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Professional Experience

Associate Professor, Department of Economics, University of Macau, 2023–present.
Assistant Dean, Faculty of Social Sciences, University of Macau, 2024–present.
Assistant Professor, Department of Economics, University of Macau, 2017–2023.
Assistant Professor, School of Economics, University of Nottingham Ningbo China, 2013–2017.
Research Associate, Business School and School of Economics, University of Sydney, 2012–2013.

Education

Ph.D. in Economics (Highest Distinction), University of Sydney, 2008–2012,
Title of Thesis: Economic Growth under Endogenous Technological Change and Time Preference:
Empirical Evidence from Selected OECD Countries
Master of Economics (Honours Class I), University of Sydney, 2007–2008.
Bachelor of Commerce (Economics), University of Canterbury, 2004–2006.

Fields of Interest

Economic Growth, Innovation, Intellectual Property Rights, Monetary and Fiscal Policies, Environmental Policy, International Economics, Digital Economy.

Academic Recognitions

IDEAS/RePEc Rankings among the Top 10% Economists (Last 10 Years Publications).
Associate Fellow, Higher Education Academy, 2016.

Fellowships

Research Team Member, Asia Pacific Academy of Economics and Management, 2021–2024.

Editorial Positions

Economic Analysis and Policy, Associate Editor, 2024–present.
Economic Modelling, Associate Editor, 2021–present.

Other Professional Positions

Visiting Scholar, Department of Economics, Macquarie University, 2019, 2023, 2024, 2025.
Visiting Scholar, Lingnan (University) College, Sun Yat-sen University, 2020.
Visiting Scholar, School of Economics, University of Sydney, 2016, 2019.
Visiting Scholar, Institute of Economics, Academia Sinica, 2016.
Visiting Fellow, Management School, University of Liverpool, 2015.

Publications

Publications in Journals

1. Innovation, Technology Transfer and the International Regulation of Patents and Trade Secrets
Journal of Economic Behavior and Organization, 2025, 236: 107090 (with Michael Klein).
2. Inflation and Inequality in an Open-Economy Growth Model with Liquidity Constraints on R&D
Journal of International Money and Finance, 2024, 147: 103127 (with Ruiyang Hu, Jian Wang and Zhijie Zheng).
3. Monetary Policy in a Schumpeterian Economy with Endogenous Fertility and Human Capital Accumulation
Journal of Macroeconomics, 2024, 80: 103601 (with Wei Song).
4. Intellectual Property Rights, Taxation, and Firms' Innovation: Theory and Evidence from China
Journal of Economics, 2024, 142: pp. 81–109 (with Rongxin Xu and Zhijie Zheng).
5. Blocking Patents, Rent Protection and Economic Growth
Review of Economic Dynamics, 2024, 52: pp. 1-20. (with Michael Klein).
6. Environmental Regulation Stringency and Allocation between R&D and Physical Capital: A Two-Engine Model
Journal of Economic Behavior and Organization, 2023, 216: pp. 733-753 (with J.-J. Chang, C.-Y. Huang and C. Y. Wong).
7. Effects of Subsidies on Growth and Welfare in a Quality-Ladder Model with Elastic Labor
Journal of Public Economic Theory, 2023, 25(5): pp. 1096-1137 (with Ruiyang Hu and Zhijie Zheng).
8. Monetary Policy in a Schumpeterian Growth Model with Vertical R&D Sectors
Journal of Money, Credit and Banking, 2023, 55(6): pp. 1569-1607 (with C.-Y. Huang, Y. Wu and Z. Zheng).
9. Patent Protection and Income Inequality in a Model with Two Growth Engines
Economic Modelling, 2023, 123: 106280 (with Ruiyang Hu and Zhijie Zheng).
10. Effects of R&D Policy on Income Inequality in a Growth Model with Heterogeneous Assets and Skills
Economics Letters, 2022, 213: 110371 (with Ying Tung Chan and Zhijie Zheng).
11. Inflation, Endogenous Quality Increment, and Economic Growth
Mathematical Social Sciences, 2021, 114: pp. 72-86 (with Ruiyang Hu and Zhijie Zheng).
12. Inflation and Growth: A Non-Monotonic Relationship in an Innovation-Driven Economy
Macroeconomic Dynamics, 2021, 25(5): pp. 1199-1226 (with Chien-Yu Huang and Zhijie Zheng).
13. Welfare Effects of Patent Protection in a Growth Model with R&D and Capital Accumulation
Macroeconomic Dynamics, 2021, 25(2): pp. 579-602.
14. Patent Protection, Innovation, and Technology Transfer in a Schumpeterian Economy
European Economic Review, 2020, 129: 103531 (with Chien-Yu Huang and Zhijie Zheng).
15. Inflation and Income Inequality in a Variety-Expansion Growth Model with Menu Costs
Economics Letters, 2020, 194: 109373 (with Tapas Mishra and Zhijie Zheng).
16. On the Optimality of IPR Protection with Blocking Patents
Review of Economic Dynamics, 2018, 27: pp. 205-230.
17. The Growth and Welfare Analysis of Patent and Monetary Policies in a Schumpeterian Economy
International Review of Economics and Finance, 2017, 52: pp. 409-426 (with C.-Y. Huang and C.-C. Cheng).
18. Domestic R&D, Foreign Direct Investment, and Welfare
Review of Development Economics, 2015, 19(4): pp. 908-924.
19. The Impact of Resale on Entry in Second Price Auctions
Mathematical Social Sciences, 2013, 66(2): pp. 163-168 (with Xiaogang Che and Peter Lee).
20. Optimal Patent Policy, Research Joint Ventures, and Growth
Economics Letters, 2013, 118(2): pp. 381-384.
21. Patent Protection with a Cooperative R&D Option
Economics Letters, 2012, 116(3): pp. 469-471 (with Xiaogang Che).

