

# Fan-chin Kung

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## Education

- Ph.D. in Economics, Washington University, 2002.
- M.A. and Ph.D. Candidate in Economics, University of Rochester, 1998 (on leave 96-98).
- B.A. in Economics, National Taiwan University, 1993.

## Research Interests

- Economic Theory in Network Economics, Public Economics, and Spatial Agglomeration.

## Academic Positions

- Associate Professor, (2014–Present), Dept. of Economics, East Carolina University.
- Assistant Professor (2009–2014, on leave 2010–2011), Dept. of Economics, East Carolina University.
- Assistance Professor (2005–2011, on leave Spring 2008–2010), Dept. of Economics and Finance, City University of Hong Kong.
- Assistant Research Fellow (2003–2005), Institute of Economics, Academia Sinica, Taiwan.
- Visiting Assistant Professor (2008–2009), Dept. of Economics, East Carolina University.
- Visiting Assistant Professor (Spring 2008), Dept. of Economics, Washington University.
- Adjunct Assistant Professor (Spring 2003), Dept. of Economics, Saint Louis University.
- Visiting Scholar (2002–2003), Dept. of Economics, Washington University.

## Research Papers

### Publications

- “Locational Networks,” *Oxford Research Encyclopedias – Economics and Finance*, Oxford University Press, 2022.
- “Size of Nested Cities,” *International Journal of Economic Theory* 16(1), 51-61, 2020.
- “Underinsurance Caused by Uninsurable Losses in the Public Good and Personal Assets,” (with H. Liu), *Review of Economics and Finance* 15(1), 14-22, 2019 (BAP, Canada; ceased).
- “Corporate Social Responsibility and Firm Value: Recent Developments” (with N. Rupp), in *Firm Value: Theory and Empirical Evidence*, P.S. Hoffman (Ed.), IntechOpen Publisher, 2018.
- “Sorting Out Single-Crossing Preferences on Networks,” *Social Choice and Welfare* 44(2), 663-672, 2015.
- “Fundamental Non-Convexity and Externalities: A Differentiable Approach” (with R. Ericson), *B. E. Journal of Theoretical Economics* 15(1), 49-62, 2015.
- “Public Good Coalitions and Membership Exclusion,” *Economics Bulletin* 33(2), 1390-95, 2013.
- “A Spatial Network Approach to Urban Configurations” (with P. Wang), *Canadian Journal of Economics* 45(1), 314-344, 2012.
- “Coalition Formation with Local Public Goods and Group-Size Effect” (on networks), *International Journal of Game Theory* 39(4), 573-583, 2010.

- “Can Information Asymmetry Cause Stratification?” (with M. Berliant), *Regional Science and Urban Economics*, 40(4), 196-209, 2010.
- “Private Benefits, Warm Glow and Reputation in the Free and Open Source Software Production Model” (with J. Conley), *Journal of Public Economic Theory* 12 (4), 665-689, 2010.
- “Bifurcations in Regional Migration Dynamics” (with M. Berliant), *Regional Science and Urban Economics* 39(6), 714-720, 2009.
- “Voluntary Contributions to Multiple Public Goods in a Production Economy with Widespread Externalities,” *Journal of Mathematical Economics* 44(12), 1364-1378, 2008.
- “The Indeterminacy of Equilibrium City Formation under Monopolistic Competition and Increasing Returns,” (with M. Berliant) *Journal of Economic Theory* 131(1), 101-133, 2006.
- “An Algorithm for Stable and Equitable Coalition Structures with Public Goods” (on networks), *Journal of Public Economic Theory* 8(3), 345-355 (lead article), 2006.

Working Papers (<http://personal.ecu.edu/kungf/Public.html/research.htm>)

- “Group Corruption via Sequential Bribery in a Hierarchical Organization,” (with P. Wang and Q. Wen), NBER Working Paper 29759, under review.
- “Information Aggregation and Transmission on Networks,” (with P. Wang), NBER Working Paper 30585, under review.
- “Social Status Ordering and Endogenous Provision of Public Goods in Groups,”
- “Corporate Social Responsibility and Provision of Public Good.”

Work in Progress

- “Mobility and Spatial Sorting,” (with A. Watanabe).
- “Coalition Matching in Information Networks.”
- “Leadership and Public Projects in a Contributor Network.”

