

LAI XIANG SUN, Professor
Curriculum Vitae (June 2016)

Present Positions

1. Professor of Geographic Economics, Department of Geographical Sciences, University of Maryland; 2181G LeFrak Hall, College Park, MD 20742, USA; Tel. +1-301-4058131, Email: LSun123@umd.edu.
2. Research Professor, Department of Financial and Management Studies (DeFiMS), SOAS, University of London; Thornhaugh Street, Russell Square, London WC1H 0XG, UK; Email: LS28@soas.ac.uk.
3. Senior (Visiting) Economist (since 2001), International Institute for Applied System Analysis (IIASA), Laxenburg, Austria.
4. Visiting Research Professor (since 2005), Institute of Geographic Sciences and Natural Resources Research (IGSNRR) and China Center for Agricultural Policy (CCAP), China Academy of Sciences, Beijing, China.
5. Executive Chairman of the Academic Committee, Shanghai Climate Change Research Centre, Shanghai Meteorological Bureau, Shanghai, China.
6. Senior (Visiting) Research Fellow (since 1999), Guanghua School of Management, Peking University, Beijing, China.

Honours

- Fellow (Academician) of the Academy of Social Sciences (AcSS), the UK, since February 2010.
- Awarded the title of “Outstanding Overseas Chinese Scholar” by China Academy of Sciences in June 2005.
- Cover Figure in the March 2011 issue of *China Scholars Abroad* magazine.
- Expert Advisor, China Federation of Returned Overseas Chinese, since May 2011.
- Sun Yefang Prize of Economics in 1988, awarded by Association of Chinese Economists (the highest annual award for economists in China), shared with other Core Team Members of the Project on “Reform Program of China's Economic System in 1988-95,” State Reform Commission, Beijing, China.

Professional Services

- Co-Editor, *Journal of Chinese Economic and Business Studies*, July 2008-Dec 2013.
- Editorial Board Member:
 - China Quarterly* (2011 Citation Impact Factor: 1.026; top journal in Area Studies), Feb. 2004 to March 2014, member of the Executive Committee during Jan. 2005-Dec. 2013.
 - Management Decision* (2014 IF: 1.429), since July 2012.
 - Energy, Ecology and Environment*, since Jan. 2016.
 - Journal of Chinese Economic and Business Studies*, since July 2008.
 - Journal of Comparative Economics*, Jan. 2003 to Dec. 2005.
 - Journal of Resources and Ecology*, since Jan. 2010.

- President (for 2012-13) and Member of the Board of Directors (2010-14), Chinese Economist Association (UK/Europe).
- Research Associate, China Growth Centre at St Edmund Hall, University of Oxford.
- Ad hoc referee: National Science Foundation USA, Economic & Social Research Council (ESRC) of the UK, Natural Environment Research Council (NERC) of the UK, British Academy, Netherlands Foundation for the Advancement of Tropical Research (WOTRO-NWO); Research Grants Council (RGC) of Hong Kong; University Grants Committee of Hong Kong; Elsevier, Oxford University Press, Cambridge University Press, Palgrave Macmillan, Pearson Education, Springer; *Nature Climate Change*; *Global Environmental Change*; *Regional Study*; *Papers in Regional Science*; *Journal of Comparative Economics*; *Cambridge Journal of Economics*, *Journal of Economic Behavior and Organization*; *Economica*; *Ecological Economics*; *Economic Systems Research*; *Journal of Economics*; *Environment and Planning A*; *Environmental Science and Technology*; *Journal of Environmental Planning and Management*; *Renewable & Sustainable Energy Reviews*; *Science of Total Environment*; *Energy*; *Energy Policy*; *Applied Energy*; *Biomass and Bioenergy*; *Environmental Management*; *Climate Policy*; *Journal of International Business Studies*; *Journal of Business Research*; *World Development*; *Social Forces*; *Applied Economics*; *Journal of Industrial Ecology*; *Food Policy*; *Land Use Policy*; *Food Security*; *Ecological Modelling*; *Journal of Applied Meteorology and Climatology*, *Journal of Rural Studies*; *Journal of Resources and Ecology*; *Habitat International*; *China Economic Review*; *China Quarterly*; *China Journal*; *Population and Environment*; *Economic Systems*; *European Journal of Development Research*; *Journal of Chinese Economic and Business Studies*; *Development and Change*; *International Journal of Sustainable Transportation*; *Journal of Peking University*; *Journal of Comparative Law*; *Leadership*; *Geophysical Research Letters*; *Problems and Perspectives in Management*; *Human and Ecological Risk Assessment: An International Journal*; *Water*.
- News commentaries: *The Economist*, BBC News 24 (TV), BBC World News and BBC World Service (TV and radio), CNN (TV), Al Jazeera (English TV Channel), ITV News, Phoenix TV (Chinese), France24, CNBC Europe and CNBC World, Radio France Internationale.

