

Ruo (Alex) Jia 贾若

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Working Experience

- 2019.9-present *Associate Professor of Insurance, tenured since 2022.8, Ph.D. Supervisor*
- 2016.9-2019.8 *Assistant Professor of Insurance*
Dept. of Risk Management and Insurance, School of Economics, Peking University
Deputy Director (2022-), China Center of Actuarial Science Development, PKU
Collaborating Expert (2022-), New Technology & Data, Geneva Association
Supervisor (2020-), Board of Supervisors, Shanghai Renaissance Insurtech Ltd.
Consulting Expert (2017-), Insurance Solvency Expert Committee,
China Banking and Insurance Regulatory Commission
- 2010.9-2013.8 *Casualty Underwriter, Graduate@SwissRe / Associate / Assistant Vice President*
Swiss Reinsurance Company Ltd., Zurich, Beijing, and Singapore
Treaty and facultative reinsurance underwriting, pricing, and client management
Specialized in motor, liability, and accident lines of business

Education

- 2013.9-2016.7 **Ph.D. in Finance**, specialization in Insurance Economics, University of St. Gallen
Supervised by *Prof. Dr. Martin Eling*, co-supervised by *Prof. Dr. Roland Füss*
- 2008.9-2010.7 **M.Sc. in Finance**, specialization in Insurance, Peking University
- 2004.9-2008.7 **B.Sc. in Insurance**, Peking University
- 2005.9-2008.7 **B.A. in International Relations and Foreign Affairs**, Peking University
- 2007.6-2007.8 PKU-YALE Exchange Program, Yale University

Research Interests

Insurance Economics

- Insurtech (big data, impact of digital technology, machine learning)
- Insurance institution and regulation (solvency regulation, systemic risk, insurer performance)
- Information asymmetry (dynamic contract, group insurance)
- Public-private partnership (pension, social security, catastrophe insurance)

Teaching Courses

- Insurance Operation (Undergraduates and Graduates, 2016-present)
- Insurance Topics: Theory and Global Practice (Graduates, 2022-present)
- Insurance Law (Undergraduates, 2017-present, **PKU Excellence in Teaching Innovation**)
- Property and Casualty Insurance (Undergraduates, 2017-present)
- Executive Education (2018-present): Insurance Regulation, Insurance Contract, Insurance Globalization, Pandemic Catastrophe Risk Management, Insurance Underwriting
- PKU-TSU-RUC joint seminar on Economics of Risk, Insurance, and Uncertainty (G, 2021-present)

Editorial Services

- Associate Editor, *European Journal of Finance* (SSCI)
- Member of Editorial Board, *Geneva Papers on Risk and Insurance-Issues and Practice* (SSCI)
- Associate Editor, *Risk Management and Insurance Review*
- Member of Editorial Board, *China Finance Review International*