## Professional Activities

Conference Presentations

- North American Summer Meetings of the Econometric Society: Nashville, TN (June 2024).
- North American Winter Meetings of the Econometric Society: Washington, D.C. (Jan 2003), New Orleans (Jan 2001).
- Econometric Society World Congress: 10<sup>th</sup> Meeting, Shanghai (Aug 2010).
- Asian Meeting of the Econometric Society: Beijing, China (hybrid, Jul 2023).
- North American Meetings of the Regional Science Association International (Urban Economic Association Sessions): Vancouver (Nov 2017), New York (Nov 2008), Savannah (Nov 2007), San Juan, Puerto Rico (Nov 2002), Charleston (Nov 2001).
- Regional Economics Workshop, Federal Reserve Bank of Richmond (Oct 2014).
- Society for the Advancement of Economic Theory (SAET) Conference on Current Trends in Economics: Kos, Greece (Jun 2007).
- International Meetings of the Association for Public Economic Theory: Vanderbilt U (Jul 2007), Hanoi, Vietnam (Aug 2006), Peking U (Aug 2004).
- Midwest Economic Theory and International Economics Meetings: UIUC (May 2008), U of Kansas (Oct 2005), Vanderbilt U (Apr 2005), Washington U (Nov 2004), U of Minnesota (Oct 2000).
- European Workshop on General Equilibrium Theory: Venice International U (Jun 2004), Bielefeld U (May 2003).
- Asian Workshop on General Equilibrium Theory: National U of Singapore (Aug 2007), Academia Sinica (Jul 2006), U of Tokyo (Jun 2005).
- Coalition Theory Network Workshops: U of Paris I (Jan 2005).
- Far Eastern Meetings of the Econometric Society: Academia Sinica (Jul 2007).

- Chinese Economic Association in North America Sessions - Allied Social Science Association Annual Meetings): Chicago (Jan 2012).
- Meetings of the Public Choice Society and Economic Science Association: Charleston (Mar 2000).
- Taipei Conference on Public Finance and Welfare, Academia Sinica (Dec 2000).

#### Seminars

- Vanderbilt U (2008S), East Carolina U (2008S), Korea U (2007S), National U of Singapore (2007S), U of Hong Kong (2007S, 2006S), Washington U (2005S), City U of Hong Kong (2005S), U of Kansas (2004F), SUNY at Buffalo (2003S); Tam-Kang U (2005S), Cheng-Chi U (2004F), Central U (2004S), Taipei U (2003F), National Taiwan U (2003S, 2001S).

#### Positions & Honors

- Program Technical Committee, International Conference on Business and Economics Research 2017.
- Vice President (Jan 2011 – Jan 2013), Chinese Economic Association in North America.
- Listee in Marquis Who's Who in America 2011 & Who's Who in the World 2012.

#### Editorial Duties

- *Eastern European Business and Economics Journal*, Editorial Board (2015 – 2017).

#### Refereeing

- Academia Economic Papers, Canadian Journal of Economics, Cities, Discrete Dynamics in Nature and Society, Econometrica, Economica, Economics, Economics Bulletin, Economics Letters, Economic Theory, Games and Economic Behavior, International Economics Review, International Journal of Economic Theory, Journal of Economic Dynamics and Control, Journal of Economics & Management Strategy, Journal of Mathematical Economics, Journal of Public Economics, Journal of Public Economic Theory, Journal of Urban Economics, Journal of Regional Science, Journal of Urban Economics, Oxford Economic Papers, Pacific Economic Review, Papers in Regional Science, Public Choice, Regional Science and Urban Economics, Research on Economic Inequality (v 22), Social Choice and Welfare, Taiwan Economic Review.
- Books: Cambridge University Press, Bentham Science Publishers.
- Research Grants: National Science Council of Taiwan.

#### Memberships

- Econometric Society, Society for the Advancement of Economic Theory, Association for Public Economic Theory, Regional Science Association International, Chinese Economic Association in North America.

#### Research Grants

- Research Granting Council of Hong Kong: GRF-9041425 (2008-2010), CERG-9041177 (2006-2008).
- City U of Hong Kong Research Grants: SRG-7001914 (2006-2008), NSSG-7200062 (2006-2008).
- National Science Council of Taiwan Research Grants: 94-2415-H-001-030 (2005-2006), 93-2415-H-001-034 (2004-2005), 93-2415-H-001-008 (2003-2004).

#### Teaching Interests

- Microeconomics, Public Economics, Urban Economics, Mechanism and Games, Political Economy, Mathematical Economics.

## **Supervising**

- MBA Project (FB6700) supervisor, City U of Hong Kong (2006-2007, 2007-2008).
- M Phil Panel Member, City U of Hong Kong (2006-2008).
- Undergraduate Project (EF4300) supervisor, City U of Hong Kong (Fall 2006).
- MA Defense Committee, National Cheng-Chi U (2004-2005).

## **Service**

- Annual report “ENC Economic Profile” for the ECU Rural Prosperity Initiative.
- Committee membership at ECU: Code Revision (2022-), Faculty Senator (2018-2019, alternate 2017-2018), Personnel (2014-2016), College Curriculum (2012-2014, alternate 2009-2010), Liaison to University Curriculum (2012-2014, alternate 2009-2010), Tenure-Track Search (2011-2012), Research & Technology (2009-2010, 2015-2022).
- EMBA instructor (FB5802I), City U of Hong Kong: ICBC&INVESCO Senior Executive Training Program, Guangzhou (Winter 2007).
- Department representative, City U of Hong Kong: China International Education Exhibition Tour, Chongqing (Mar 2007).
- Committee membership in Academia Sinica: Recruiting (2004-2005), Computing & Technology (2004-2005), Welfare (2004-2005).