

Curriculum Vitae

Rongzhu Ke

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EMPLOYMENT

2020-Present: Professor, School of Economics, Zhejiang University

2017-2020: Assistant Professor, School of Business, Hong Kong Baptist University

2009-2016: Assistant Professor, Department of Economics, the Chinese University of Hong Kong

RESEARCH INTEREST

Primary Fields: Applied Micro Theory, Applied Econometrics

Secondary Fields: Organizational Economics, Political Economy

EDUCATION

2004-2009: Ph.D. in Economics, MIT, Cambridge, MA, USA.

1998-2001: M.A in Economics, Zhejiang University, Zhejiang, China.

1994-1998: B.A. in Economics, Zhejiang University, Zhejiang, China.

TEACHING

ZJU-ECO-01186130: Advanced Micro-economics

HKBU-ECON3007: Industrial Organization and Business Decision

HKBU-ECON7487: Industrial Organization

CUHK-ECON2011: Basic Microeconomics

CUHK-ECON8006: Graduate Thesis Research

CUHK-STOT4901: Guided Research for Senior Students

CUHK-ECON5011: Advanced Microeconomic Theory

SELECTED PUBLICATIONS IN ENGLISH

1. Ke, R., J. Li and M. Powell, 2018. "[Managing careers in organizations](#)", *Journal of Labor Economics* 36 (1): 197-252.
2. Ke, R. and Ryan C., 2018. "[A general solution method for moral hazard problems](#)", *Theoretical Economics*, 13 (3):1425-1481.
3. Ke, R. and Ryan C., 2018. "[Monotonicity of optimal contracts without the first-order approach](#)", *Operation Research* 66 (4): 1101-1118.
4. Dai, T., Ke, R., and Ryan, C. 2021. "[Incentive Design for Operations-Marketing Multitasking](#)", *Management Science*, 67 (4) 2211-2230.
5. Ke, R., Yao, W. Ye, J.J. and J. Zhang, 2021. "[Generic property of the partial calmness condition for bilevel programming problems](#)", *SIAM Journal on Optimization*. Forthcoming.

REVISION AND RESUBMISSION

6. Ke, R., and Ryan, C. 2019. "A Penalty Function Approach to Necessary Optimality Conditions for Non-Convex Bi-level Optimization", invited for resubmission to *Mathematic Programming*.
7. Ke, R., and Xu, X. 2019. "The existence of optimal deterministic contracts in pure moral hazard problems", invited for resubmission to *Economic Theory*.

WORKING PAPERS

1. **Ke, R.** 2019. “Ranking Information Systems without First-Order Approach”
2. Li, J., Powell, M., and **Ke, R.** 2018. “Firm Growth and Promotion Opportunities”
3. **Ke, R.**, and Ryan, C. 2018. “Information-trigger Contract”
4. Fang, H., **Ke, R.**, and Zhou, L. 2015. “Rosca Meets Financial Market”, *NBER Working Paper 21683*.
5. **Ke, R.**, E. Zheng, and Z. Zhao, 2021. “Hiring managers”.
6. **Ke, R.**, Lu, Y., and Zhu, L. 2018. “Trade Reforms and Wage Dispersion: Workforce Composition or Rent Sharing”
7. **Ke, R.** 2018. “A Fixed-point Method for Validating the First-order Approach”
8. **Ke, R.** 2018. “Auctioning Social Surplus: The Best Possible Bayesian Mechanism with *ex post* Budget Balance”
9. **Ke, R.**, and Ryan, C. 2018. “Infinite-dimensional Duality without Global Concavity: Characterization and Continuity of Optimal Contracts”
10. **Ke, R.** 2018. “Optimal Wage Commitment under Career Concern”
11. **Ke, R.** 2018. “Non-parametric Identification of Moral Hazard Problems: First Order Approach and Statistical Inference”
12. Zheng, E., Huang, Y., **Ke, R.**, and Hong, W. 2018. “Self-undermining Institutions: The Increasing Network Effect Networks on Elite Recruitment between 1400-1580, China”. (AOM Proceedings, 2018)

RESEARCH IN PROGRESS

Agency-problem and State Capacity

- Addresses the agency problem in a large organization (e.g., a country’s bureaucracy)
- Focuses on its impact on economic performance and social structures

EDITORIAL AND REVIEW SERVICES

Co-editor of *Chinese Economics*, 2010, 2012, 2013, Shanghai Renmin Press.