Publications in Chinese

1. Tax Burden, R&D Subsidies and Innovation-Driven Long-Term Economic Growth
Economic Research Journal 《经济研究》, May 2021, pp. 40-57 (with Yuelin Liu).

Chapters in Books

Major Factors Behind Regional Disparity of Economic Growth in China During 1996-2010, in *Inclusive Growth and Development in the 21st Century: A Structural and Institutional Analysis of China and India*, World Scientific Publishing Co. (with Dilip Dutta).

Working Papers

1. Patents and Subsidies in a Schumpeterian Economy with Licensing
(with Hung-Ju Chen and Lyu Li).
2. Patents, Secrecy, and Financing Innovation
(with Michael Klein).
3. Dynamically Optimal Fertility Subsidy: A Policy to Escape from the Empty Planet
(with Wei Song).
4. Intellectual Property Rights Protection and Self-Selection into Entrepreneurship: Evidence from China
(with Ruiyang Hu, Mingqin Wu, and Zhijie Zheng).
5. Patents, Innovation, and Imitation in a North-South Model with Increasing Product Variety
(with Ut Meng Ho).
6. Inflation, Innovation, and Technology Transfer in an Open Economy with Variety Expansion
(with Hung-Ju Chen, Hao Guo and Chien-Yu Huang).

Work in Progress

Monetary Policy in a Variety-Expansion Growth Model with External Habit Formation.

Optimal Subsidies in an Open Economy with Endogenous Growth.

Patent Protection and Economic Growth in a Data Economy.

Data Rights and Economic Growth.

Teaching Experience

Methods of Economic Research, University of Macau, 2025.

Mathematics II, University of of Macau, 2019–2020, 2022–2025.

Mathematics I, University of Macau, 2017–2023, 2025.

Advanced Topics in Economic Theory, University of Macau, 2018, 2020.

Macroeconomic Theory, University of Nottingham Ningbo China, 2017.

Advanced Macroeconomics, University of Nottingham Ningbo China, 2016.

Industrial Organisation, University of Nottingham Ningbo China, 2014–2016.

Microeconomic Theory, University of Nottingham Ningbo China, 2013–2015.

Grants

APAEM Seed Grant, University of Macau, 2024 (amount: MOP65,000).
 General Program Grant, National Natural Science Foundation of China, 2024–2027 (amount: RMB390,000)
 APAEM Seed Grant, University of Macau, 2023 (amount: MOP70,000).
 Research Grant, Department of Science and Technology of Guangdong, 2022–2024 (amount: RMB100,000).
 APAEM Seed Grant, University of Macau, 2021–2022 (amount: MOP200,000).
 Start-up Research Grant, University of Macau, 2017–2020 (amount: MOP150,000).
 Small Research Grants, University of Nottingham Ningbo China, 2014–2016.

Scholarships and Awards

Best Teaching Award, Centre for Continuing Education, University of Macau, 2020–2022.
 Outstanding Teaching Award, Faculty of Social Sciences, University of Macau, 2021–2022.
 Emerging Scholar Award, Faculty of Social Sciences, University of Macau, 2019–2020.
 Walter Noel Gillies Prize for Best PhD Thesis in Economics, University of Sydney, 2012.
 PreDoc Funding Award, University of Sydney Business School, 2012.
 Tuition Faculty Research Scholarship, University of Sydney, 2008–2010.
 Jing-shu Ji Prize, Faculty of Economics and Business, University of Sydney, 2007.

