

傅遠智 Yuan Chih Fu, Ph.D.

Title

Associate Professor

Department

Graduate Institute of Technical and Vocational Education

Biography

Dr. Yuan Chih Fu holds the position of Associate Professor at the Graduate Institute of Technical and Vocational Education within the esteemed National Taipei University of Technology, commonly referred to as Taipei Tech. His academic pursuits revolve around the exploration of educational policy's profound influence on individuals, higher education institutions, and broader society. His area of expertise lies in policy evaluation and quantitative research methodologies.

Dr. Fu's extensive body of work includes publications in prestigious international journals and presentations at various international conferences. Furthermore, since the autumn of 2023, he has assumed the role of Deputy Dean for the College of Humanities and Social Sciences at National Taipei University of Technology.

Education

1. Ph.D., Department of Educational Theory and Policy, Pennsylvania State University, State College, PA, 2017 (Major in higher education, Ranked #2 by U.S. News and World Report)
2. Professional Certificate, Institutional Research Program, College of Education, Pennsylvania State University, State College, PA, 2017
3. 2008 Full Scholarship of Studying Abroad (area: higher education), Ministry of Education, Republic of China (Taiwan)
4. M.S., Department of Education, National Cheng Chi University, Taipei City, Taiwan, 2007
5. B.A., Department of Education, National Cheng Chi University, Taipei City, Taiwan, 2003

Specialties

Educational Data Analytics, Institutional Research, Science Policy, Higher Education Policy, Economics of Education, Causal Inference

Journal Reviewer

Research Policy (SSCI, Q1), Research in Higher Education (SSCI, Q1), Studies in Higher Education (SSCI, Q1), Higher Education (SSCI, Q1), Journal of Higher Education Policy and Management (SSCI, Q1), Scientometrics (SSCI, Q1), International Journal of Educational Development (SSCI, Q1), Asia Pacific Journal of

Education (SSCI, Q2), Asia Pacific Education Review (SSCI, Q2), American Education Research Association Annual Conference (2021, 2023)

Working Experience

1. **2023, Aug-** Deputy Dean, College of Humanities and Social Sciences, National Taipei University of Technology, Taipei City, Taiwan.
2. **2022, Aug-** Associate Professor, Graduate Institute of Technical and Vocational Education, National Taipei University of Technology, Taipei City, Taiwan
3. **2019, Feb-2022, Jul** Assistant Professor, Graduate Institute of Technical and Vocational Education, National Taipei University of Technology, Taipei City, Taiwan
4. **2018, Aug-2019, Jan** Assistant Professor, Graduate School of Education, National Chung Cheng University, Chiayi County, Taiwan
5. **2014-2018, Jul** Specialist, Department of Higher Education, Ministry of Education, Taipei City, Taiwan
6. **2012** Research Associate, Georgetown University-Qatar
7. **2006-2011** Section staff, Department of Higher Education, Ministry of Education, Taipei City, Taiwan
8. **2005-2006** Section staff, Bureau of Education, Taoyuan County Government, Taiwan

Academic Award

1. **2022**, the Distinguished Young Scholar Award at National Taipei University of Technology
2. **2018**, Winner of the 2018 American Publishers Awards for Professional & Scholarly Excellence: Education Theory

Working Papers

1. **Fu, Y. C.** (revise & resubmit). Does Education Facilitate Seemingly Rational Decision-making in Public Affairs? Evidence from the Taiwan 2021 Referendum. 本人為第一作者、通訊作者。
2. Zhang, W. J., Bao, W., **Fu, Y. C.** (revise & resubmit). A Study on the Influences of Parental Involvement on the Adaptation of College Freshmen.
3. Pu, S., **Fu, Y. C.**, Yan, Y. (under review). Application of Knowledge Tracing for Next Term Course Grade Prediction.
4. **Fu, Y. C.**, Quetzal, S. A., Lee, W. C., Chang, I. H., Lin, Y. C. (under review). Conscription and the Labor Market Outcomes of Recent College Graduates: Evidence from one Taiwanese University. 本人為第一作者。
5. **Fu, Y. C.**, Tu, H. S., Liu, H. C., Quetzal, S. A., Chang, I. H. (in progress). A Comparative Analysis of Educational Outcomes: An Agent-Based Modeling Approach Investigating Neighborhood Assignment Versus Choice-Based Systems. 本人為第一作者。
6. **Fu, Y. C.**, Lin, Y. C., Quetzal, S. A., Wesley Tsai, Tseng, Y. H. (in progress). Unveiling Discrepancies: Exploring the Gap Between University Research and Indigenous Industrial Techniques in Taiwan. 本人為第一作者。

7. Moradel Vasquez, J., Macasaet Treena B., Lin, Y. C., **Fu, Y. C.** (in progress). Bridging the Gap: The Evolution of University-industry links in Taiwan.

