

# YU SHENG

## Contact Details

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## Qualifications

2003-2006 Ph.D. in Economics, Australian National University, Australia

Thesis: *Openness to Trade and the Determination of Employment: An Application of Two-sector Search Model with Trade Adjustment*, Supervisory Panel: Ligang Song (Chair), Peter Drysdale, Christopher Findlay, and Guillaume Rocheteau.

1999-2002 M.A., Nankai University, P. R. China

1995-1999 B. A., Nankai University, P. R. China

## Biography

I am currently an Associate Professor and Deputy Director of China Centre for Agricultural Policy, the Peking University. Since 2011, I have also been appointed as the Australian delegate of the Agricultural Productivity Metric Expert Working Group at the G20 Ministry of Agricultural Chief-Scientists and as the Committee member of OECD Farm-level Analysis Expert Group at the Trade and Agriculture Division. My research interest includes economic growth and development, agricultural productivity and rural economy, resource and environmental economics, international trade and policy, CGE modelling and China economy. My research work has appeared in many top tier journals such as *Energy Economics*, *Review of International Economics*, *Journal of International Money and Finance*, *Canadian Journal of Economics*, *Review of Income and Wealth*, *World Development*, *Journal of Asian Economics*, *Applied Economics*, *Australian Journal of Agricultural Economics*, *China Economic Review*, *Energy Policy*, *Applied Energy* and *Pacific Economic Review* etc. My teaching interest includes agricultural and resource economics, international theory and policy and development economics.

## Key Research

Agricultural economics, Energy and resource economics, Development economics and China economy, CGE modelling, and Productivity analysis

## **Publications**

### *Career 10 Best*

1P. Y. Sheng(\*), T. Jackson and P. Gooday, 2017, "Resource reallocation and its contribution to productivity growth in Australian broadacre", ***Australian Journal of Agricultural and Resource Economics***, 63(1): 169-193. Journal Impact Factor: 1.067.

2P. D. Zhang, X. Shi(\*) and Y. Sheng, 2015, "Comprehensive measurement of energy market integration in East Asia: An application of dynamic principal component analysis", ***Energy Economics***, 52: 299-305. Journal Impact Factor: 2.708.

3P. Y. Sheng, Y. Wu, X. Shi(\*) and D. Zhang, 2015, "Energy Trade Efficiency and Its Determinants: A Malmquist Index Approach", ***Energy Economics***, 50: 306-314. Journal Impact Factor: 2.708.

4P. Y. Sheng(\*), S. Zhao, K. Nossal and D. Zhang, 2014, "Productivity and farm size in Australian agriculture: Reinvestigating the returns to scale", ***Australian Journal of Agricultural and Resource Economics***, 59(1):16-38. Journal Impact Factor: 1.067.

5P. Y. Sheng, X. Shi(\*) and D. Zhang, 2014, "Economic growth, regional disparities and energy demand in China—Implication for energy market integration in East Asia", ***Energy Policy***, 71:31-39. Journal Impact Factor: 2.575.

6P. Chen, C., Y. Sheng and C. Findlay (\*), 2013, "Impact of FDI on Domestic Firms' Exports in China", ***Review of International Economics***, 21(5):841-856. Journal Impact Factor: 0.596.

7P. X. Xu(\*) and Y. Sheng, 2012, "Productivity Spillovers from Foreign Direct Investment: Evidence from Firm-level Data in China", ***World Development***, 40(1):62-74. Journal Impact Factor: 1.537.

8P. Y. Sheng and X. Xu(\*), 2012, "Are FDI Spillovers Regional? Firm-level Evidence from China", ***Journal of Asian Economics***, 23(3): 244-258. Journal Impact Factor: 0.872.

9P. Y. Sheng and X. Xu(\*), 2011, "Real Exchange Rate, Productivity and Labour Market Rigidities", ***Journal of International Money and Finance***. 30(3): 587-603. Journal Impact Factor: 1.418.