Education

- Sep. 1978 - July 1982: BSc. study at Department of Mathematics, Peking University, Beijing, China, with Distinction.
- Sep. 1982 - July 1985: MSc. study at Department of Mathematics, Peking University, Beijing, China.
- Apr. 1992 - Apr. 1997: Ph.D. study in Economics at Institute of Social Studies (ISS), The Hague, The Netherlands, and a holder of Fellowship of Dutch Government.

Job History

- Chair Professor of Chinese Business and Management (Aug 2003-Dec 2013) and Head of Department (2004-2005; 2008-2012), Department of Financial and Management Studies (DeFiMS), SOAS, University of London, UK.
- Lecturer of Chinese Business and Management, Department of Financial and Management Studies (DeFiMS), SOAS, University of London, UK, Aug 2001-July 2003.
- Project Director, United Nations University, World Institute for Development Economics

Research (UNU/WIDER), Helsinki, Finland, Jan. 2000-Dec. 2002.

- Economist, International Institute for Applied System Analysis (IIASA), Laxenburg, Austria, Apr. 1997-July 2001.
- Senior Research Fellow at Research Center for Social Development of Contemporary China, Peking University, Beijing, China, Feb. 1989-Oct. 1991.
- Associate Chairman of Department of Economic Management, Peking University, Beijing, China, May 1986-Oct. 1991.
- Lecturer at Department of Economic Management (Guanghua School of Management, since 1995), Peking University, Beijing, China, Aug. 1985-Oct. 1991.

Main Publications and Project Reports

¹Primary contributor, ²Principal contributor and corresponding author, ³Principal contributor, ⁴Contributor only

Articles published in International Refereed Journals

1. Liang, Zhuoran, Zhan Tian, Laixiang Sun,² Kuishuang Feng, Honglin Zhong, Tingting Gu, Xiaochen Liu. 2016. "Heat wave, electricity rationing, and trade-offs between environmental gains and economic losses: The example of Shanghai." *Applied Energy* (2015 IF: 5.746; 5-yr IF: 6.222), in press. <http://dx.doi.org/10.1016/j.apenergy.2016.06.045>.
2. Yan, Jianzhong, Ziyang Yang, Zanhong Li, Xiubin Li, Liangjie Xin, Laixiang Sun². 2016. "Drivers of cropland abandonment in mountainous areas: A household decision model on farming scale and a case study of Southwest China." *Land Use Policy* (2015 IF: 2.768; 5-yr IF: 3.253), vol. 57, pp. 459–469. <http://dx.doi.org/10.1016/j.landusepol.2016.06.014>.
3. Feng, Kuishuang, Steven J. Davis, Laixiang Sun,³ Klaus Hubacek. 2016. "Reply to 'Reassessing the contribution of natural gas to US CO₂ emission reductions since 2007.'" *Nature Communications* (2015 Impact Factor: 11.329), vol. 7, article 10693, doi: 10.1038/ncomms10693.
4. Yu, Yang, Kuishuang Feng, Klaus Hubacek, Laixiang Sun.³ 2016. "Global Implications of China's Future Food Consumption." *Journal of Industrial Ecology* (2015 IF: 3.265), published online on 13 Jan 2016, DOI: 10.1111/jiec.12392.
5. Tan, Minghong, Xiubin Li, Jianzhong Yan, Liangjie Xin, Laixiang Sun.³ 2016. "Length of Stay in Urban Areas of Circular Migrants from the Mountainous Areas in China." *Journal of Mountain Science* (2015 IF: 1.017), vol. 13, no. 5, pp. 947-956.
6. Kim, Icksoo, Eunsuk Hong, Jong Kook Shin, Laixiang Sun.³ 2016. "Some Bad News is Good News for Foreign Investors: The Case of Intellectual Property Rights Infringement in China." *Thunderbird International Business Review*, published online on 11 Jan 2016. DOI: 10.1002/tie.21782.
7. Feng, Kuishuang, Steven J. Davis, Laixiang Sun,³ Klaus Hubacek. 2015. "Drivers of the US CO₂ emissions 1997-2013." *Nature Communications* (2015 Impact Factor: 11.329), vol. 6, article 7714, pages 1-8.
8. Duarte, Rosa, Kuishuang Feng, Klaus Hubacek, Julio Sánchez-Chóliz, Cristina Sarasa, Laixiang Sun.³ 2015. "Modeling the Carbon Consequences of Pro-environmental Consumer Behavior." *Applied Energy* (2015 IF: 5.746; 5-yr IF: 6.222), published online on 20 Oct 2015. DOI:10.1016/j.apenergy.2015.09.101.

