

## **Liang-Chih Chen**

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### **Professor and Chair**

Graduate Institute of Building and Planning, National Taiwan University, Taiwan

### **Interest Fields**

Regional Economic Development, Industrial Upgrading of Late-developed Countries, Rural Studies, Economic Geography

### **Education**

- 2007      *Doctor of Philosophy*, City and Regional Planning, University of California, Berkeley, U.S.A.  
Dissertation Title: Industrial Upgrading of Newly Industrializing Countries: The Case of Machine Tool Industry in Taiwan  
Committee: AnnaLee Saxenian (Chair), Karen Christensen, You-Tien Hsing, Karen Chapple
- 1993      *Master of Architecture*, Graduate Institute of Architecture, Tamkang University, Taiwan
- 1991      *Bachelor of Science*, Department of Urban Planning, National Cheng Kung University, Taiwan

### **Academic Employment**

- 2021-present      *Professor*, Graduate Institute of Building and Planning, National Taiwan University, Taiwan
- 2020-2023      *Chair*, Graduate Institute of Building and Planning, National Taiwan University, Taiwan
- 2015-2021      *Associate Professor*, Graduate Institute of Building and Planning, National Taiwan University, Taiwan
- 2009-2015      *Assistant Professor*, Graduate Institute of Building and Planning, National Taiwan University, Taiwan
- 2008-2009      *Assistant Professor*, Graduate Institute of Urban Planning, National Taipei University, Taiwan
- 2008      *Postdoctoral Research Fellow*, Social Science Research Center, National Science Council, Taiwan

### **Non-academic Employment**

- 1999-2002      *Analyst*, Research Development and Evaluation Division, Town and Country Planning Bureau, Construction and Planning Administration, Ministry of Interior, Taiwan

- 1995-1999 *Planner*, Northern Region Planning Division, Town and Country Planning Bureau, Housing and Urban Development Department, Taiwan Provincial Government, Taiwan
- 1993-1995 *Second Lieutenant, Executive Officer* (Obligation Military Service), National Defense University, Chung Cheng Institute of Technology, Taiwan

## **Publications**

### *Refereed Journal Articles*

- Chen, Liang-Chih**, 2021, "The pursuit of qualities by peripheral latecomers in the agrofood sectors: The case of Erlin wine industry in Taiwan," *Sociologia Ruralis*, 61(2): 442-464.
- Chen, Liang-Chih** and Aaron Kingsbury, 2019, "Development of wine industries in the New-New World: Case studies of wine regions in Taiwan and Japan," *Journal of Rural Studies*, 72, 104-115.
- Chen, Liang-Chih**, 2018, "Developing technologies or learning institutions? Exploring the role of hackathons for developing innovation capability in emerging economies: The case of Taiwan," *Asian Journal of Technology Innovation*, 26 (2), 202-221.
- Chen, Liang-Chih** and Shenglin Elijah Chang, 2017, "Recovering rural economies: Two cases in Taiwan", *Asian Journal of Quality of Life*, 2(7):21-28.
- Chen, Liang-Chih** and Meng-Ling Tien, 2017, "External Shocks, and the Construction and Functioning Mechanisms of Regional Economic Resilience", *City and Planning*, 44(1):1-25. (in Chinese)
- Chen, Liang-Chih** and Shiuh-Shen Chien, 2017, "Industrial upgrading and interaction between the advanced small south and China: the case of Taiwan's machine tool industry", *Area Development and Policy*, 2(1): 91-107.
- Chen, Liang-Chih** and Han-Chang Liao, 2016, "The making and development of newly-emerged local industries: The case of farmers association wineries", *Taiwanese Journal of Rural Studies*, 12: 41-63 . (in Chinese)
- Chen, Liang-Chih**, 2015, "Building extra-regional networks for regional innovation systems: Taiwan's machine tool industry in China", *Technological Forecasting & Social Change*, 100:107-117.
- Chen, Liang-Chih**, 2014, "Entrepreneurship, technological changes, and the formation of a subcontracting production system: The case of Taiwan's machine tool industry", *International Journal of Economics and Business Research*, 7(2):198-219.
- Chen, Liang-Chih** and Zi-Xin Lin, 2014, "Examining the role of geographical proximity in a cluster's transformation process: The case of Taiwan's machine tool industry", *European Planning Studies*, 22(1):1-19.
- Chen, Liang-Chih**, 2012, "The evolving roles of the state and public research institutes in the technological upgrading process of industries: The case of Taiwan's machine tool industry", *Journal of Social Sciences and Philosophy*, 24(1): 19-50. (in Chinese)
- Chen, Liang-Chih**, 2011, "The governance and evolution of local production networks in a cluster: The case of Taiwan's machine tool industry", *GeoJournal*, 76(6), 605-622.
- Chen, Liang-Chih**, 2009, "Learning through informal local and global linkages: The case of Taiwan's machine tool industry", *Research Policy*, 38(3): 527-535.

