

# Zhige Wu

CONTACT INFORMATION	College of Economics Central South University of Forestry & Technology 498 Shaoshan Rd South Changsha, Hunan, China 410007	Office: (86) 731-8557-9625 Email: <a href="mailto:wu.zhige@126.com">wu.zhige@126.com</a> Web: <a href="http://wu.zhige.github.io">wu.zhige.github.io</a> <a href="http://ideas.repec.org/f/pwu232.html">ideas.repec.org/f/pwu232.html</a>
EDUCATION	<b>University of Guelph</b> , Guelph, Ontario, Canada Ph.D., Economics, May 2015 <b>University of Calgary</b> , Calgary, Alberta, Canada M.A., Economics, June 2011 <b>Hunan University</b> , Changsha, Hunan, China M.A., International Economics, June 2009 <b>Beijing Institute of Petrochemical Technology</b> , Beijing, China B.A., International Economics & Trade, June 2006	
EMPLOYMENT	<b>Associate Professor (with tenure)</b> <b>College of Economics</b> <b>Central South University of Forestry &amp; Technology</b> , Changsha, China	2022-present
	<b>Postdoctoral Fellow</b> <b>College of Economics</b> <b>Jinan University</b> , Guangzhou, China	2020-2022
	<b>Assistant Professor (tenure track)</b> <b>College of Economics</b> <b>Central South University of Forestry &amp; Technology</b> , Changsha, China	2015-2022
FIELDS OF INTEREST	Energy Economics, Financial Economics, Agricultural Economics, Applied Econometrics	
PUBLICATIONS IN ENGLISH	<ol style="list-style-type: none"><li>1. Li, D., <b>Wu, Z.</b>, &amp; Tang, Y. 2024. Do Climate Risks Affect Dirty-Clean Energy Stock Price Dynamic Correlations? <i>Energy Economics</i>, 136, 107713.</li><li>2. <b>Wu, Z.</b>, Weersink, A., &amp; Maynard, A. 2022. Fuel-feed-livestock Price Linkages under Structural Changes. <i>Applied Economics</i>, 54(2): 206-223.</li><li>3. <b>Wu, Z.</b>, Maynard, A., Weersink, A., &amp; Hailu, A. 2018. Asymmetric Spot-futures Price Adjustments in Grain Markets. <i>Journal of Futures Markets</i>, 38(12): 1549-1564.</li><li>4. <b>Wu, Z.</b>, Weersink, A., Maynard, A., Hailu, G., &amp; Vyn, R. 2017. The Impact of Local Ethanol Production on the Corn Basis in Ontario. <i>Canadian Journal of Agricultural Economics</i>, 65(3): 409-430.</li></ol>	

PUBLICATIONS IN  
CHINESE

1. **Wu, Z.**, Xie, J., & Huang, Z. 2024. Mechanism and Path of Integrative Development of Discipline Construction and Sino-foreign Cooperative Education in Local Universities based on Externality Theory. *Journal of Higher Education*, 10(26): 19-23.
2. **Wu, Z.**, Huang, Z., & Wu, R. 2024. Status Quo and Countermeasures of Sino-foreign Cooperative Education Institutions in Local Universities based on SWOT-PEST Matrix Model. *Journal of Higher Education*, 10(24): 1-7.
3. **Wu, Z.**, & Du, P. 2023. The Impact of Sino-foreign Cooperative Education Institutions on the Development of Parent Local Universities. *Modern Business Trade Industry*, 44(22): 46-48.
4. **Wu, Z.**, Liu, Y., Zhou, J., Liu, T., Luo, T., Yuan, Y. & Guo, H. 2022. Financial Bailout for the Chinese Small and Medium Sized Enterprises in the context of the COVID-19. *Modern Business Trade Industry*, 43(12): 1-4.
5. Cao, Y. & **Wu, Z.** 2022. Analysis of Tax Exemption Policies Applicable to Private Universities. *China Accounting Journal*, 2022-06-03.
6. **Wu, Z.**, Zhou, Z., & Zeng, W. 2022. Exploring Innovative Teaching Strategies of the Business Analytics Course. *Modern Business Trade Industry*, 43(10): 152-156.
7. **Wu, Z.**, Liu, H., & Jiang, H. 2022. Innovative Teaching Strategies of the Intermediate Econometrics Course - based on the Empirical Analysis Interface of R Language. *Modern Business Trade Industry*, 43(4): 148-150.
8. Liu, H. & **Wu, Z.** 2021. The Application of Blockchain Technology to Solve the Pain Points of Smart Agriculture. *Hubei Agricultural Sciences*, 60(20): 10-15.
9. **Wu, Z.**, Chen, Y., & Liu, Y. 2021. The Experimental Design of the Statistical Methods Course Teaching based on R Language. *Journal of Science and Education*, 2021(28): 110-114.
10. Liu, Z., Li, L., Zhou, S., & **Wu, Z.** 2009. Relationships between FDI and International Trade. *Journal of Quantitative Economics*, 26(2): 59-64.