9. Prell, Christina, Laixiang Sun,³ Kuishuang Feng, Tyler W Myroniuk. 2015. "Inequalities in Global Trade: A Cross-country Comparison of Trade Network Position, Economic Wealth, Pollution and Mortality." *PLOS ONE* (2014 IF: 3.234), vol. 10, no. 12: E0144453. DOI: 10.1371/journal.pone.0144453.
10. Prell, Christina, Laixiang Sun.³ 2015. "Unequal Carbon Exchanges: Understanding Pollution Embodied in Global Trade." *Environmental Sociology*, vol. 1, no. 4, pp. 256-267. DOI: 10.1080/23251042.2015.1114208.
11. Wang, X., X. Li, G. Fischer, L. Sun,³ M. Tan, L. Xin, Z. Liang. 2015. "Impact of the changing area sown to winter wheat on crop water footprint in the North China Plain." *Ecological Indicators* (Elsevier. 2015 IF: 3.190; 5-yr IF: 3.649), vol. 57, pp. 100-109. <http://dx.doi.org/10.1016/j.ecolind.2015.04.023>.
12. Hong, Eunsuk, In Hyeock Lee, Laixiang Sun,³ and Richard Harrison. 2015. "Entrepreneurship across Time and Space: Empirical evidence from Korea." *Small Business Economics: An Entrepreneurship Journal* (2014 IF: 1.795), vol. 44, no. 3 (March), pp. 705–719. DOI 10.1007/s11187-014-9613-1.
13. White, David J., Kuishuang Feng, Laixiang Sun,³ and Klaus Hubacek. 2015. "A Hydro-economic MRIO Analysis of the Haihe River Basin's Total Water Footprint and Water Stress." *Ecological Modelling* (2015 IF: 2.275; 5-yr IF: 2.594), vol. 318 (24 Dec.), pp. 157-167, <http://dx.doi.org/10.1016/j.ecolmodel.2015.01.017>.
14. Tian, Z., Z. Liang, L. Sun,² H. Zhong, H. Qiu, G. Fischer, S. Zhao. 2015. "Agriculture under Climate Change in China: Mitigate the Risks by Grasping the Emerging Opportunities". *Human and Ecological Risk Assessment: An International Journal* (2015 IF: 1.306), vol. 21, no. 5, pp. 1259-1276. DOI: 10.1080/10807039.2014.955392.
15. Hua, Xiuping, Laixiang Sun³ and Tianyi Wang. 2015. "Impact of Exchange Rate Regime Reform on Asset Returns in China." *European Journal of Finance* (Taylor & Francis; 2014 IF: 0.750), vol. 21, no. 2, pp. 147-171, <http://dx.doi.org/10.1080/1351847X.2013.838183>.
16. Tian, Zhan, Yilong Niu, Laixiang Sun,³ Chang-sheng Li, Chunjiang Liu, Dong-li Fan. 2015. "China's Rice Field Greenhouse Gas Emission under Climate Change based on DNDC Model Simulation." *Chinese Journal of Applied Ecology*, vol 26, no. 3, pp. 793-799.
17. Feng, Kuishuang, Klaus Hubacek, Laixiang Sun,³ Zhu Liu. 2014. "Consumption-based CO2 accounting of China's megacities: the case of Beijing, Tianjin, Shanghai and Chongqing." *Ecological Indicators* (Elsevier. 2015 IF: 3.190; 5-yr IF: 3.649), vol. 47 (Dec), pp. 26-31, <http://dx.doi.org/10.1016/j.ecolind.2014.04.045>.
18. Prell, Christina, Kuishuang Feng, Laixiang Sun,³ Martha Geores, Klaus Hubacek. 2014. "The Economic Gains and Environmental Losses of US Consumption: A World-Systems and Input-Output Approach." *Social Forces* (one of top 3 journals in Sociology, 2015 IF: 1.736, 5-Yr IF: 2.588), vol. 93, no. 1 (Sep), pp. 405-428, DOI: 10.1093/sf/sou048.
19. Feng, Kuishuang, Klaus Hubacek, Stephan Pfister, Yang Yu, Laixiang Sun.³ 2014. "Virtual Scarce Water in China." *Environmental Science and Technology* (2015 IF: 5.393), vol. 48, no. 14 (July 15), pp 7704–7713, <http://dx.doi.org/10.1021/es500502q>.
20. Tian, Zhan, Honglin Zhong, Laixiang Sun,³ Günther Fischer, Harrij van Velthuisen, Zhuoran Liang. 2014. "Improving Performance of Agro-ecological Zone (AEZ) Modeling by cross-scale Model Coupling: An Application to Japonica Rice Production in Northeast China." *Ecological Modelling* (2015 IF: 2.275; 5-yr IF: 2.594), vol. 290 (24 Oct), pp. 155-164, <http://dx.doi.org/10.1016/j.ecolmodel.2013.11.020>.
21. Qiu, Huanguang, Laixiang Sun,² Xinliang Xu, Yaqing Cai. 2014. "Potentials of Crop Residues for Commercial Energy Production in China: A Geographic and Economic