Publications & Research Grant

Journal Papers

1. **Fu, Y. C.**, Macasaet Treena B., Quetzal, S. A., Jun, S., Moradel Vasquez, J. (2023, Nov). In Pursuit of Excellence: A Historical Investigation of Scientific Production in Indonesia's Higher Education System, 1990-2020. *Higher Education* (SSCI, Q1). 本人為第一作者。
2. **Fu, Y. C.**, Chen, J. H., Cheng, J., Yuan, H. F. (2023, May). Measuring College Students' Multidisciplinary Learning: A Novel Application of Natural Language Processing. *Higher Education* (SSCI, Q1). 本人為第一作者。
3. Fernandez, F., **Fu, Y. C.**, Hu, X. D., Moradel Vasquez, J. (2023, March). Examining the Influence of Texas's Strategic Plan for Increasing University Research: Loose Coupling and Research Production at Regional Public Universities. *The Journal of Higher Education* (SSCI, Q1).
4. **Fu, Y. C.**, Moradel Vasquez, J., Macasaet Treena B, Hou, Y. C., Powell, J. (2023, Feb). Game of Brains: Examining Researcher Brain Gain and Brain Drain and Research University Policy. *Higher Education Policy* (SSCI, Q1). 本人為第一作者、通訊作者。
5. **Fu, Y. C.**, Chen, S. L., Quetzal, S. A., Lee, H. M., Lin, Y. H. (2022, Aug). Group-based trajectory model to analyze the growth of students' academic performance: a longitudinal investigation at one Taiwanese high school. *Asia Pacific Education Review* (SSCI, Q2). 本人為第一作者、通訊作者。
6. **Fu, Y. C.**, Fernandez, F., Kao J. H., Tseng, K. H. (2022, Jan). Does Geodemographic Segmentation Influence Educational Opportunity? A Spatial Investigation of Enrollment at One Taiwanese University. *Higher Education* (SSCI, Q1). 本人為第一作者、通訊作者。
7. **Fu, Y. C.**, Marques, M., Tseng, Y. H., Baker, P. D., Powell, J. (2022, Jan). An Evolving International Collaboration Network in Higher Education Research: Limited Cross-regional Co-Authorships, 1998-2018. *Scientometrics* (SSCI, Q1). 本人為第一作者。
8. **傅遠智**、林宜樺、王煒筑 (2021年9月)。青年世代的過度教育：基於PIAAC數據的跨國比較分析。《教育研究與發展期刊》，17(3)，83-117。(TSSCI第一級)。本人為第一作者、通訊作者。
9. **Fu, Y. C.**, Chin, M. C., Kao, J. H. & Quetzal, S. A. (2021, March). Does Uneven Proximity to Higher Education Oases Drive Inequality in Higher Education? The Application of Coarsened Exact Matching in Taiwan. *Higher Education Policy*. (SSCI, Q1). 本人為第一作者、通訊作者。
10. Fernandez, F., Baker, P. D., **Fu, Y. C.**, Munoz G. I., Ford, S. K. (2020, Oct). A Symbiosis of Access: Proliferating STEM PhD Training in the U.S. from 1920-2010. *Minerva* (SSCI, Q1).
11. **傅遠智**、秦夢群 (2020年9月)。臺灣高等教育實施績效責任制度的困境與突破：代理人理論的應用。《教育研究與發展期刊》，16(3)，1-30。(TSSCI第一級) 本人為第一作者、通訊作者。

12. **Fu, Y. C.**, Chan, S. J., Huang, S. M., & Lee, Y. H. (2020, Feb). Life Course Productivity to Analyze Academic Research Issues: A Longitudinal Analysis at one Taiwanese University. *Studies in Higher Education* (SSCI, Q1). 本人為第一作者、通訊作者。
13. Dusdal, J., Powell J. W., Baker, D. P., **Fu, Y. C.**, Shamekhi, Y., & Stock, M. (2020, Feb). University vs. Research Institute? The Dual Pillars of German Science Production, 1950–2010. *Minerva*, 58, 319-342 (SSCI, Q1).
14. **傅遠智**、張良 (2018年09月)。雙主修或輔系能提高人文及藝術領域大學畢業生就在業市場的優勢嗎？傾向分數倒數加權迴歸調整法的應用。*教育與心理研究*, 41(3), 29-56。(TSSCI 第一級) 本人為第一作者、通訊作者。
15. **Fu, Y. C.**, Baker, D. P., & Zhang, L. (2018, Aug). Engineering a World Class University? The Impact of Taiwan's World Class University Project on Scientific Productivity. *Higher Education Policy*, 1-16. (SSCI, Q1) 本人為第一作者、通訊作者。