Presentations (completed and scheduled)

2024: Chongqing University, Macquarie University, University of Southern Queensland, Monash University, University of Western Australia, AMES-E/SE (Ho Chi Minh City), University of Sydney, ACE (Adelaide), University of Nottingham Ningbo China.

2023: HKEA Biennial Conference (Hong Kong), South China Normal University, ESAM (Sydney), China Economics Annual Conference (Guangzhou), Beijing Normal University.

2022: Beijing Institute of Technology, Zhejiang University of Finance and Economics, CES Conference (online), Southwestern University of Finance and Economics.

2021: Asia-Pacific Innovation Conference (online), Waseda University, CICM (online), BNU-HKBU United International College.

2019: Macau University of Science and Technology, Lingnan Macroeconomic Meeting (Guangzhou), ESAM (Perth).

2018: CEC Seminar (Zhuhai), Nanjing Audit University, Fudan University, WCERE (Gothenburg), GEP-China Workshop (Ningbo), Sun Yat-sen University.

2017: Lingnan Macroeconomic Meeting (Guangzhou), CMES (Wuhan), HenU/INFER Workshop on Applied Macroeconomics (Kaifeng).

2016: DEGIT (Nottingham), GTD Conference (Taipei), CES Conference (Shenzhen).

2015: Zhejiang University, Southwestern University of Finance and Economics.

2014: Shanghai University of Finance and Economics, ESAM (Hobart), CMES (Xiamen), CES Conference (Guangzhou), CTRG Meeting (Chengdu).

2013: GEP China Conference (Ningbo).

2012: ESAM (Melbourne).

2011: ACE (Canberra), CEA Conference (Ottawa), Midwest Macroeconomics Meetings (Nashville).

2010: International Conference on Applied Business & Economics (A Cornūa), EARIE Conference (Istanbul), Socio-Economic & Political Analysis of Contemporary China & India (Sydney).

2009: Macquarie University.

University Services

University Teaching Excellence Award Selection Committee, University of Macau, 2024.
 Postgraduate Admission Committee, Department of Economics, University of Macau, 2018–present.
 PhD Coordinator, Department of Economics, University of Macau, 2021–2024.
 Executive Committee, Centre for Continuing Education, University of Macau, 2021–2025.
 Recruiting Committee, Department of Economics, University of Macau, 2021, 2023, 2024.
 Organizer, Conference in Macroeconomics, University of Macau, 2021, 2022.
 PhD Coordinator, School of Economics, University of Nottingham Ningbo China, 2013–2017.
 Organizer of GEP China Seminars, University of Nottingham Ningbo China, 2013–2017.

Doctoral Supervision

Supervisor of Kai Yi, University of Macau (Doctor of Public Administration). Ongoing.
 Supervisor of Yuhang Yuan, University of Macau (PhD in Economics). Ongoing.
 Supervisor of Wei Song, University of Macau (PhD in Economics). Ongoing.
 Supervisor of Li Lyu, University of Macau (PhD in Economics). Ongoing.
 Supervisor of Ut Meng Ho, University of Macau (PhD in Economics).
 Graduation: 2023. Current Position: Postdoctoral Fellow at University of Edinburgh.
 Co-Supervisor of Ayana Zewdie Workneh, University of Macau (PhD in Economics).
 Graduation: 2023. Current Position: Technical Advisor at UN Industrial Development Organization.
 External Supervisor of Zhijie Zheng, Southwestern University of Finance and Economics.
 Graduation: 2019. Current Position: Associate Professor at Beijing Normal University at Zhuhai.

Selected Referee Services

Applied Economics, Applied Economics Letters, British Journal of Management, Bulletin of Economic Research, Canadian Journal of Economics, China Economic Review, Economic Analysis and Policy, Economic Inquiry, Economic Modelling, Economic Record, Economic Theory, Economics Letters, Economics of Transition and Institutional Change, European Journal of Political Economy, International Economic Review, International Journal of Economic Theory, International Review of Economics and Finance, International Tax and Public Finance, Journal of Economic Theory, Journal of International Money and Finance, Journal of Macroeconomics, Journal of Money, Credit and Banking, Macroeconomic Dynamics, Mathematical Social Sciences, Review of Development Economics, Review of Economic Dynamics, World Economy.

Skills

Software: MATLAB, Mathematica, Stata, L^AT_EX.

Languages: Cantonese (native), Mandarin (native), English (fluent).

References

Available upon request.