CURRICULUM VITAE

Personal Information				
Name	Hang Xiong	Gender	Male	
Position Title		Professor		
Working Department		Department of Economics		
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Research Interest

- Diffusion and adoption of agricultural innovations with a focus on digital technologies
- Simulation of farmers' decision-making and behavior mainly using agent-based modeling
- Policy analysis with coupled economic and environmental models
- Analysis of social networks in rural China

Professional Memberships

- European Social Simulation Association (ESSA)
- American Agricultural and Applied Economics Association (AAEA)

Other Roles

- Member of Committee of Agricultural Modelling and Simulation, China Simulation Federation
- Editorial board member of the journal JASSS (Journal of Artificial Societies and Social Simulation)
- Editorial board member of the journal RofASSS (Review of Artificial Societies and Social Simulation)
- Editorial board member of the journal Frontiers in Blockchain, editor-in-chief of its special issue Blockchain in Food and Agriculture
- Journal/Conference Reviewer: Journal of Artificial Societies and Social Simulation, Journal of Economic Behavior and Organization, Land Use Policy, Applied Geography, Nature Food, Journal of Behavior and Experimental Economics, Climate Change, Journal of Land Use Science, European Journal of Agronomy, Agricultural Water Management, Journal of Computational Economics and Econometrics, Journal of Chinese Economic and Business Studies, International Journal of Marketing Studies, Social Simulation Conference 2017, 2022

Education & Working Experience

Education
09/2011-03/2016 Ph.D. in Computational Social Science, University College Dublin, Ireland
09/2009-06/2016 M.A. in Management, Yangtze University, China
06/2002-06/2006 B.S. in Economics, Huazhong Agricultural University, China

Working Experience
10/2019-presen Deputy Dean of Macro Agriculture Research Institute, Huazhong Agricultural University
10/2018-present Professor of Economics at College of Economics & Management, Huazhong Agricultural University
01/2017-08/2018 Research fellow, Agricultural Economics and Policy Group, ETH Zurich
01/2017-12/2017 Visiting research associate, Department of Geography, King's College London
07/2016-12/2016 Research associate, Department of Geography, King's College London
10/2015-06/2016 Research assistant and postdoctoral researcher, School of Politics and International Relations, University College Dublin
09/2007-08/2009 Assistant Dean and Director of Teaching Office, International College, Yangtze University
07/2006-08/2009 Bilingual teacher in business courses, International College, Yangtze University

Publications

Peer-reviewed Journal Articles
1. Huber, R., **Xiong H.**, Keller, K. and Finger R.. 2021. Bridging behavioural factors and standard bio-economic modelling in an agent-based modelling framework, *Journal of Agricultural Economics*, 00:1–29.
2. **Xiong H.**, Dalhaus T., Wang P. and Huang J.. 2020. Blockchain Technology for Agriculture: Applications and Rationale, *Frontiers in Blockchain*, 3, 7.
3. **Xiong H.**, Payne D., and Kinsella S., 2018. Identifying Mechanisms Underlying Peer Effects on Multiplex Networks, *Journal of Artificial Societies and Social Simulation*, 21(4):6.
4. Huber, R., Bakker M., Balmann A., Berger T., Bithell M.,Brown C., Grêt-Regamey A., **Xiong, H.**, et.al. 2018. Representation of decision-making in European agricultural agent-based models, *Agricultural Systems*, 167,143-160.
5. **Xiong H.**, Millington J. and Xu W.. 2018. Trade in the telecoupling framework: Evidence from the metals industry, *Ecology and Society*, 23(1):11.
6. **Xiong H.**, Wang P. and Bobashev G.. 2018. Multiple Peer Effects in the Diffusion of Innovations on Social Networks: A Simulation Study, *Journal of Innovation and Entrepreneurship*, 7:5.
7. **Xiong H.**, Millington J. and Xu W.. 2017. Trade in the telecoupling framework: Evidence from the metals industry, *Social Science Electronic Publishing*, 23(1).
8. Millington J., **Xiong H.**, Peterson S. and Woods J.. 2017. Integrating Modelling Approaches for Understanding Telecoupling: Global Food Trade and Local Land Use, *Land*, 6(3), 56
9. Cai J. and **Xiong H.**. 2017. An agent-based simulation of cooperation in the use of irrigation systems, *Complex Adaptive Systems Modeling*, 5:9.
10. **Xiong H.** and Payne D. 2017. Characteristics of Chinese Rural Network: Evidence from

Villages in Central China, *Chinese Journal of Sociology*, 3(1) 74-97.