WORKING PAPERS

1. **Wu, Z.**, Jiang, H. Do Biofuel Commodities Strengthen the Price Co-movements between Crude Oil and Agricultural Markets? under review at *Journal of Commodity Markets*.
2. Jiang, H. **Wu, Z.** The Price Volatility Spillovers among Crude Oil, Biofuel and Agricultural Markets, under review at *Agribusiness*.
3. **Wu, Z.**, Jiang, H. The Global-local Price Adjustments and Volatility Spillovers in Agricultural Markets, under review at *Applied Economics*.
4. Du, P., **Wu, Z.**, & Fu, Y. The Impact of Macroeconomic Uncertainty on Carbon Price Volatility in China, under review at *Environmental Science and Pollution Research*.
5. **Wu, Z.** Weight Gain Owes to Heavier Pouch? Explore the Effects of Individual and State-level Income on BMI Index across U.S., under review at *Journal of Health Economics*.
6. **Wu, Z.** The Effect of Financial Deepening on Economic Growth in China, under review at *Finance Research Letters*.

7. **Wu, Z.** Fuel, Feed, and Food Price Linkage in the Biofuel Era, under review at *Agribusiness*.
8. **Wu, Z.** The Political Economy of Agricultural Distortion in China, India, Japan, and Korea, under review at *Agricultural Economics*.
9. **Wu, Z.** The Price Connections of Exchange Rates in ASEAN Countries, under review at *Applied Economics*.

#### GRANTS

1. Co-principal Investigator, Hunan Province Department of Education Key Grant, “The Operational Performance and Transition Effects of Carbon Market in China” (2024-2027, RMB 60,000).
2. Co-principal Investigator, Changsha Natural Science Grant, “Smart Transportation Governance under the ‘Dual Carbon’ Goal” (2024-2026, RMB 50,000).
3. Principal Investigator, Hunan Province Department of Education Grant, “Optimization and Teaching Innovation of Econometrics under the Background of Artificial Intelligence” (2024-2026, RMB 5,000).
4. Principal Investigator, Changsha Human and Social Science Grant, “The Matching Dilemma between Students Cultivation in Agricultural and Forestry Universities and The demand for rural revitalization”(2024-2025, RMB 10,000).
5. Principal Investigator, Hunan Province Department of Education Excellent Young Scientist Grant, “The Guiding Mechanism and Path of Carbon Financial Instruments for Directed Green Technical Change” (2023-2025, RMB 28,000).
6. Co-principal Investigator, China National Social Science Foundation Grant, “The Chain-driving Mechanism and Path for the Green Transformation and Upgrading of High Energy Consumption Manufacturing Industry under the ‘Dual Carbon’ Goal” (2022-2025, RMB 200,000).
7. Co-principal Investigator, Hunan Census Investigation Grant, “The Support Mechanism of Hunan Population on Industrial Development” (2022-2023, RMB 10,000).
8. Co-principal Investigator, Hunan Province Natural Science Foundation Grant, “Institutional Quality, Green Innovation, and High Quality Economic Development in Hunan: Mechanism, Effect, and Policy Research” (2022-2024, RMB 50,000).
9. Co-principal Investigator, Hunan Province Social Science Achievement Evaluation Committee Grant, “The Optimization of Manufacturing Industry Structure in Hunan Province Based on the Reconstruction of Global Industrial Chain” (2021-2023, RMB 30,000).
10. Principal Investigator, Hunan Province Department of Education Grant “Research on the Innovative Talent Training Model of Integration of Industry, academia and research in the Banking & Finance Program from the Perspective of Sino-foreign Cooperative Education” (2019-2023, RMB 10,000).
11. Principal Investigator, Hunan Province Educational Science Planning Committee Grant, “The Mechanism and Path of the Integration and Development of Sino-foreign Cooperative Education in Local Universities from the Perspective of First Class Discipline Construction” (2019-2023, RMB 10,000).
12. Principal Investigator, Central South University of Forestry & Technology Education Grant, “Research on the Academic Innovative Ability Training Model of ”Course+Project” in Banking & Finance Program of Sino-foreign Cooperative Education” (2018-2020, RMB 5,000).