Peer-reviewed Journal Articles

1. Technology Heterogeneity and Market Structure, with Martin Eling, Jieyu Lin, Casey Rosthchild, *Journal of Risk and Insurance*, 89(2), 427-448, 2022
2. The Impact of Expected Pensions on Consumption: Evidence from China, with Wei Zheng, Youji Lyu, Katja Hanewald, *Journal of Pension Economics and Finance*, forthcoming, 2022
3. The Magic Triangle: Growth, Profitability and Safety in the Insurance Industry, with Martin Eling, Philipp Schaper, *Geneva Papers on Risk and Insurance - Issues and Practice*, 47(2), 321-348, 2022
4. Why is Inequality Higher among the Old? Evidence from China, with Katja Hanewald, Zining Liu, *China Economic Review*, 60, 101592, 2021
5. Globalization: Blessing or Curse? Evidence from the Insurance Industry, with Christian Biener, Martin Eling, *European Journal of International Management*, 15(2/3), 457-483, 2021
6. Insurer Commitment and Dynamic Pricing Pattern, with Zenan Wu, *Geneva Risk and Insurance Review*, 44(1): 87-135, 2019, **Cao Fengqi Youth Scholar Award**
7. Global Consistent or Market-Oriented? A Quantitative Assessment of RBC Standards, Solvency II, and C-ROSS, with Shuyan Liu, Yulong Zhao, Qixiang Sun, *Pacific-Basin Finance Journal*, 57: 101037, 2019, **China International Risk Forum-Pacific Basin Finance Journal Research Excellence Award**
8. How Private Sector Participation Improves Retirement Preparation: A Case from China, with Wei Zheng and Zining Liu, *Geneva Papers on Risk and Insurance - Issues and Practice*, 44(1): 123-147, 2019
9. Efficiency and Profitability in the Global Insurance Industry, with Martin Eling, *Pacific-Basin Finance Journal*, 57: 101190, 2019
10. Business Failure, Efficiency, and Volatility: Evidence from the European Insurance Industry, with Martin Eling, *International Review of Financial Analysis*, 59(1): 58-76, 2018
11. Between-Group Adverse Selection: Evidence from Group Critical Illness Insurance, with Martin Eling and Yi Yao, *Journal of Risk and Insurance*, 84(2): 771-809, 2017
12. The Structure of the Global Reinsurance Market: An Analysis of Efficiency, Scale, and Scope, with Christian Biener and Martin Eling, *Journal of Banking and Finance*, 77(1): 213-229, 2017

13. Recent Research Developments Affecting Non -Life Insurance: The CAS Risk Premium Project 2014 Update, with Martin Eling, *Risk Management and Insurance Review*, 20(1): 63-77, 2017
14. 《家庭金融参与中的信任重建：来自农村社会养老保险的证据》，合作者高明、艾美彤，《**经济研究**》，2021年第8期，174-191页
15. 《农业保险大灾风险分散体系：评估框架与国际比较》，合作者郑伟、郑豪、陈广，《**农业经济问题**》，2019年第9期，121-133页
16. 《医疗保险、健康异质性与精准脱贫》，合作者刘子宁、郑伟、景鹏，《**金融研究**》，2019年第5期，56-75页，**封面文章**
17. 《保险机制能否助推脱贫并守住脱贫成果》，合作者景鹏、郑伟、刘子宁，《**经济科学**》，2019年第2期，104-116页，**人大复印资料全文转载**
18. 《金融业资本监管制度的评估框架》，合作者刘淑彦、孙祁祥，《**北京大学学报（哲学社会科学版）**》，2019年第1期，137-148页
19. 《保险扶贫项目的评估框架及应用——基于两个调研案例的分析》，合作者郑伟、景鹏、刘子宁，《**保险研究**》，2018年第8期，13-20页，**封面文章，年度最佳论文奖第一名**
20. 《量化供给侧指标对寿险消费的影响——基于寿险供给质量、动能和效率的视角》，合作者范庆祝、孙祁祥，《**金融研究**》，2017年第9期，115-129页
21. 《OTC 金融衍生交易的市场风险、定价风险与交易公平性之间的关系》，《**金融法苑**》，2009年第2期，147-158页
22. 《中国巨灾风险管理的制度研究》，合作者刘新立、罗忠敏、张文渊，《**保险研究**》，2008年增刊，11-33页
23. 《道路交通事故中的侵权责任与责任保险》，合作者李响，《**保险研究**》，2007年第8期，21-23页

Working Papers

24. Adverse Impact of Regulatory Reform and Policy Remedy: Theory and Evidence, with Zenan Wu, Yulong Zhao
[*Geneva Risk and Insurance Review*, RNR, 2022], presented at ASSA 2021
25. Regulatory Inconsistency and Shadow Insurance? The Impact of Solvency II on the U.S. Insurance Market, with Chotibhak (Pab) Jotikasthira, Shuyan Liu, Jinjing Wang, Jianren Xu, presented at ARIA 2021
Harold D. Skipper Award for the 2020 APRIA Best Conference Paper @ WRIEC 2020
26. Catastrophe Risk-Sharing Decisions of Individuals, Insurer, and Government, with Jieyu Lin, Michael R. Powers, Hanyang Wang, presented at ARIA 2019
27. Health and Pension Participation: A New Perspective on Annuity Puzzle, with Meitong