- Analysis.” *Biomass and Bioenergy* (Elsevier. 2015 IF: 3.249; 5-yr IF: 4.146), vol. 64 (May), pp. 110-123. DOI: 10.1016/j.biombioe.2014.03.055.
22. Lee, In Hyeock, Eunsuk Hong and Laixiang Sun.³ 2014. “Inward Foreign Direct Investment and Domestic Entrepreneurship: A Regional Analysis of New Firm Creation in Korea,” *Regional Studies* (Taylor & Francis. 2015 IF: 1.987), vol. 48, no 5 (May), pp. 910-922. <http://dx.doi.org/10.1080/00343404.2012.690067>.
 23. Tian, Zhan, Xuchao Yang, Laixiang Sun,³ Günther Fischer, Zhuoran Liang, Jie Pan. 2014. “Agroclimatic Conditions in China under Climate Change Scenarios Projected from Regional Climate Models.” *International Journal of Climatology* (2015 IF: 3.609), vol. 34, no. 9 (July), pp. 2988–3000, DOI: 10.1002/joc.3892.
 24. Zhu, Quantao, Xinwang Wu and Laixiang Sun.³ 2014. “A Generalized Framework for Endogenous Timing in Duopoly Games and an Application to Price-Quantity Competition.” *Journal of Economics* (Springer. 2015 IF: 0.914), vol. 112, no. 2 (June), pp. 137-164, <http://dx.doi.org/10.1007/s00712-013-0347-3>.
 25. Feng, K., S.J. Davis, L. Sun,³ X. Li, D. Guan, W. Liu, L. Zhu, K. Hubacek. 2013. “Outsourcing CO₂ within China.” *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, (2015 Impact Factor: 9.423), vol. 110, no. 28 (9 July), pp. 11654-11659. *Nature Climate Change* (2012 IF: 14.472) published a commentary review for this article: “Carbon emissions in China's trade”, by Valerie J. Karplus, *Nature Climate Change* 3, 703–704.
 26. Lee, In Hyeock, Eunsuk Hong and Laixiang Sun.³ 2013. “Regional Knowledge Production and Entrepreneurial Firm Creation: Spatial Dynamic Analyses.” *Journal of Business Research* (Elsevier. 2015 IF: 2.129; 5-Yr IF: 2.670), vol. 66, no. 10 (Oct.), pp. 2106–2115.
 27. Tian, Zhan, Honglin Zhong, Runhe Shi, Laixiang Sun,³ Günther Fischer, Zhuoran Liang. 2012. “Estimating Potential Yield of Wheat Production in China Based on Cross-Scale Data-Model Fusion.” *Frontier of Earth Science* (Springer. 2015 IF: 0.760), vol. 6, no. 4 (Dec), pp. 364–372.
 28. Qiu, Huanguang, Laixiang Sun,² Jikun Huang and Scott Rozelle. 2012. “Liquid Biofuels in China: Current Status, Government Policies, and Future Opportunities and Challenges,” *Renewable & Sustainable Energy Reviews* (Elsevier. 2015 IF: 6.798; 5-yr IF: 7.896), vol. 16, no. 5, pp. 3095-3104.
 29. Wu, Xinwang, Quantao Zhu and Laixiang Sun.³ 2012. “On Equivalence between Cournot Competition and Kreps-Scheinkman Game,” *International Journal of Industrial Organization* (Top journal in Industrial Organization; Elsevier; 2014 IF: 0.866; 5-Yr IF: 1.246), vol. 30, no. 1 (Jan), pp. 116-125.
 30. Hong, Eunsuk and Laixiang Sun.² 2011. “Foreign Direct Investment and Total Factor Productivity in China: A Spatial Dynamic Panel Analysis,” *Oxford Bulletin of Economics and Statistics* (Wiley Blackwell. 2015 IF: 1.247), vol. 73, no. 6 (Dec), pp. 771-791.
 31. Sun, Laixiang,² Eunsuk Hong and Tao Li. 2010. “Incorporating Technology Diffusion, Factor Mobility and Structural Change into cross-region Growth Regression: An application to China”, *Journal of Regional Science* (2015 IF: 1.63; ISI Journal Citation Reports © Ranking: 15/55 in Planning & Development; 49/104 in Environmental Studies; 75/344 in Economics), vol. 50, no. 3 (Aug), pp. 734–755.
 32. Li, Tao, Laixiang Sun,² and Liang Zou. 2009. “State Ownership and Corporate Performance: A Quantile Regression Analysis of Chinese Listed Companies,” *China Economic Review* (Elsevier; 2015 IF: 1.116; 5-yr IF: 1.697), vol. 20, no. 4, pp. 703-716.
 33. Fischer, Günther, T. Ermolieva, Y. Ermoliv, and Laixiang Sun.³ 2009. “Risk-adjusted