Book Chapters

1. Schaub, M., Tseng, Y. H., **Fu, Y. C.** (2023, Dec). All Roads Lead to the University: the Academization of Early Childhood Education. Manfred Stock, Alexander Mitterle, David P. Baker (Eds.), *How Universities Transform Occupations and Work in the 21st Century* (pp.85-99). (ISBN: 978-1837538492). Emerald Publishing Limited.
2. **Fu, Y. C.**, Quetzal, S. A., Hu, Y. L. (2021, August). The Higher Education Trajectories of Taiwanese Women in STEM: A Longitudinal Analysis. In Hyun Kyoung Ro, Frank Fernandez, Elizabeth J. Ramon (Eds.), *Gender Equity in STEM in Higher Education: International Perspectives on Policy, Institutional Culture, and Individual Choice* (pp.45-61). (ISBN: 978-036-75-1293-4). Routledge. 本人為第一作者。
3. **Fu, Y. C.**, Quetzal, S. A., Teo, E. J. (2021, January). The Development of Institutional Research in Taiwan and its Implications on University Governance. In Angela Yung-Chi Hou, Tony Tung-liang Chiang, Sheng-Ju Chan (Eds.), *Higher Education in Taiwan: Global, Political and Social Challenges* (pp.233-248). (ISBN: 978-981-15-4553-5). Springer Singapore. 本人為第一作者、通訊作者。
4. **傅遠智**、林靜慧、許雅涵 (2019年05月)。標竿比較在美國大學校務研究的應用。*各國大學品質保證與校務研究*。臺北市：財團法人高等教育評鑑中心基金會。本人為第一作者、通訊作者。
5. **傅遠智**、許雅涵 (2018年04月)。學生生源管理理論在校務研究之應用。*臺灣校務研究理論與技術* (ISBN: 978-986-266-184-0) (38-58)。臺北市：高等教育。本人為第一作者、通訊作者。
6. **傅遠智**、李政翰和周懷樸 (2018年02月)。臺灣校務研究辦公室的結構與功能。*臺灣校務研究實務* (ISBN: 978-986-266-183-3) (20-39)。臺北市：高等教育。本人為第一作者、通訊作者。
7. Lin, C. H., **Fu, Y. C.**, & Ko, J. W. (2018, Feb). Professional Development for IR Professionals: Focus on IR and Decision Support in Asia (China, Korea, Japan, and Taiwan). *Building Capacity in Institutional Research and Decision Support in Higher Education* (ISBN: 978-3-319-71161-4). New York: Routledge Press/Taylor & Francis. 241-257.

8. **Fu, Y. C.** (2017, Nov). Science Production in Taiwanese Universities, 1980–2011. *The Century of Science: The Global Triumph of the Research University* (ISBN: 978-1-78714-470-5). Bingley, UK: Emerald Publishing. 173-203. 本人為第一作者、通訊作者。

Research Grant

1. **傅遠智** (2022)。吳大猷先生紀念獎得主具有趨同性嗎？學術菁英特徵與科學網絡結構的系統性分析。科技部專題研究計畫（計畫編號：MOST：111-2410-H-027-018）。本人為計畫主持人。
2. **傅遠智**、陳錦華 (2021)。跨領域學習程度的測算與對學習表現的影響：自然語言處理的應用。科技部專題研究計畫（計畫編號：MOST：110-2410-H-027-013）。本人為計畫主持人。
3. **傅遠智**、曾元顯 (2020)。全球高等教育研究知識社群結構的演化：內容探勘技術與社會網絡分析的應用。科技部專題研究計畫（計畫編號：MOST：109-2410-H-027-006）。本人為計畫主持人。