10P. Y. Sheng and X. Xu(\*), 2010, "A Generalized Heckscher-Ohlin-Samuelson Model with Search", ***Canadian Journal of Economics***, 43(3): 795-815. Journal Impact Factor: 0.554.

## *Research Publications*

I have a total of 71 publications including 26 journal articles, 15 book chapters, and more than 30 official research/technical reports/online working papers published by Australian government or other international agencies. Since 2011, the total citation from *Google Scholar* is 499 and the H index is H14 with H10=20.

### Refereed Journal Articles

1. Y. Sheng, X. Shi(\*) and B. Su, 2018, "Re-analyzing the Economic Impact of a Global Bunker Emissions Charge", ***Energy Economics***, forthcoming.
2. Y. Sheng(\*) and W. Chancellor, 2018, "Exploring the relationship between farm size and productivity: Evidence from the Australian grains industry", ***Food Policy***, forthcoming.
3. Y. Sheng (\*), T. Jackson and K. Lawson, 2018, "Evaluating the Benefits from Transport Infrastructure in Agriculture: A Hedonic Analysis of Farm Land Prices", ***Australian Journal of Agricultural and Resource Economics***, forthcoming.
4. Y. Sheng (\*), P. Drysdale and C. Chen, 2017, "Economic Growth in China and Its Potential Impact on Australia-China Bilateral Trade: A Projection for 2025 Based on the CGE Analysis", ***Singapore Economic Review***, 63(1): 1-24.
5. Y. Sheng, T. Jackson, S. Zhao (\*) and D. Zhang, 2017, "Measuring TFP of Australian Agriculture Industry with National Account Data: An International Consistent Method", ***Review of Income and Wealth***, 63(s1): s169-s193.
6. Y. Sheng (\*), T. Jackson and P. Gooday, 2017, "Resource reallocation and its contribution to productivity growth in Australian broadacre", ***Australian Journal of Agricultural and Resource Economics*** 61(2): 285-303.
7. E. Ball, S. Cahill, C. S. Mesonada, R. Nehring and Y. Sheng, 2016, "Comparisons of Capital Input in OECD Agriculture, 1973-2011", ***Review of Economics and Finance***, 2016(6): 25-48.
8. Y. Sheng, J. D. Mullen and S. Zhao, 2016, "Has Growth in Productivity in Australian Broadacre Agriculture Slowed? A Historical View", ***Annals of Agricultural & Crop Sciences***, 1(3): 1001-1009.
9. Y. Sheng (\*), A. Davidson, K. Fuglie, and D. Zhang, 2016, "Input Substitution, Productivity Performance and Farm Size", ***Australian Journal of Agricultural and Resource Economics***, 60(3): 327-347.
10. Y. Sheng (\*), E. Ball and K. Nossal, 2015 "Cross-country comparison of agricultural productivity: the United States, Canada and Australia", ***International Productivity Monitor***, 38(Fall): 38-59.