- Approaches for Planning Sustainable Agriculture”, *Stochastic Environmental Research and Risk Assessment* (Springer Berlin/Heidelberg; 2015 IF: 2.237), vol. 23, no. 4, pp. 441-450.
34. Tobin, Damian and Laixiang Sun.² 2009. “International Listing as a Means to Mobilize the Benefits of Financial Globalization: Micro-Level Evidence from China”, *World Development* (Top journal in Development Studies; Elsevier; 2015 IF: 2.438; 5-yr IF: 3.102), vol. 37, no. 4, pp. 825–838.
 35. Pesqué-Cela, Vanesa, Ran Tao, Yongdong Liu, and Laixiang Sun.² 2009. “Challenging, Complementing or Assuming ‘the Mandate of Heaven’? Political Distrust and the Rise of Self-Governing Social Organizations in Rural China,” *Journal of Comparative Economics* (Top journal in Comparative Economics; Elsevier; 2015 IF: 1.380; 5-yr IF: 1.568), vol. 37, no. 1, pp. 151-168.
 36. Brück, Sebastian and Laixiang Sun.² 2008. “Dream of the Red Financial Supermarket: The Gradual Emergence of Integrated Financial Services Provision in China in the 21st Century”, *Journal of Chinese Economic & Business Studies* (Taylor & Francis), vol. 6, no. 4, pp. 385-405.
 37. Brück, Sebastian and Laixiang Sun.² 2007. “Achieving Effective Governance under Divided Government and Private Interest Group Pressure: Taiwan’s 2001 Financial Holding Company Law,” *Journal of Contemporary China* (Routledge; 2015 IF: 0.933; Rank in Area Studies: 3/63), vol. 16, no. 53, pp. 655-680.
 38. Hong, Eunsuk and Laixiang Sun.² 2006. “Dynamics of Internationalization and Outward Investment: Chinese Corporations’ Strategies”, *China Quarterly* (Top journal in Areas Studies; Cambridge University Press; 2014 IF: 0.952), no. 187, pp. 610-634.
 39. Sun, Laixiang.² and Damian Tobin. 2005. “International Listing as a Mechanism of Commitment to More Credible Corporate Governance Practices: the case of the Bank of China (Hong Kong)”, *Corporate Governance: An International Review* (Blackwell Publishing; 2015 IF: 2.169), vol. 13, no. 1, pp. 81-91.
 40. Hubacek, Klaus and Laixiang Sun.³ 2005. “Economic and Societal Changes in China and their Effects on Water Use: A Scenario Analysis”, *Journal of Industrial Ecology* (The MIT Press; 2015 IF: 3.265) vol. 9, no. 1-2, pp. 187-200.
 41. Liu, Huan and Laixiang Sun.² 2004. “Beyond Phase-out of Quota in Textile and Clothing Trading: WTO-plus Rules and the Case of US Safeguards against Chinese Exports in 2003”, *Asia-Pacific Development Journal* (United Nations Economic and Social Commission for Asia and the Pacific), vol. 11, no. 1, pp. 49-71.
 42. Liu, Hui, Xiubin LI, Günther Fischer, and Laixiang Sun.³ 2004. “Study on the Impact of Climate Change on China’s Agriculture”, *Climatic Change* (Kluwer Academic Publishers, Springer Netherlands; 2015 IF: 3.344), vol. 65, issue 1-2, pp. 125-148.
 43. Giljum, Stefan, Klaus Hubacek, and Laixiang Sun.³ 2004. “Beyond the Simple Material Balance: A Reply to Sangwong Suh’s Note on Physical Input-Output Analysis”, *Ecological Economics* (Elsevier Science; 2015 IF: 3.227; 5-yr IF: 4.227), vol. 48, no. 1, pp. 19-22.
 44. Sun, Laixiang.¹ 2002. “Adaptive Efficiency and Evolving Diversity of Enterprise Ownership and Governance”, *Journal of Comparative Economics* (Top journal in Comparative Economics; Academic Press, Elsevier Science; 2015 IF: 1.380; 5-yr IF: 1.568), vol. 30, no. 4, pp. 754-758.
 45. Sun, Laixiang.¹ 2002. “Fading Out of Local Government Ownership: Recent Ownership Reform in China’s Township and Village Enterprises”, *Economic Systems* (Elsevier. 2015 IF: 0.701), vol. 26, no. 3, pp. 249-269.
 46. Hubacek, Klaus and Laixiang Sun.³ 2001. “A Scenario Analysis of China’s Land Use and

Land Cover Change: Incorporating Biophysical Information into Input-Output Modeling,” *Structural Change and Economic Dynamics* (Elsevier, 2015 IF: 0.829), Vol. 12, No. 4, pp. 367-397.