Ai, Ming Gao, presented at ARIA 2022

28. Do Solvency Capital Requirements Reduce Systemic Risk? Evidence from the U.S. and European Union, with Hua Chen, Shuyan Liu, presented at ARIA 2018

29. Data-enriched Prediction of Insurance Risks, with Shaoran Li, Ye Yin, presented at APRIA 2022

30. I for you, you for me: Motivated Beliefs and Insurance Decisions Between Spouses, with Chang Zhang, Jiakun Zheng, presented at CFRC 2022

31. Extreme Temperature and Health Insurance Demand, with Yanran Chen, Xuezheng Qin, 2022

Industry Reports

32. The Magic of Insurtech, with Jieyu Lin, Meitong Ai, Chang Zhang, Ye Yin, Cancun He, *Industry Report Sponsored by Shanghai Renaissance Insurtech*, 2022

33. Insurance in Poverty Reduction: A Case from China, with Wei Zheng, Peng Jing, and Zining Liu, *Industry Report Sponsored by Swiss Re Institute*, 2018

34. Report on Chinese Outbound Travelling Risk, with Wei Zheng, Wenyuan Wang, Bowen Zhu, and Chunyan Lei, *Industry Report Sponsored by Allianz Worldwide Partners*, 2018

Grants

Public Funding

2022.1-2025.12 *Insurance Solvency Regulation and Insurer Risk Decision*, **Natural Science Foundation of China**

2018.1-2020.12 *Globalization of Insurance Regulation and Systemic Risk*, **Natural Science Foundation of China**

2019.2-2019.8 *Consistency of SARMRA Evaluation in C-ROSS*, **China Banking and Insurance Regulatory Commission**

2017.6-2018.7 *Catastrophic Risk Diversification System of Agricultural Insurance: An International Comparison*, **China Banking and Insurance Regulatory Commission**

2022.3-2023.9 *Reform and Development of the Chinese Social Security System: 2012-2022*, **Social Insurance Society of China**

2022.4-2022.12 *Institutional Interactions in Catastrophe Risk Management System*, **Insurance Society of China**

Private Funding

2021.1-2022.12 *Insurtech, Machine Learning, and Value of Clients*, **Shanghai Renaissance Insurtech**

2017.12-2018.6 *Study on Chinese Outbound Travelling Risk*, **Allianz Worldwide Partners**

2016.12-2018.6 *Insurance in Poverty Reduction: A Case from China*, **Swiss Re Management**

Peking University Funding

2020.5-2021.6 *Insurance Law Education for Insurance-major Students*, teaching grant for undergraduate course, **PKU Excellence in Teaching Innovation**

2020.3-present *COVID-19 Emergency Project on Risk Management of Pandemic Catastrophe Risk*

2019.3-2020.3 *Experiments and Simulation of Insurance Operation*, teaching grant for graduate course

2018.3-2019.12 *Development Program on Management and Supervision of Systemic Risk*

2016.11-present, School of Economics Research Seeds Fund, renewed for 8 times

Selected Plenary Talks

- Annual Conference of **Asia-Pacific Risk and Insurance Association**, 2022, *The Impact of Insurtech: Theory and Evidence*
- Annual Conference of China Association of Insurance Law, 2021, *Solvency Regulation: International Comparison and Empirical Analyses*
- China International Conference on Insurance and Risk Management (CICIRM), 2020-2021, *Adverse Impacts of Regulatory Reform*
- **ARIA-ASSA**, 2021, *Adverse Impacts of Regulatory Reform: Theory and Evidence*
- Korean Insurance Academic Association, 2020, *Mobile Insurance Education*
- Joint Seminar of Modern Risk Society, Quantitative Finance Committee, and Sina Finance, 2020, *Loan Prime Rate and Liberalization of Interest Rate*
- SOE-PKU New Year Forum @Asia Society, New York: China and World Economy, 2018, *Insurance Solvency Capital Regulation in the U.S., EU, and China*
- **Risk Theory Society**, 2018, *It is all about speed and costs: Technology heterogeneity and market structure (presented by Casey Rothschild)*
- **Risk Theory Society**, 2017, *Insurer Commitment and Dynamic Pricing Pattern*