11. D. Zhang, X. Shi (\*) and Y. Sheng, 2015, "Comprehensive measurement of energy market integration in East Asia: An application of dynamic principal component analysis", *Energy Economics*, 52: 299-305.
12. Y. Sheng, Y. Wu, X. Shi (\*) and D. Zhang, 2015, "Energy Trade Efficiency and Its Determinants: A Malmquist Index Approach", *Energy Economics*, 50: 306-314.
13. D. Zhang C. Chen (\*), Y. Sheng and, 2015, "Public investment in agricultural R&D and extension: an analysis of the effects on Australian broadacre productivity", *China Agricultural Economic Review*, 7(1): 86-101.
14. Y. Sheng(\*), S. Zhao, K. Nossal and D. Zhang, 2014, "Productivity and farm size in Australian agriculture: Reinvestigating the returns to scale", *Australian Journal of Agricultural and Resource Economics*, 59(1):16-38.
15. Y. Sheng, C. Tang and X. Xu (\*), 2014, "The Impact of ACFTA on PRC-ASEAN Trade: Estimates Based on an Extended Gravity Model for Component Trade", *Applied Economics*, 46(19): 2251-2263.
16. Y. Sheng and X. Xu (\*), 2014 "Terms of Trade Shocks and Endogenous Search Unemployment: A Two-Sector Model with Non-Traded Goods", *Pacific Economic Review*, 46(19): 2251-2263.
17. Y. Sheng, X. Shi (\*) and D. Zhang, 2014, "Economic growth, regional disparities and energy demand in China—Implication for energy market integration in East Asia", *Energy Policy*, 71:31-39.
18. Y. Sheng and L. Song (\*), 2013, "Re-estimation of Firms' Total Factor Productivity in China's Iron and Steel Industry", *China Economic Review*, 24(3): 177-188.
19. Y. Sheng and X. Shi (\*), 2013 "Energy Market Integration and Equitable Growth across Countries", *Applied Energy*, 104: 319-326.
20. C. Chen, Y. Sheng, and C. Findlay (\*), 2013, "Impact of FDI on Domestic Firms' Exports in China", *Review of International Economics*, 21(5):841-856.
21. X. Xu and Y. Sheng (\*), 2012, "Productivity Spillovers from Foreign Direct Investment: Evidence from Firm-level Data in China", *World Development*, 40(1):62-74.
22. Y. Sheng and X. Xu (\*), 2012, "Are FDI Spillovers Regional? Firm-level Evidence from China", *Journal of Asian Economics*, 23(3): 244-258.
23. Y. Sheng and X. Xu (\*), 2011, "Real Exchange Rate, Productivity and Labour Market Rigidities", *Journal of International Money and Finance*. 30(3): 587-603.

24. Y. Sheng and X. Xu (\*), 2010, "A Generalized Heckscher-Ohlin-Samuelson Model with Search", *Canadian Journal of Economics*, 43(3): 795-815.
25. Y. Sheng and L. Song (\*), 2008, "Can Comparative Advantage Explain the Australia-China Bilateral Trade", *Economic Papers*, 27(1): 41-56.
26. Y. Sheng (\*), 2005 "Trade Liberalisation and Labour Market Distortion in China", *The Journal of World Economy (Chinese)*, 28(6): pp. 35-42.
27. Y. Sheng (\*), 2004 "The International Comparison of Labour Market Distortion and Trade", *Nankai Economic Study (Chinese)*, 20(7): pp. 30-43.
28. Y. Sheng (\*), 2002 "Impact of APEC Trade Liberalisation on Sino-Australian Bilateral Trade", *Pacific Economic Papers*, No.330, Canberra, Australia.

#### Book Chapters

1. Y. Sheng, L. Song and Q. Yi, 2017, "Mechanisation Outsourcing and Agricultural Productivity for Small Farms: Implications for Rural Land Reform in China", L. Song, R. Garnaut, F. Cai and L. Johnston (eds.), *China's New Sources of Economic Growth*, Chapter 13, 2017, the ANU Press.
2. Y. Sheng and X. Shi, 2013. "Energy Market Integration and Economic Convergence: Implication for East Asia" Y. Wu and S. Kimura (eds.) *EMI in East Asia Submit Countries*, the Elder Elgar Press, London.
3. Y. Sheng and L. Song, 2013. "China's Iron and Steel Industry Performance: Total Factor Productivity and Its Determinants", L. Song and H. Liu (eds.) *The Chinese Steel Industry's Transformation*, the Elder Elgar Press, London.
4. J. Golley, Y. Sheng and Y. Zheng, 2012. "Economic growth, regional disparities and core steel demand in China", L. Song and H. Liu (eds.) *The Chinese Steel Industry's Transformation: Structural Change, Performance and Demand on Resources*, the Elder Elgar Press, London.
5. Y. Sheng and L. Song, 2012. "The Backward and Forward Linkages of the iron and steel industry in China and Their Implications" L. Song and H. Liu (eds.), *The Chinese Steel Industry's Transformation: Structural Change, Performance and Demand on Resources*, the Elder Elgar Press, London.
6. Y. Sheng and L. Song, 2012 "China's Iron Ore Import Demand and Its Determinants: A Time-series Analysis", L. Song and H. Liu (eds.), *The Chinese Steel Industry's Transformation: Structural Change, Performance and Demand on Resources*, the Elder Elgar Press, London.
7. Y. Sheng and L. Song, 2012 "The Technical Efficiency of China's Large and Medium Iron and Steel Enterprises: A Firm-level Analysis", L. Song and H. Liu

(eds.), *The Chinese Steel Industry's Transformation: Structural Change, Performance and Demand on Resources*, the Elder Elgar Press, London.