47. Sun, Laixiang.¹ 2001. “Price Scissors, Rationing, and Coercion: An Extended Framework for Understanding Primitive Socialist Accumulation,” *Economics of Planning (Economic Change and Restructuring)* since 2005; Kluwer Academic Publishers, Springer Netherlands), Vol. 34, No. 3, pp. 195-213.
48. Fischer, Günther and Laixiang Sun.³ 2001. “Model Based Analysis of Future Land Use Development in China,” *Agriculture, Ecosystems and Environment* (Elsevier Science; 2015 IF: 3.564; 5-yr IF: 4.233), Vol. 85, Issues 1-3, pp.163-176.
49. Zou, Liang and Laixiang Sun.² 2000. “Liability Sharing as a Mechanism to Improve Firms’ Investment and Liquidation Decisions,” *Journal of Comparative Economics* (Top journal in Comparative Economics; Academic Press, Elsevier Science; 2015 IF: 1.380; 5-yr IF: 1.568), Vol. 28, No. 4, pp. 739-762.
50. Sun, Laixiang.¹ 2000. “Anticipatory Ownership Reform Driven by Competition: China’s Township-Village and Private Enterprises in the 1990s,” *Comparative Economic Studies* (USA: The ACES; Palgrave Macmillan), Vol. 42, No. 3, pp. 49-75.
51. Perotti, Enrico, Laixiang Sun,² and Liang Zou. 1999. “State-Owned versus Township-Village Enterprises in China,” *Comparative Economic Studies* (USA: the ACES; Palgrave Macmillan), Vol. 41, No.2-3, pp. 151-179.
52. Sun, Laixiang.¹ 1998. “Estimating Investment Functions Based on Cointegration: The Case of China,” *Journal of Comparative Economics* (Top journal in Comparative Economics; Academic Press, Elsevier Science; 2014 IF: 1.170; 5-yr IF: 1.695), Vol. 26, No.1, pp.175-191.
53. Sun, Laixiang.¹ 1998. “Unorthodox Ownership and Governance Structures in East Asia,” *MOCT-MOST: Economic Policy in Transitional Economies* (Kluwer Academic Publishers, Springer Netherlands), Vol. 8, No.1, pp.33-62.
54. Zou, Liang and Laixiang Sun.² 1996. “Interest Rate Policy and Incentives of State-Owned Enterprises in the Transitional China,” *Journal of Comparative Economics* (Top journal in Comparative Economics; Academic Press, Elsevier Science; 2015 IF: 1.380; 5-yr IF: 1.568), Vol. 23, No.3, pp. 292-318.

Editorship and Contributor

55. Sun, Laixiang,² and Damian Tobin. 2008. Guest Editor of a Special Issue on “China’s Adaptation to Global Best Business Practices”, *Journal of Chinese Economic & Business Studies* (Taylor & Francis), vol. 6, no. 4.
56. Sun, Laixiang.¹ 2002. Guest Editor of a Symposium on “Adaptive Efficiency and Evolving Diversity of Enterprise Ownership and Governance”, *Journal of Comparative Economics* (Academic Press, Elsevier Science. 2015 IF: 1.380; 5-yr IF: 1.568), vol. 30, no. 4, pp. 754-863.
57. Sun, Laixiang.¹ 2003. Editor of a UNU/WIDER Project book (with the authorship for two chapters), *Ownership and Governance of Enterprises: Recent Innovative Developments*. London: Palgrave Macmillan Press and New York: St Martin’s Press, 275 pages. ISBN 1-4039-1633-0.

Books

58. Sun, Laixiang.¹ 2001. *Aggregate Behavior of Investment in China, 1953-96: An Analysis of Investment Hunger and Fluctuation*, London: Palgrave Macmillan Press and New York: St Martin's Press (2001). 304 pages. ISBN 0-333-94809-2.
59. Sun, Laixiang.¹ 1999. *The Evolutionary Dynamics of China's Small and Medium-sized Enterprises in the 1990s*, World Development Studies Series, WDS 14, Helsinki: WIDER of United Nations University. 119 + x pages. ISBN 952-9520-91-3.
60. Sun, Laixiang.¹ 1990. *Normative Economics and Social Choice Theory* (in Chinese), Beijing: Peking University Press (February 1990). 210 pages. ISBN 7-301-00883-X/F.078.
61. Liu, Wei and Sun, Laixiang.² 1987. *Analysis of Socialist Economic Processes* (in Chinese), Beijing: Peking University Press (1987), 180 pages.