13. Principal Investigator, Central South University of Forestry & Technology Young Scientists Grant, “The Mechanism and Effects of Energy-Carbon Price Transmission in China” (2017-2022, RMB 30,000).
14. Co-principal Investigator, Hunan Province Department of Education Grant, “The Theory and Policy of Internationalization of Technological Innovation Networks in High Technology Industries” (2016-2021, RMB 40,000).
15. Research Associate, Ontario Ministry of Agricultural, Food and Rural Affairs Grant, “Policy Implications of a Transition to a Green Economy” (2012-2015, CAD \$30,000).
16. Research Associate, Ontario Ministry of Agricultural, Food and Rural Affairs Grant, “Identifying Successful Business Models, Strategies and Policies for Promoting the Canadian Bio-economy” (2011-2014, CAD \$40,000).

#### AWARDS AND HONORS

Central South University of Forestry & Technology	
• Teaching Achievement Awards	2021-2022
• Teaching Excellence in Online Education	2020-2021
• Most Favorite Teacher Teaching Excellence	2015-2016
University of Guelph	
• University of Guelph Doctoral Fellowship	2011-2015
• University of Guelph Entrance Scholarship	2012-2013
• University of Guelph Teaching Assistantship	2011-2015
• China Scholarship Council (CSC) Doctoral Fellowship	2011-2015
University of Calgary	
• University of Calgary Teaching Assistantship	2009-2011
Beijing Institute of Petrochemical Technology	
• Outstanding Student Scholarship	2002-2006
• Ministry of Education Student Assistantship	2005-2026
• University Undergraduate Contest Scholarship	2005-2026

#### TEACHING IN ENGLISH

Central South University of Forestry & Technology	
• Intermediate Econometrics (Master in Applied Economics)	
• Financial Econometrics (Master in Finance)	
• International Finance (Master in Finance)	
• Econometrics (Undergraduate)	
• Corporate Risk Management (Undergraduate)	
• Financial Risk Management (Undergraduate)	
• Business Analytics (Undergraduate)	
• Introduction to Economics (Undergraduate)	
• Probability and Optimization (Undergraduate)	
• Statistical Methods (Undergraduate)	
• Introduction to Business Management (Undergraduate)	
University of Guelph	
• Futures and Options Markets (Undergraduate)	
University of Calgary	
• Introduction to Econometrics (Undergraduate)	