8. S. Zhao, Y. Sheng and E. Gray, 2012. "Productivity of the Australian Broadacre and Dairy Industries: Concept, Methodology and Data", K. Fuglie, S. Wang and E. Ball (eds.) *Global Agricultural Productivity Analysis*, CABI Publishing House, UK.

9. H. McKay, L. Song and Y. Sheng, 2010 "China's Metal Intensity in Comparative Perspective", R. Garnaut, L. Song and W. T. Woo (eds.) *The Next 20 Years of Reform and Development*, Edward Elgar Publishing.

10. Y. Sheng and L. Song, 2009 "Linking Economic Development with Demand for Energy: A Discontinuous Estimation of Energy Demand Elasticity", C. Chen (ed). *China's Integration with the Global Economy*, Edward Elgar Publishing Ltd, Cheltenham, UK.

11. Y. Sheng and L. Song, 2007 "China's Demand for Energy: A Global Perspective", R. Garnaut and L. Song (eds.), *China Linking Markets for Growth*, the Asia Pacific Press, Australian National University, Canberra.

12. Y. Sheng, 2006 "Job Matching Efficiency in Urban China: 1996-2003", Yanrui Wu (ed.) *Economics Transition, Growth and Globalization in China*, Edward Elgar Publishing, Cheltenham, England.

13. Y. Sheng, 2005 "Rapid Urbanisation and Implications for Growth in China", R. Garnaut and L. Song (eds.) *The China Boom and Its Discontents*, the Asia Pacific Press, Australian National University.

14. Y. Sheng and L. Song, 2004 "Privatisation, Incentive Effects and Sustainability of Growth", R. Garnaut and L. Song (eds.) *China: Is Rapid Growth Sustainable?*, the Asia Pacific Press, Australian National University.

15. Y. Sheng and L. Song, 2003 "Regional Income Disparities and Conditional Convergence in China", Presented at the International Conference, *Reducing Regional Disparities in China*, Chinese Academy of Social Sciences, Beijing.

#### Published Research Reports

1. E. Ball, JP, Batraut, R. Nering, S. Cahil and Y. Sheng, 2016, "Comparison of Capital Stock and Services in Agriculture" OECD Statistical Division, Working Papers 2016/01.

2. Y. Sheng and T. Jackson, 2016 "Deregulation Reforms and Productivity Growth of Dairy Industry in Australia", ABARES Research Technical Report, Canberra.

3. K. Fuglie, T. Benton, Y. Sheng, J. Hardelin, K. Mondelaers, and D. Laborde, 2015, G20 MACs White Paper: Metrics of Sustainable Agricultural Productivity, Submission to G20 MACs in Turkey.