Chapters in Books

62. Fan, Dongli, Qiuying Ding, Zhan Tian, Laixiang Sun,³ Günther Fischer. 2015. "Simulating the Adaptive Measures of Soybean Production to Climate Change in China: Based on Cross-scale Model Coupling." In Chongfu Huang, Abdelouahid Lyhyaoui, Zhai Guofang, Nesrin Benhayoun (eds.) *Emerging Economies, Risk and Development, and Intelligent Technology*, pp. 143-149. CRC Press, Taylor & Francis Group. ISBN 978-1-138-02745-9.
63. Sun, Laixiang.¹ 2014. "Food Security and Agriculture in China", in *The Oxford Companion to the Economics of China*, Shenggen Fan, Ravi Kanbur, Shang-Jin Wei and Xiaobo Zhang (eds.), pp. 299-303. Oxford: Oxford University Press.
64. Tian, Z., Z. Liang, H. Qiu, L. Sun,² H. Zhong, G. Fischer, H. van Velthuisen, G. Cao, S. Zhao. 2013. "Upside Potential versus Downside Risk in Chinese Agriculture under Climate Change." In Chongfu Huang and Cengiz Kahraman (eds.) *Intelligent Systems and Decision Making for Risk Analysis and Crisis Response*. CRC Press, Taylor & Francis Group. ISBN 978-1-138-00019-3.
65. Tian, Z., H. Zhong, L. Sun,³ G. Fischer, Z. Liang. 2012. "Estimating Potential Yield of Wheat Production in China Based on Cross-Scale Data-Model Fusion", in: *Plant Growth Modeling, Simulation, Visualization and Applications* (PMA), 2012 IEEE Fourth International Symposium on (ISBN: 978-1-4673-0067-4), pp. 388-395, DOI: 10.1109/PMA.2012.6524862.
66. Sun, Laixiang.¹ 2012. "Forward", in *Economic Reform and Development in China*. Cambridge: Cambridge University Press (also Beijing: Foreign Language Teaching and Research Press, 2010. ISBN: 978-1-107-02405-2).
67. Fischer, G., T. Ermolieva, and L. Sun.³ 2010. "Planning sustainable agricultural development under risks." In: *Coping with Uncertainty: Robust Solutions*, K. Marti, Y. Ermoliev, M. Makowski (eds), Springer-Verlag, Heidelberg, Germany, pp. 209-226.
68. Sun, Laixiang,¹ and Yi Luo. 2009. "Impact of Increasing Feed and Meat Demand on China's Agriculture and Environment", in Lee, Xuhui (ed.), *Lectures on China's Environment*, Chapter 10, pp. 121-134. Yale School of Forestry & Environmental Studies Publication Series Report Number 20, Yale University.
69. Sun, Laixiang.¹ 2005. "Ownership Reform in China's Township and Village Enterprises", in Green, Stephen and Guy Liu (eds.), *Exit the dragon? Privatization and State Ownership in China*, Chapter 5, pp. 90-110. London: Blackwell Publishing.
70. Hubacek, Klaus, Dabo Guan, and Laixiang Sun.³ 2005. "An Analysis of China's Water Problems: A Long Term Perspective", in Leal Filho, W. (ed), *Handbook of Sustainability Research*, Part 1, Chapter 5. Frankfurt: Peter Lang Scientific Publishing (ISBN: 3-631-

52606-7 / US-ISBN: 0-8204-7308-1).

71. Fischer, G., F. Zhang, and L. Sun.³ 2004. "The Role of Government in Combating Desertification," in Shi G., W. Du, J. Li and T. Zhao (eds.), *Proceedings of the China-EU Workshop on Integrated Approach to Combat Desertification*, 15-17 October 2003, Beijing, P.R. China. pp. 171-184 (English version); pp. 133-143 (Chinese version). Beijing: China Association for International Science and Technology Cooperation (CAISTC).
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Project Leadership

