics and the Threshold Heterogeneity of Network Neighbors.” *Journal of Mathematical Sociology* 31: 47-69.
***winner of the best graduate paper of the American Sociological Association**
- Chiang, Y-S.** 2007 “The Evolution of Fairness in the Ultimatum Game.” *Journal of Mathematical Sociology* 31: 175-186

Other Publications

- 江彥生 2021. 「英雄氣短，小卒氣長？淺談助人行為的群眾效應」
中央研究院 漫步科研專欄. 2021. 09.23.
- 傅仰止、江彥生 2020. 「新冠疫情的社會網絡聯想：接觸、距離、叢聚」
台灣社會學刊, 67, 227-237.
- Kitts, J., **Chiang, Y-S.** 2008 “Norms”, invited chapter in *Encyclopedia of Social Problems*. Sage Publications.

Research Grants

- Academia Sinica Thematic Research Grant** (2023-2025), NT\$7,000,000 a year
- The Ministry of Science and Technology of Taiwan** (2019), NT\$ 1,179,000
- Academia Sinica**, Data Science seed grant (2018), NT\$ 950,000
- The Chinese University of Hong Kong**, Direct Grant (2015), HK\$ 40,000.
- The Chinese University of Hong Kong**, Direct Grant (2014), HK\$ 61,902.
- National Taiwan University**, Laker Research Grant (2013), NT\$500,000, co-PI.

National Science Foundation, U.S.A., Dissertation Improvement Grant (2007),
US\$7,500, co-PI

Teaching Experiences

2023 Spring semester

“Group Decision Making” (Academia Sinica Humanities Core Courses)

2020.01.12 – 01.13

Department of Innovation Science, Tokyo Institute of Technology, Japan

“The Mystery of Collectivity” (Graduate-level intensive course)

2016.07.27 – 08.02

Institute of Sociology, Academia Sinica, Taiwan

“Network Analysis” (Summer Programs on Quantitative Analysis)

2016.08.05 – 08.10

Department of Sociology, Sun Yat-Sen University, China

“Network Modeling” (Summer Programs on Computational Social Sciences)

2014 - 2017

Department of Sociology, The Chinese University of Hong Kong

“Introduction to Social Psychology” (UG)

“Social Networks and Social Capital” (UG)

“Taiwan Society” (UG)

2009 - 2012

Department of Sociology, University of California, Irvine, U.S.A

“Sociology of Generosity” (UG)

“Social Statistics I” (G)

“Social Statistics III” (G)

“Introduction to Social Networks” (G)

Visits and Talks

North America—UCLA, University of South Carolina, Yale University

Europe—Utrecht University

Asia—Hokkaido University, Keio University, Kyushu University, Nanyang Technological University, Singapore Management University, Tohoku University, Tokyo Institute of Technology, University of Tokyo, Zhejiang University

Professional Activities

Associate Editor: *Journal of Computational Social Science* (2019- present)

Review Editor: *Frontiers Sociology* (2015 - present)

Editorial Board: *Taiwanese Sociology* (2017-2019)

Ad Hoc Reviewers for:

Sociology—

American Journal of Sociology, American Sociological Review, Journal of Mathematical Sociology, Rationality and Society, Social Forces, Social Indicators Research, Social Psychology Quarterly, Social Networks, Taiwanese Sociology

Economics—

Journal of Economic Behavior and Organization

Mathematical Behavioral and Computational Social Science—

Computational and Mathematical Organization Theory, Journal of Advanced Statistics, Journal of Artificial Societies and Social Simulation, Network Science, Physica A, PLoS One, Theory and Decision

Political Science—

American Political Science Review

Psychology—

Adaptive Behavior, Journal of Mathematical Psychology, Evolution and Human Behavior, Frontiers Psychology, Personality and Social Psychology Bulletin

Others—

National Science Foundation (U.S.A)

Research Grants Council (Hong Kong)

Sage Publisher

Springer

Service Experiences

Undergraduate committee & Graduate committee, Department of Sociology, The Chinese University of Hong Kong

Undergraduate Committee, Department of Sociology, University of California, Irvine

Advisory Committee for Graduate Students, Department of Sociology, University of California, Irvine

Lori Jasny (Ph.D.)

Emma Spiro (Ph.D.), currently Assistant Professor at the University of Washington

Zack Almquist (MA), currently Assistant Professor at the University of Washington

Yader Lanuza (MA), currently Assistant Professor at the University of Miami