4. Y. Sheng and X. Xu, 2015 "How did Severe Droughts Affect Agricultural Productivity in Australia: Evidence from An International Comparison", ABARES Research Technical Report, Canberra.
5. Y. Sheng and T. Jackson, 2015 "A Manual for Measuring Total Factor Productivity in Australian Agriculture", ABARES Research Technical Report, Canberra.
6. Y. Sheng, T. Jackson and A. Davidson, 2015 "Resource Reallocation and Its Contribution to Productivity Growth in Australian Broadacre Agriculture", ABARES Research Technical Report, Canberra.
7. C. Gunning-Trant, Y. Sheng, P. Hamshere, T. Gleeson and B. Moir, 2015 "What Indonesia Wants: Analysis of Indonesia's Food Demand to 2050", ABARES Research Technical Report, Canberra.
8. T. Jackson, K. Lawson and Y. Sheng, 2014 "Farm Land Prices and the Value of Infrastructure", ABARES Research Paper, Canberra.
9. E. Gray, M. Oss-Emer, Y. Sheng, 2014 "Australian Agricultural Productivity Growth: Past Reforms and Future Opportunities", OECD TAD Working Paper, March 2014, Canberra, and OECD TAD Term of Reference.
10. D. Zhang, X. Shi and Y. Sheng, 2014 "Enhanced Measurement of Energy Market Integration in East Asia: An Application of Dynamic Principal Component Analysis, ERIA Working Paper Series 2014.
11. P. Hamshere, Y. Sheng, B. Moir, C. Gunning-Trant and D. Mobsby, 2014 "What India Wants: Analysis of India's Food Demand to 2050", ABARES Research Technical Report, Canberra.
12. P. Hamshere, Y. Sheng, B. Moir, F. Syed and C. Gunning-Trant, 2014 "What China Wants: Analysis of China's Food Demand to 2050", ABARES Research Technical Report, Canberra.
13. Y. Sheng, K. Nossal and E. Ball, 2013, "Comparing Agricultural TFP between Australia, Canada and the United States", ABARES Research Technical Report, Canberra.
14. Y. Sheng and K. Nossal, 2012 "Estimating Total Factor Productivity (TFP) in the Dairy Industry with Farm Survey Data: A Proposed Methodology for OECD Countries", OECD TAD Term of Reference.
15. Y. Sheng and X. Shi, 2011 "Energy Market Integration and Economic Convergence: Implications for East Asia". ERIA Working Paper Series 2011/09, Jakarta.

16. Y. Sheng, J.D. Mullen and S. Zhao, 2011 "A Turning Point in Agricultural Productivity: Consideration of the Causes", ABARES Technical Report, Canberra.
17. Y. Sheng, S. Zhao and J.D. Mullen, 2011 "Public Investment in Agricultural R&D and Its Impact on Australian Agricultural Productivity", ABARES Technical Report, Canberra.
18. Y. Sheng, E. Gray, J.D. Mullen and A. Davidson, 2011 "Public Investment in Agricultural R&D and Extension: An Analysis of the Static and Dynamic Effects on Australian Broadacre Productivity", ABARES Technical Research Report, Canberra.
19. Y. Sheng, H. C. Tang and X. Xu, 2011 "The Impact of ACFTA on People's Republic of China-ASEAN Trade: Estimates Based on an Extended Gravity Model for Component Trade", ADB Working Paper.
20. N. Hughes, K. Lawson, A. Davidson, T. Jackson and Y. Sheng, 2011 "Productivity Pathways: Climate-adjusted Production Frontiers for the Australian Broadacre Cropping Industry", ABARES Technical Research Report, Canberra.
21. P. Martin, P. Phillips, E. Gray, Y. Sheng, K. Nossal, M. Oss-Emer, A. Davidson, 2011 "Farm Performance: Broadacre and Dairy Farms: 2008-09 to 2010-11", Australian Commodities, ABARES, Canberra
22. Y. Sheng, J. D. Mullen and S. Zhao, 2011 "Has Growth in Productivity in Australian Broadacre Agriculture Slowed?" Paper submitted and accepted by the Australian Agricultural and Resource Economics Society Annual Conference, Adelaide Convention Centre, February 2010.
23. Y. Sheng, S. Zhao and T. Jackson, 2010 "Productivity of the Australian Broadacre and Dairy Industry: Concepts and Methods", Paper presented at the Economic Measurement Workshop, University of New South Wales, 11 December 2009.
24. Y. Sheng, J. H. Kee and S. Zhao, 2010 "Price Paid Index and Its Application in TFP Estimation for Australian Broadacre Industries", ABARE Internal Research Paper, sponsored by DAFF.
25. Y. Sheng, S. Zhao and J. H. Kee, 2009, "Exploring Determinants of the Total Factor Productivity in Australia's Broadacre Grain Farms", Paper presented at the 38th Australian Conference of Economist, University of Adelaide, September 2009.
26. Y. Sheng and S. Zhao, 2010 "Elasticity of Substitution and TFP in Australian Broadacre Industry: 1977-78 to 2006-07", ABARE Internal Research Paper.