- Co-Principal Investigator in a Horizon 2020 project of the European Commission – “Guiding European Policy towards a low-carbon economy. Modelling Sustainable Energy system Development under Environmental And Socioeconomic Constrains (MEDEAS)”, Jan 2016-Dec 2019 (Contract number: LCE-21-2015-691287; EUR 3,736,000).
- Co-Principal Investigator in a Research Project of China Prosperity Strategic Programme Fund sponsored by the Foreign and Commonwealth Office (FCO) of the UK – “A Study of Flood Control Strategies for Shanghai to Respond to Climate Change”, May 2015-Nov 2016 (GBP 84,520).
- Co-Principal Investigator in a Project of the General Programme of the National Natural Science Foundation of China – “Assessing Regional Suitability and Comparable Advantages for Growing Oil Crops in China under Climate Change”, Jan 2014-Dec 2017 (RMB 800,000).
- Co-Principal Investigator in a Major International Joint Project of the National Natural Science Foundation of China – “Integrated Analysis and Modelling of Land Use Efficiency and Security under Rapid Agricultural Transformation in China”, Jan 2012-Dec 2016 (Contract number: NSFC-41161140352; RMB 2.2 million + EUR 200,000).
- Co-Principal Investigator in a Major International Joint Project of the National Natural Science Foundation of China – “Assessing the Impact of Climate Change and Intensive Human Activities on China's Agro-Ecosystem and its Supply Potentials”, Jan 2010-Dec 2012 (Contract number: NSFC-40921140410; RMB 1.2 million + EUR 100,000).
- Principal Investigator and Sponsor of Newton International Fellowship, 2009-2011, awarded by British Academy, Royal Academy of Engineering, and Royal Society, on “The Economics of Biofuel Production: Social and Environmental Impacts in China”.
- Leading Scientist of the SOAS Team in the EU 6th Framework Project on “Chinese Agricultural Transition: Trade, Social and Environmental Impacts” (Contract number: 44255-CATSEI), Jan 2007-June 2010.
- Leading Scientist in the research project of Chinese Academy of Sciences on “Human Activities and Changes of Terrestrial Ecosystems in China”. December 2005-June 2009.

Host Institute: Institute of Geographic Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences.

- Principal Investigator and Sponsor of British Academy Visiting Fellowship, 2006, 2009, 2011, awarded by British Academy.
- Principal Organizer of Chinese Economic Association (UK/Europe) 2012 Annual Conference on “The Chinese Way of Economic Reform and Development and Its Interaction with Globalization”, sponsored by British Academy and SOAS..
- Leading Model-Builder in the EU 5th Framework Project on “Policy Decision Support for Sustainable Adaptation of China’s Agriculture to Globalization (CHINAGRO)” (Contract number: ICA4-CT-2001-10085), Oct 2001-Jan 2005.
- Project Director of the United Nations University (UNU) on “Property Rights Regimes, Microeconomic Incentives and Development,” UNU/WIDER, Helsinki, Finland, January 2000-December 2002.
- Consultant/Researcher in the Project: “Small and Medium-sized Enterprises in Transition: How does Entrepreneurship Develop in Post-Socialist State,” World Institute for Development Economics Research (UNU/WIDER), Helsinki, Finland, March 1998-October 1999.
- Consultant/Researcher in Project: “Economic Theories and Strategies of the Transition,” UNU/WIDER, Helsinki, Finland, March 1996-October 1997.
- Core Team Member and Senior Research Fellow in the State Priority Project: “The Reform Program of China's Economic System in 1988-95,” State System Reform Commission, Beijing, China, Feb. 1988-Feb. 1989.
- Core Team Member and Senior Research Fellow in the State Research Project: “The Welfare Models of Chinese Society,” Ministry of Labor and Personnel Administration, Beijing, China, 1987-1988.
- Core Team Member and Senior Research Fellow in the State Research Project: “Mobility of Labor Force and Economic Development,” Institute of Economic Research, State Planning Commission, Beijing, China, 1986-1988.

Other Responsibilities Held

- President-elected (for 2011-12) and Member of the Board of Directors, Chinese Economist Association (UK/Europe).
- President of Science Society of Young Professional Staffs of Peking University, Beijing, China, 1987-1989.

Teaching Experience

Courses taught in the last five years:

- *Land Use and Urban Economics*, undergraduate students, Department of Geographical Sciences, University of Maryland, College Park, USA, Spring Terms 2015, 2016.
- *Applied Spatial Econometrics*, PhD students, Department of Geographical Sciences, University of Maryland, College Park, USA, Fall Term 2014, 2015, 2016.
- *Conceptualizing and Modelling Human-Environmental Interactions*, undergraduate students, Department of Geographical Sciences, University of Maryland, College Park, USA, Spring and Fall Terms 2014.

- *Advanced Topics in Finance and Management*, PhD students, DeFiMS/SOAS, University of London, UK, February-March 2003-2009.
- *Corporate Governance*, for MSc and PhD students, DeFiMS/SOAS, University of London, UK, January-March (or April) 2003-2012. 15-20 students per year.
- *Management in China II: International Dimensions*, for MSc students, DeFiMS/SOAS, University of London, UK, January-March (or April) 2002-2012. 30-45 students per year.
- *Management in China: Domestic and International Developments*, for BSc students, DeFiMS/SOAS, a two-team course taught by 3 colleagues, 2009-2011. 27-35 students per year.
- *Corporate Governance*, for distance learning students, 2004-2012, 50-80 students per year.
- *Management in China II: International Dimensions*, for distance learning students, 2007-2012, 20-40 students per year.