### Book Chapters

- Chen, Liang-Chih** and Ho-don Yan, 2021, “Family Business and Portfolio Entrepreneurship: The Case of Taiwan’s King Car Group”, in H.-D. Yan and F.-L. Yu (Eds) *The Routledge Companion to Asian Family Business Governance, Succession, and Challenges in the Age of Digital Disruption*, Routledge.
- Chen, Liang-Chih** and Shiuh-Shen Chien, 2017, “Industrial Districts/ Industrial Complex”, in D. Richardson (Eds) *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Wiley.
- Chien, Shiuh-Shen, **Liang-Chih Chen** and Dong-Li Hong, 2017, “Newly Industrializing Economies (NIEs)”, in D. Richardson (Eds) *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*.
- Chen, Liang-Chih**, 2016, “Building industrial systems in China: The networking of Taiwanese machine tool firms in China”, in J.-H. Wang and R.-M. Hsung (Eds) *Rethinking Social Capital and Entrepreneurship in Greater China*, Routledge.
- Chen, Liang-Chih** and Ling-I Chu, “Technology transformation: The technological learning of latecomers”, in S.-S. Chien and J.-H. Wang. (Eds) *Development Studies and Contemporary Taiwanese Society*, Chuliu Publishing. (in Chinese)
- Huang, Yin-Wei and **Liang-Chih Chen**, 2015, “From making pesticide to making whisky: The development of Kavalan Whisky by King Car Company”, in H.D. Yan (Eds) *Entrepreneurship and Economic Transformation*, Feng Chia University Press. (in Chinese)
- Chen, Liang-Chih** and Ling-I Chu, 2015, “Upgrading of latecomer industries in Taiwan and the case of the Taipei International Machine Tool Show”, in H. Bathelt and G. Zeng (Eds) *Temporary Knowledge Ecologies: The Rise and Evolution of Trade Fairs in Asia-Pacific*, Edward Elgar.
- Chen, Liang-Chih**, 2015, “The development of Taiwan’s machine tool cluster and key entrepreneurs”, in F.-L. Tony Yu and H.-D. Yan (Eds) *Handbook of East Asian Entrepreneurship*. New York: Routledge.
- Chen, Liang-Chih**, 2011, “Technological learning and capability building in LMT industries in newly industrializing countries: selected examples from Taiwan”, in P.L. Robertson and D. Jacobson (Eds.) *Knowledge Transfer and Technology Diffusion*, Edward Elgar.

### Conference Papers

- Chen, Liang-Chih** and Ho-Don Yan, 2023, “Policy Entrepreneurship in Response to the Covid-19 – The Formation of National Face Mask Team in Taiwan”, *B&ESI 2023 conference*, Florence, Italy, July 6-9, 2023.
- Chen, Liang-Chih** and Ho-Don Yan, 2022, “Change and Crisis Management of Microenterprises: The Case of Taiwan’s Burgeoning Rural Wineries”, *The 26th Nordic Academy of Management Conference*, Örebro, Sweden, August 24-16, 2022.
- Chen, Liang-Chih** and Ming-Cheng Chang, 2019, “Adopting multiple methods in economic geography research: The example of a trade show study”, *The AAG Annual Meeting*, Washington, U.S.A, April 3- 7.
- Chen, Liang-Chih** and Tzu-Yu Chen, 2018, “Understanding the evolving roles of physical and virtual spaces in the interaction and cooperation processes”, *The 5<sup>th</sup> Global Conference on Economic Geography*, Cologne, Germany, July 24-28.
- Chen, Liang-Chih** and Heng-Wen Chen, 2017, “Building innovation space: Hackathons in Taiwan”, *The AAG Annual Meeting*, Boston, U.S.A, April 5-9.
- Kingsbury, Aaron and **Liang-Chih Chen**, 2016, “Challenges and Opportunities: Comparing the