27. Y. Sheng and S. Zhao, 2010 “Agricultural Productivity and Its Determinants in Australian Grain Industry: A Case Study on Broadacre Farmers in 1989/1990-2003/2004”. GRDC Research Report.
28. Y. Sheng, K. Nossal and S. Zhao, 2010 “Total Factor Productivity Estimation for the Beef and Slaughter Lamb Industries”.
29. Y. Sheng, S. Zhao and K. Nossal, 2010, “Productivity and Farm Size in Australian Agriculture: Reinvestigating the Return to Scale”, ABARE Internal Research Paper.
30. Y. Sheng and X. Xu, 2010 “Trade Potential between Mainland China and Taiwan Strait”. for the annual conference of PAFTAD 2009, website: <http://www.paftad.org/files/33/Xu%20&%20Sheng.pdf>.
31. Y. Sheng and K. Nossal, 2009 “Grains Outlook for 2009-10 and Industry Productivity” (With Katarina Nossal) Australian Commodity, November 2009.
32. Y. Sheng, K. Nossal , S. Zhao and D. Gunasekera, 2009 “Productivity Movements in Australian Agriculture”, Paper presented at the ABARE Outlook Conference, National Conventional Centre of Australia, 9 March 2009, Canberra, ACT, Australia.
33. K. Nossal, Y. Sheng, S. Zhao, P. Kokic and R. Nelson, 2009 “Exploring the Feasibility of An Adaptive Capacity Index Using ABS data”, ABARES Research Report.
34. Y. Sheng and L. Song, 2008 “The Impact of Reform on Economic Growth in China: A Principal Component Analysis”, Research Paper, No. 2008/12, UNU-WIDER, United Nation, Helsinki, Finland.
35. Y. Sheng and X. Xu, 2008 “Economic Growth and Unemployment: An Analysis on Transitional Dynamic”, ANU Conference Paper.

## Ongoing Research

1. Y. Sheng and L. Song, 2018, "What China Wants: Food Demand in 2050", revised and resubmit to ***China Economic Review***.
2. Y. Sheng, J. Ding and J. Huang, 2018, “The Relationship between Farm Size and Productivity in Agriculture: Evidence from the Maize Farms in China”, revise and resubmit to ***American Journal of Agricultural Economics***.
3. Y. Sheng and T. Jackson, 2018, “Resource Reallocation and Productivity Growth in the Australian Dairy Industry: Implications of Deregulation”, revised and resubmit to ***American Journal of Agricultural Economics***.

4. Y. Sheng and X. Xu, 2018, "Estimating Impacts of Sustained Droughts on Agricultural Productivity in Australia: Evidence from An International Comparison", revised and resubmitted to *Economic Modelling*.
5. Y. Sheng, S. Zhao and K. Fox, 2018, "Dynamic Adjustment of Agricultural TFP and Climate Change: A cross-regional comparison of broadacre farms in Australia", submitted to *Journal of Economic and Environmental Management*.
6. Y. Sheng and X. Xu, 2018, "Market Fragmentation, Regional Monopoly and Resource Reallocation: Evidence from China's Iron and Steel Industry", under review of *Journal of Productivity Analysis*.
7. X. Meng, Y. Sheng and D. Zhang, 2018, "A General Equilibrium View of the Positive Urban Wage Responses to Rural Migrant Inflow in China: 1990-2010", under review of *Journal of Labor Economics*.
8. B. Balk, Y. Sheng and X. Xu, 2018, "Value-added versus Gross-output Based Aggregate Productivity Decomposition", under review of *Economic Letters*.
9. Chambers, R., S. Pieralli and Y. Sheng, 2018 "Exploring Cross-region Gap in Agricultural TFP: Climate Change or Technological Progress? Evidence from Australian Non-irrigated Agriculture", *mimeo*.
10. Y. Sheng, E. Ball and X. Xu, 2018, "Cross-country Comparison of Agricultural Productivity: The Superlative versus the Quantity-based Approach", *mimeo*.
11. Y. Sheng and J. Huang, 2018, "Resource Reallocation and Cross-state Disparity in Labor Productivity of the US Agriculture: Revisit the Distribution of Farm Size", *mimeo*.
12. Y. Sheng, X. Meng and D. Zhang, 2018 "China's Growth Miracle and Rural-to-Urban Migration: A Tale of 'Big Push'", *mimeo*.
13. Y. Sheng, Y. Zhou and G. Zhang, 2018, "Does Aggregation Matter for Trade Creation by RTA: An Extension of Gravity Model", *mimeo*.
14. X. Shi, Y. Zhang and Y. Sheng, 2018, "Apply Credit Trading Scheme to Production Capacity Cut: An Example in China's Coal Industry", *mimeo*.
15. K. Fuglie, T. Benton, Y. Sheng, J. Hardelin, K. Mondelaers, and D. Laborde, 2016, "G20 MACS White Paper: Metrics of Sustainable Agricultural Productivity", Version 3 to G20 MACs, Xi'an P.R. China.