11. **Xiong H.**, Kinsella S. and Payne D.. 2016. The Self-Enforcing Agreement in Cooperative Teams: An Agent-Based Modelling Approach, *Complex Adaptive Systems Modeling*, 4:21.

12. **Xiong H.**, Xiong P. and **Xiong H.**. 2016. Kinship Network Generator: A Tool for Converting Kinship Ties into Adjacency Matrices, *Journal of Open Research Software*, 4(1).

13. **Xiong H.**, Wang P. and Zhu Y.. 2016. Diffusion on social networks: Survey Data from Rural Villages in Central China, *Data in Brief*, 7: 546–550.

14. **Xiong H.,** Payne D. and Kinsella S.. 2016. Peer Effects in the Diffusion of Innovations: Theory and Simulation, *Journal of Behavioral and Experimental Economics*, 63: 1-13.

Peer-reviewed Journal Articles (in Chinese)

15. Xiong H., Ju C., Li L. and Tu T.. 2022. Discipline Attributes, Research Method System and Typical Research Fields of Computational Economics, *Economic Review*, 03(2022):146-160

16. Hu C., Huang H., Xiong H.*, Jia C.. 2020. Factors Affecting Farmers' Adoption of Agricultural Technologies: Meta-analysis on Empirical Studies in 2000-2019, *World Agriculture*, (12):48-59.

17. Zheng X., **Xiong H.***. 2020. How the Blockchain Technology Facilitate Data to Realize Value: the Case of Food Supply Chain, *Journal of Agricultural Big Data*, (03):13-20.

18. Wang P., Xiang Q., **Xiong H.** and Wang Z. 2019. Application of Blockchain Technology in Food Safety Management, *Journal of Agrotechnical Economics*, (09):82-90.

19. Li L., Ahrweiler P. and **Xiong H.**. 2017. Agent-based Computational Economics from the Neo-Schumpeterian Perspective, *Economic Perspectives*, 7: 137-147 (in Chinese).

20. Cai J. and **Xiong H.**. 2016. An Agent-based simulation of Self-organisation in Irrigation Management. *Journal of Agrotechnical Economics*, 7: 46-60 (in Chinese).

21. Wang P., **Xiong H.**, Qu X. and Chen C.. 2015. Structural Evolution of Supply Chains and Food Safety: A Simulation using NetLogo. *Journal of Agrotechnical Economics*, 8: 64-72 (in Chinese).

22. Li J. and **Xiong H.**, 2011. Study on Attributes of China's Food Price Changes based on Data of Food Price from 1996 to 2010, *Economic Management*, 33: 1-7 (in Chinese).

23. **Xiong H.** and Li D.. 2011. Empirical Analysis on Factors Affecting the Export of Virtual Water Based on Cross-sectional Data from 39 Countries, *Ecological Economy*, 6: 80-83 (in Chinese).

24. Li D., **Xiong H.** and Tang R.. 2010. Evaluation of the Prerequisite of Virtual Water Trade based on Agricultural Goods through Analytic Hierarchy Process, *Journal of Agritechnical Economics*, 9: 80-89 (in Chinese).

25. **Xiong H.**, Lv X. and Liu X.. 2007. A Study on Driving Forces of Cultivated Land Change in Xinzhou County of Wuhan City, *Resource Development & Market*, 23: 298-302 (in Chinese).

26. **Xiong H.**. 2007. Analysis on the Comparative Advantage of the Farm Products based on Virtual Water, *Practice in Foreign Economic Relations and Trade*, 2: 25-28 (in Chinese).

27. **Xiong H.,** Yi F. and Li Z.. 2005. Analysis on the Efficiency of Circulation of Vegetable in Wuhan City, *Rural Economy and Science & Technology*, 8: 22-24 (in Chinese).