International Conference Papers

1. **Fu, Y. C.**, Tu, H. S., Liu, H. C. (2024, May). A Comparative Analysis of Educational Outcomes: An Agent-Based Modeling Approach Investigating Neighborhood Assignment Versus Choice-Based Systems. RC28 Spring Meeting 2024, Shanghai, China. 本人為第一作者。
2. **Fu, Y. C.** (2024, March). Does Education Improve Citizenship? Evidence from the Taiwan 2021 Referendum. the annual meeting of Comparative and International Education Society (CIES), Miami, Florida. 本人為第一作者、通訊作者。
3. Baker, D., Mitterle, A., Schaub, M., **Fu, Y. C.**, Wiseman, A. (2024, March). How Universities Transform Occupations and Work in the 21st Century: The Academization of German and American Economies. the annual meeting of Comparative and International Education Society (CIES), Miami, Florida.
4. Fernandez, F., **Fu, Y. C.**, Hu, X. D., Moradel Vasquez, J. (2023, April). Is Research Bigger in Texas? Examining the Effects of Texas' Plan for Increasing University Research. the annual meeting of the American Educational Research Association (AERA), Chicago, Illinois.
5. **Fu, Y. C.**, Jun, S., Quetzal, S. A., Macasaet Treena B., Moradel Vasquez, J. (2023, Feb). Thriving within a Scientific Bubble: A Longitudinal Investigation of Scientific Productivity in Indonesia's Higher Education System. the annual meeting of Comparative and International Education Society (CIES), Washington, D. C. 本人為第一作者。
6. Fernandez, F., **Fu, Y. C.**, Chykina, V. (2023, Feb). Research at Risk? Examining the Importance of Academic Freedom for STEM Research Production. the annual meeting of Comparative and International Education Society (CIES), Washington, D. C.
7. **Fu, Y. C.**, Chen, J. H., Cheng, J., Yuan, H, F. (2022, March). Measuring College Students' Multidisciplinary Learning: A Novel Application of Natural Language Processing. the annual meeting of the Association for Education Finance and Policy (AEFP), Denver, Colorado. 本人為第一作者。
8. **Fu, Y. C.**, Moradel Vasquez, J., Macasaet Treena B, Hou, Y. C. (2022, Apr). Game of Brains: What does the movement of scholars tell us? the annual

- meeting of the American Educational Research Association (AERA), San Diego, California. 本人為第一作者、通訊作者。
9. **Fu, Y. C.**, Marques, M., Tseng, Y. H., Powell, J., Baker, P. D. (2021, Apr). An Evolving International Collaboration Network in Higher Education Research: Limited Cross-regional Co-Authorships, 1998–2018. the annual meeting of Comparative and International Education Society (CIES), Seattle, Washington. 本人為第一作者。
 10. Moradel Vasquez, J., Cheng, S. Y., **Fu, Y. C.** (2021, Apr). A Comparative Study on Peer Effects and Academic Achievement between Taiwan and Germany: Perspectives from PISA 2018. the annual meeting of Comparative and International Education Society (CIES), Seattle, Washington.
 11. **Fu, Y. C.**, Fernandez, F., Kao J. H., Tseng, K. H. (2021, Apr). Does Geodemographic Segmentation Influence Educational Opportunity? A Spatial Investigation of Enrollment at One Taiwanese University. the annual meeting of the American Educational Research Association (AERA), Virtual. 本人為第一作者、通訊作者。
 12. **Fu, Y. C.**, Lee, H. M., Wang, L. Y., Chen, S. L. (2021, Apr). A longitudinal investigation of secondary school achievement using group-based trajectory modeling. the annual meeting of the American Educational Research Association (AERA), Virtual. 本人為第一作者、通訊作者。
 13. **Fu, Y. C.**, Quetzal, S. A. (2020, May). The impact of higher education expansion on gender equality: The case of women in STEM in Taiwan. the annual meeting of Higher Education Research Association (HERA), Seoul, South Korea. 本人為第一作者、通訊作者。
 14. **Fu, Y. C.**, Chan, S. J., Huang, S. M., & Lee, Y. H. (2020, Apr). Life course productivity in academic: A longitudinal analysis at one Taiwanese university. the annual meeting of the American Educational Research Association (AERA), San Francisco, California. 本人為第一作者、通訊作者。
 15. Chan, S. J., Yudkevich, Maria, **Fu, Y. C.**, & Lovakov, Andrey (2019, Apr). International research collaboration: The Cases of Russia and Taiwan. the annual meeting of Comparative and International Education Society (CIES), San Francisco, California. 本人為通訊作者。
 16. **Fu, Y. C.**, Chin M. C. & Kao, J. H. (2019, Mar). Does uneven proximity drive inequality in higher education? The application of coarsened exact matching in Taiwan. the annual meeting of the Association for Education Finance and Policy (AEFP), Kansas City, Missouri. 本人為第一作者、通訊作者。
 17. Lungeanu, Alina, **Fu, Y. C.**, Zhang L. & Baker, D. (2017, Jul). Global Networks of Science and Future Science Policy: The Role of U.S. Research Universities in Collaboration and Internationalization of New Scientific Knowledge. the 1st North American Social Networks (NASN) Conference of the International Network for Social Network Analysis, Washington, D.C..
 18. Fernandez, F., Baker, D., **Fu, Y. C.**, Munoz, I. & Ford, K. (2017, Apr). The Secret of American Science Capacity: Mass Higher Education and STEM PhD Production Over the 20th Century. the annual meeting of the American Educational Research Association (AERA), San Antonio, Texas.
 19. **Fu, Y. C.**, Baker, D. & Zhang, L. (2016, Nov). What's Money Got to Do with It?

The Impact of World Class University Project on Scientific Publication. the annual meeting of the Association for the Study of Higher Education (ASHE), Columbus, Ohio. 本人為第一作者、通訊作者.