## **Invited Speech in International Conferences**

AARES 2018, February 2018, Conventional Centre, Adelaide, Australia.

China Update, July 2017, the Australian National University, Canberra, Australia.

EWEPA Conference, June 2017, London School of Economics, London, UK.

1. Farm Size and Productivity Growth: An International Comparative Assessment  
The USDA ERS Innovation Research Grant, 2-3 February 2017, 25 April 2016.
2. The 3<sup>rd</sup> Asian Modelling Workshop on Carbon Pricing and Investment towards  
Low Emissions: Uncertainties and Potential, ESI Workshop, National  
University of Singapore, 25-26 February 2016.
3. The OECD Expert Workshop on the EATFP in Agriculture: COP 21, OECD  
TAD/EVN/STD 14-15 December 2015, OECD Headquarter, Paris
4. Measurement of Agricultural Total Factor Productivity in Asian Countries,  
Asian Productivity Organisation/World KLEMS  
20-27 August 2015, Tehran, IR Iran.
5. Climate Change and Global Agricultural TFP, USDA-ERS and the US Farm  
Foundation  
21-23 March 2015, Washington, D.C.
6. The OECD TAD/Farm Level Analysis Committee Annual Meeting, OECD, Paris.  
3-4 November 2011, 9-11 May 2012, 2-3 July, 2014, 14-15 November 2015,  
24-25, April 2016.
7. The Australian Agriculture and Resource Economics Society Annual  
Conference, Australia.  
9-10 February, 2010, Adelaide; 7-9 February, 2011, Melbourne; 4-8 February,  
2013, Sydney; 4-8 February, 2014, Port Macquarie,
8. The Economic Measurement Group Workshop, University of New South Wales,  
Coogee Beach, Sydney, Australia.  
2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015  
The 32<sup>th</sup> IARIW International Conference, 21-24<sup>th</sup>, November, 2013, Sydney,  
Australia.
9. The Western American Economic International Biannual Conference, 16-18  
March 2013, Tokyo, Japan.
10. The second World KLEMS Conference, 8-10 August 2012, the Harvard  
University, Boston, the USA.
11. The 16<sup>th</sup> World Productivity Congress and 2010 European Productivity  
Conference, 1-5 November 2010, Atalia, Turkey.

12. The Causes and Consequences of Global Agricultural Productivity Growth conference Global Productivity Conference, 11-12 May 2010, Washington D. C., USA.
13. The First Annual Conference of Hong Kong Institute of Monetary Authority, 9-11, January, 2010, IFC, Hong Kong.
14. The Global Agricultural Productivity Workshop, 3 September, 2009, University of Queensland, Australia.
15. The Australian Conference of Economists, 2-6 September, 2008, Gold Coast, Australia.
16. The ANU-Rio/Tinto China Iron and Steel Industry Workshop, December 2007, Beijing, China.