Emerging Wine Industries of Changhua County, Taiwan and the Kofu Basin, Japan”, *The AAS Annual Conference*, Seattle San Francisco, U.S.A, March 31-April 3.

- Chen, Liang-Chih** and Heng-Wen Chen, 2016, “Learning technologies and building institutions: The development of M-team in Taiwan’s machine tool cluster”, *The AAG Annual Meeting*, San Francisco, U.S.A, March 29-April 2
- Meng-Ling Tien and **Liang-Chih Chen**, 2015, “After the crisis: The study of regional economic resilience of Taiwan’s machine tool industry”, *The 2015 Urban Planning Joint Annual meeting*, Tainan, Taiwan, December 5. (in Chinese)
- Chen, Heng-Wen and **Liang-Chih Chen**, 2015, “ The making and development of newly-emerged local industries: The case of farmers association wineries”, *The 7th Annual meeting of Development Studies, Taipei, Taiwan, October 31-November 1. (in Chinese)*
- Chen, Liang-Chih** and Shiuh-Shen Chien, 2015, “Sourcing knowledge and upgrading stimulus from the South: The case of Taiwan’s machine tool industry in China” , *The AAG Annual Meeting*, Chicago, U.S.A, April 21-25.
- Chen, Liang-Chih** and Shenglin Elijah Chang, 2014, “Building and recovering rural economic landscapes: The case of liquor and tea industries in Taiwan”, *ABRA International Conference on Quality of Life*, Istanbul, Turkey, December 26-28, 2014.
- Chen, Liang-Chih** and Han-Chang Liao, 2014, “ The making and development of newly-emerged local industries: The case of farmers association wineries”, *The 6th Annual meeting of Development Studies*, Hualien, Taiwan, October 18-19. (in Chinese)
- Huang, Yin-Wei and **Liang-Chih Chen**, 2014, “From making pesticide to making whisky: The development of Kavalan Whisky by King Car Company”, *The 10th Annual Meeting of Chinese Hayek Society*, Taichung, Taiwan, August 28-20. (in Chinese)
- Chen, Liang-Chih**, 2014, “Building and exploiting networks in China: The case of Taiwanese machine tool industry’s China investments” , *The AAG Annual Meeting*, Tampa, U.S.A, April 7-14.
- Chen, Liang-Chih**, 2013, “Jumping over latecomers’ upgrading barriers: The exploration of China’s upgrading opportunities by Taiwan’s machine tool industry, *Suzhou-Silicon Valley-Beijing 2013 International Innovation Conference*, Suzhou, China, July 8-9, 2013.
- Chen, Liang-Chih**, Ching-Wan Huang, Yin-Wei Huang, Han-Chang, Liao, Cheng-Yu Young, 2013, “New wine in new bottles: The technological learning of Taiwan's newly-emerged private liquor-makers” , *The AAG Annual Meeting*, Los Angeles, U.S.A, April 9-13.
- Chen, Liang-Chih**, 2013, “Building industrial systems in China: The networking of Taiwanese machine tool firms in China”, *Conference on Globalization, Social Capital and Entrepreneurship in Greater China*, Taipei, Taiwan, March 8-9, 2013
- Chen, Liang-Chih** and Zi-Xin Lin, 2011, “The role of spatial proximity in the evolution of local and trans-local communities in the clusters”, *The AAG Annual Meeting*, Seattle, U.S.A, April 12-16.
- Chen, Liang-Chih**, 2010, “How to understand the roles of the state and public research institute in the technological upgrading of industries in newly industrializing countries? The case of Taiwan’s machine tool industry”, *DURID Summer Conference 2010 on Opening Up Innovation*, London, United Kingdom, June 16-18.
- Chen, Liang-Chih**, 2008, “Building technology capability through exploiting informal local and global learning linkages: The case of machine tool industry in Taiwan”, *the 25th DRUID Conference 2008 on Entrepreneurship and Innovation*, Copenhagen, Denmark, June 17-20