TEACHING IN CHINESE	Central South University of Forestry & Technology <ul style="list-style-type: none"> <li>• Statistics (Undergraduate)</li> <li>• Statistical Experiment (Undergraduate)</li> <li>• Financial Risk Management (Undergraduate)</li> <li>• Reinsurance (Undergraduate)</li> <li>• Insurance (Undergraduate)</li> <li>• Frontier Topics in Insurance (Undergraduate)</li> <li>• Literature Retrieval and Thesis Writing (Undergraduate)</li> </ul>
RESEARCH PRESENTATIONS	<ul style="list-style-type: none"> <li>• Hunan Ecological Civilization Forum, Changde, China 2024</li> <li>• Digital Economy and Sustainable Development Conference, Changsha, China 2024</li> <li>• Green Development Think Tank Forum, Changsha, China 2022</li> <li>• National and Regional (ASEAN) Research Summit, Nanning, China 2021</li> <li>• International Energy Finance Annual Meeting, Qingdao, China 2020</li> <li>• Mechanism Design and Economic Reform Forum, Changsha, China 2019</li> <li>• North Eastern Asia Economics Research Network, Changsha, China 2017</li> <li>• AAEA &amp; CAES Joint Annual Meeting, Washington DC, U.S. 2013</li> <li>• Bioeconomy Research Highlights Conference, Guelph, Canada 2013</li> <li>• CES Annual Conference 2011, Beijing, China 2011</li> <li>• CES Annual Conference 2007, Changsha, China 2007</li> </ul>
GRADUATE ADVISING	Hao Liu (supervision), Hui Jiang (Supervision), Panting Du (supervision), Wanji Xie (Supervision), Xian Gan (Supervision), Huiting Wu (Supervision), Nike Huan (chair), Yuanhang Hu (chair), Tingting Liao, Jiali Zhou, Yuhui Wu (co-chair), Li Tao, Xianghui Su, Rou Li, Anastasiia, Rui Chen (co-chair), Yangbiao Fu, Ruimin Wang, Qingrui Zeng, Beibei Gu (co-supervision), Lan Cao, Guixia Chen, Longrong Chai (co-supervision), Min Yu (co-supervision)
REFeree	Energy Economics(3); International Review of Financial Analysis; Environmental Impact Assessment Review (2); Agribusiness (2); Applied Economics (2); Journal of Economic Asymmetries (2); Economics Letters; Environmental & Resource Economics; Canadian Journal of Agricultural Economics; Modern Economy & Management.
SERVICE	<ul style="list-style-type: none"> <li>• Chair, Master of Insurance Program Entrance Exam Committee (2024-present)</li> <li>• Reviewer, Hunan Natural Science Foundation (2024-2028)</li> <li>• Chief Expert, Hunan Smart Tourism Think Tank (2024-2030)</li> <li>• Director, Changsha-Zhuzhou-Xiangtan Urban Agglomeration Research Association (2024-2028)</li> <li>• Forestry Technology Expert, Changsha City Forestry Bureau (2024-2028)</li> <li>• Member, Undergraduate Studies Committee, Department of Economics (2023-present)</li> <li>• Area Coordinator: Econometrics, Department of Economics (2023-present)</li> <li>• Vice-chair, Entrance Exam Interview Committee, Department of Economics (2019-2021)</li> <li>• Member, Advisory Committee, Department of Economics (2018-present)</li> <li>• Vice-chair, Faculty Search Committee, Bangor College (2017-2019)</li> <li>• Director, Finance and Accounting Program, Bangor College (2015-2023)</li> <li>• Vice-chair, Teaching &amp; Learning Committee, Bangor College (2015-2023)</li> <li>• Vice-chair, Faculty - Student Liasion Committee, Bangor College (2015-2023)</li> <li>• Member, Research Committee, Department of Economics (2015-present)</li> </ul>
PROGRAMMING SKILLS	Python, R, Matlab, Stata and L <sup>A</sup> T <sub>E</sub> X

## REFERENCES

Alfons Weersink

Professor, AAEA & CAES fellow  
Department of Food, Agricultural  
and Resource Economics  
University of Guelph

Phone: (519) 824-4120 ext.52766  
E-mail: aweersin@uoguelph.ca

Alex Maynard

Professor  
Department of Economics  
and Finance  
University of Guelph

Phone: 612-626-9070 ext. 53014  
E-mail: maynarda@uoguelph.ca

Richard Vyn

Professor  
Department of Agriculture  
Dordt University

Phone: 712-722-6275  
E-mail: Richard.Vyn@dordt.edu

Getu Hailu

Professor  
Department of Food, Agricultural  
and Resource Economics  
University of Guelph

Phone: (519) 824-4120 ext. 53890  
E-mail: ghailu@uoguelph.ca

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