### **External Competitive Research Grant (Academia)**

[1] 新时期中国农业与农村发展战略与政策研究，国家自然科学基金，应急管理项目，2017年8月-2018年7月，200万元人民币（参与，骨干成员）。

[2] 农村区域转型：中国、菲律宾和越南等国的方法途径、政策预测及成果，国际农业发展基金会 (IFAD)，2017年8月-2019年9月，50万美元（参与，骨干成员）

[3] 2050年中国农业发展战略研究，中国工程院，重大咨询项目，2018年7月-2012月，800万元人民币（承担综合课题和项目总协调）。

[4] 中国农业生产力测度和国际比较（Measuring Agricultural Total Factor Productivity in China），中澳双边市场准入合作项目(ATMAC), 2017年7月-2019年6月, 28.5万澳元（主持）。

1. 2015-2016 Productivity, Technology and Resource Allocation. Co-Principal Investigator, Hong Kong Government Competitive Research Grant (Hong Kong GRF).
2. 2015-2017 the USDA ERS Innovation Research Grant: Farm Size and Productivity Growth: An International Comparative Assessment (USDA ERS).
3. 2011-2016 International Comparison of Agricultural Productivity (USDA ERS, OECD, ABARES and RIRDC).

4. 2012-2016 Elasticity of Substitution and Total Factor Productivity Growth in Australian broadacre agriculture (US Farm Foundation).
5. 2009-2014 Energy Market Integration in East Asian Subit Region, Principal Investigator, ERIA Competitive Economic Research Grant, Economic Research Institute of Asia and ASEAN.
6. 2010-2014 Regional Integration and Its Impacts on Trade in Asia, Principal Investigator, ADB Research Grant for Regional Integration, Asian Development Bank.
7. 2009-2013 FDI, Productivity and Real Exchange Rate. Co-Principal Investigator, Central Research Grant, Hong Kong Polytechnic University.
8. 2008-2012 Trade Theorems with Search Unemployment. Collaborate Investigator. Central Research Grant, Hong Kong Polytechnic University.
9. 2007-2011 China's Industrialisation and Its International Resource Demand, Collaborate Investigator, ARC-Linkage Project, Australian Research Council.
10. 2006-2007 Emerging Asian Regionalism: Ten Years after the Crisis, Collaborate Investigator, ADB Research Grant for Regional Integration, Asia Development Bank.
11. 2002-2003 Survey on SOEs Privatisation in China, Collaborate Investigator, World Bank and China Economic and Trade Cooperation Department, IFC-World Bank.

## **Previous positions**

2011-2012 Agricultural Consular (Technical), Department of Agriculture, Australian Embassy in Beijing.

2010-2011 Senior Economist, Australian Bureau of Agricultural and Resource Economics and Sciences.

2008-2010 Principal Economist, Australian Bureau of Agricultural and Resource Economics and Sciences.

2007-2008 Research Economist, Australian Bureau of Agricultural and Resource Economics and Sciences.

2006-2008 ARC Research Fellow, the Australian National University, Australia.

## **Teaching**

1. 2011-2015 Microeconomics, Macroeconomics and Management Economics, the Hong Kong Polytech University
2. 2007 Macroeconomics (Undergraduate and master level), the Australian National University

### **Current External Positions**

1. Editorial Board Member of Journal of Chinese Economic and Business Studies, Published by Routledge, Taylor and Francis Group since 2003. ISSN 1476-5283.
2. G20 Ministry of Agricultural Chief-Scientists, Agricultural Productivity Metric Expert Working Group, Australian Delegate.
3. Agricultural Farm Analysis and Productivity Network Panel Member, OECD Trade and Agriculture, Paris/OECD National Accounts and Statistics, Paris.
4. Global Agricultural Productivity Analysis Group Member, Economic Research Service, US Department of Agriculture/ World Bank/ International Food Product Research Institute.
5. Trade Economist/External Consultant, Regional Economic Integration, Asian Development Bank.
6. Visiting Professor, Faculty of Business, the Hong Kong Polytechnic University, Hong Kong
7. Honoured Professor, School of Economics, the Nankai University, P. R. China since 2013.