Referee Services

Journal of Risk and Insurance, *Geneva Papers on Risk and Insurance - Issues and Practice*, *North American Actuarial Journal*, *Scandinavian Actuarial Journal*, *Journal of Insurance Regulation*, *Journal of Insurance Issues*, *Risk Management and Insurance Review*, *Asia-Pacific Journal of Risk and Insurance*

Journal of Banking and Finance, *Journal of Empirical Finance*, *International Review of Financial Analysis*, *Journal of Financial Stability*, *European Financial Management*, *European Journal of Finance*, *Pacific – Basin Finance Journal*, *International Journal of Banking, Accounting and Finance*, *Emerging Markets Finance and Trade*

Annals of Operations Research, *Omega*, *Review of Managerial Science*, *Eurasian Business Review*, *International Journal of Emerging Markets*, *Economic Analysis and Policy*, *China and World Economy* 《经济研究》、《经济学（季刊）》、《金融研究》、《经济科学》

Services

- Member (2017-2022), **Risk Theory Society**
- Board of Governors (2018-2021), Asia-Pacific Risk and Insurance Association
- Project Manager (2017), Application for Global Centers of Insurance Excellence (GCIE)
- Member (2018-present), Research Committee, School of Economics, Peking University
- Founding Director (2017-present), Modern Risk Society
- Membership Committee (2018-2019), Les. B. Strickler Teaching in Innovation Award Committee (2016-2018), American Risk and Insurance Association
- Consultant on Economics Subjects (2016-present), Peking University Library
- Head Teacher (2017-2022), School of Economics, Peking University

Awards

- Excellence in Teaching Award, Peking University, 2021
- Excellence in the Undergraduate Course Reform Project, 2021
- **Harold D. Skipper Award for the 2020 APRIA Best Conference Paper @WRIEC 2020**
- Cao Fengqi Young Scholar Research Excellence Award in Finance, 2020 (Top 2 Young Finance Scholars in Peking University)
- PwC3535 Best Paper Award, 2020 (Top 35 Finance Papers by young Chinese scholars)
- Award for Outstanding Contributions in Teaching and Research, School of Economics, Peking University, 2018, 2019
- Excellent Head Teacher, Peking University, 2019
- Best Paper Award, *Insurance Studies (in Chinese)*, 2018
- China International Risk Forum-*Pacific Basin Finance Journal* Research Excellence Award, 2017
- First Class Best Paper Award, 9th China Insurance Education Forum, 2017
- Best Paper Award, 14th PKU-CCISSR Forum (in Chinese), 2017
- **Les B. Strickler Innovation in Instruction Award, American Risk and Insurance Association, 2016**
- Excellent Teaching Skill Award, Peking University, 2016

Technical Papers, Media Articles, and Policy Papers

35. 20+ media articles in Columns in *Economic Daily* & *China Banking and Insurance News*
36. Two policy papers turned into actions by *China Banking and Insurance Regulatory Commission*
37. Darkness before Dawn: Legal and Public Policy Impact on Environmental Impairment Liability Insurance, [*Swiss Re technical paper*, 2012-02]
38. IFRS and Solvency II – Alignments, Synergies and Differences, with coauthors [*Swiss Re technical paper*, 2012-02]
39. Product Recall – A Looming Threat for All Manufacturers, with Nick Sordon and Takahiro Ohashi [*Swiss Re technical paper*, 2011-12]

Ph.D. Supervision

- Meitong Ai, 2019-present, social security, pensions
- Chang Zhang, 2020-present, insurance behavioral economics
- Ye Yin, 2021-present, insurtech, information asymmetry
- Canchun He, 2022-present, insurer failure, machine learning

Personal

- Passed the BAR in China (2008), specialized in insurance law
- English (proficient), German (basic), Mandarin Chinese (native)
- STATA (advanced), Excel (advanced), R (Basic)