## Academic Functions and Honors

2020

Publication Research Award, National Taiwan University, Taiwan

- 2019 Publication Research Award, National Taiwan University, Taiwan
- 2018 Publication Research Award, National Taiwan University, Taiwan
- 2018 Award of Excellence in Teaching, National Taiwan University, Taiwan
- 2016 Publication Research Award, National Taiwan University, Taiwan
- 2016 Award of Excellence in Teaching, National Taiwan University, Taiwan
- 2014-2015 Secretary of Taiwanese Association of Development Studies, Taiwan
- 2013 Member of Organizing Committee of the Annual Conference of Asian Planning Schools Association, National Taiwan University
- 2012 Publication Research Award, National Taiwan University, Taiwan
- 2009-present Member of Organizing Committee of the Annual Conference of Development Studies in Taiwan, Taiwanese Association for Development Studies
- 2008-present *Ad hoc* reviewer for
- English Journals: *Research Policy, Technological Forecasting and Social Change, World Development, International Development Planning Review, Journal of Business Research, Geografiska Annaler B: Human Geography, Regional Studies, Geoforum, Asian Journal of Technology Innovation*
- Chinese Journals: *City and Planning, Geography Journal, Journal of Taiwan Land Research, Journal of National Development Studies, Journal of Building and Planning, Journal of Architecture and Planning, Cities and Design: An Academic Journal for Intercity Networking*
- International Conference: DRUID Society Conference, Denmark
- Research Grant: Ministry of Science and Technology research projects, Taiwan

## Research Grants

- 2021-2024 Understanding the processes and dynamics within the catch-up and forge-ahead of latecomers: windows of opportunities, technological learning, institutional changes, (110-2410-H-002 -144 -MY3 ) (PI) (NTD\$ 2,870,000)
- 2018-2021 Understanding the evolution of industrial clusters: multiple trajectories, time and institutions, (107-2410-H-002 -134 -MY3 ) (PI) (NTD\$ 3,166,000)
- 2016-2018 Innovation landscapes in the digital era: The nexus of physical and virtual spaces, (MOST 105-2410-H-002-149-MY2) (PI) (NTD\$ 2,194,000)
- 2014-2016 How do domestically-held international trade fairs influence the upgrading of latecomer clusters, sponsored by Ministry of Science and Technology, Taiwan, (MOST 103-2410-H-002-158-MY2) (PI) (NTD\$ 1,734,000)
- 2013-2014 A study on regional economic resilience, sponsored by National Science Council, Taiwan, (NSC 102-2410-H-002-167) (PI) (NTD\$ 631,000)
- 2012-2013 The technological learning and innovation of low and medium technology industries: The case of Taiwan's liquor-making industries, sponsored by National Science Council, Taiwan, (NSC 101-2410-H-002-189) (PI) (NTD\$ 466,000)
- 2011-2013 Jumping over upgrading barriers: The real and virtual consolidation of Taiwanese machine tool firms and the China opportunity, sponsored by National Science Council, Taiwan, (NSC 101-2420-H-002-007-MY2) (PI) (NTD\$1,292,000)
- 2011-2012 The mechanisms underlying the construction of technological capability of an emerging

localized industry, and its influences on local development: The case of Taiwan's liquor industry, sponsored by National Science Council, Taiwan, (NSC 100-2410-H-002-194) (PI) (NTD\$ 485,000)

2009-2011 The evolution and upgrading of industrial clusters: local re-embeddedness, inter-cluster linkages and cross-border transplantation, sponsored by National Science Council, Taiwan, (NSC 98-2410-H-002-217-MY2) (PI) (NTD\$ 2,202,000)