Chief-editor of *Chinese Economics* 2009, 2011, Shanghai Renmin Press.

REFeree ACTIVITIES

RGC, Social Sciences and Humanities Research Council of Canada, Econometrica, Review of Economic Studies, International Economic Review, Journal of Labor Economics, POMs, Theoretical Economics, International Journal of Industrial Organization, Journal of Public Economic Theory, The BE Journal of Theoretical Economics

CONFERENCE AND SEMINAR PRESENTATIONS

1. “Ranking Information Systems without the First Order Approach”, *Econometrica Society China Meeting*, Shanghai University of Science and Technology, July, 2021.
2. “Ranking Information Systems without the First Order Approach”, *Econometrica Society Asia Meeting*, Xian University, June 24-26, 2019.
3. “The Casual Effect of Social Networks on Elite Recruitment: The Chinese Civil Service Examinations, 1400-1580”, Academy of Management Annual Meeting, Chicago, Aug 2018.
4. “Ranking Information System without the First Order Approach”, *PKU-NSD Microeconomics Workshop*, Peking University, Jun 2018.

5. “Informal and Form Institutions: The Case of ROSCA”, Panelist Speaker, Commemorating the 40th Anniversary of the Reform and Opening, *Allied Association of Social Science*, Zhejiang Province, May 2018.
6. “Contract Theory and Its Application to China’s Reform: Understanding the Incentive Policy”, *Department Seminar Series*, School of Economics, Zhejiang University, May 2018.
7. “Information-trigger Contracts”, *Lingnan Research Seminar Series in Economics, Finance, and Management*, Lingnan College, Sun Yat-sen University, Nov 2017.
8. “Information-trigger Contracts”, *Quantitative and Behavioral Economics Seminar Series*, Johns Hopkins University, Oct 2017.
9. “Information-trigger Contracts”, *Joint CICER & Industrial Organization Workshop*, Cornell University, Sep 2017.
10. “A general solution method for moral hazard problems”, the 10th Bi-annual Conference on Mechanism Design, York University, June 2017.
11. “Trade Reforms and Wage Dispersion: Workforce Composition or Rent Sharing?”, *the Joint 2017 Conference on Entrepreneurship, Innovation and Development*, Peking University, June 2017.
12. “A General Solution Method for Moral Hazard Problems”, *The Econometric Society Asian Meeting*, Chinese University of Hong Kong, June 2017.
13. “Optimality of Quota-Bonus Contract”, *PKU-NSD Microeconomics Workshop*, Peking University, May 2017.
14. “Monotonicity of Optimal Contract without the First-order Approach”, *IOMS Working-shop*, Hong Kong University of Science and Technology, June 2016.
15. “Rosca Meets Formal Financial Market”, *Departmental Seminar of Economics*, School of Economics and Management, Tsinghua University, April 2016.
16. “Rosca Meets Formal Financial Market”, *Economics Seminar*, University of Hong Kong, Nov 2015.
17. “Non-parametric identification of moral hazard problems,” *Econometric Society China Meeting*, Xiamen University, June 2014.
18. “A general solution method to moral hazard problems,” *Econometric Society China Meeting*, Peking University, June 2013.
19. “A fixed-point method for solving the principal-agent problems: beyond the first-order approach,” *Society for Advanced Economic Theory Conference*, Portugal, June 2011.
20. “A fixed-point method for validating the first-order approach,” *Econometric Society World Congress*, Shanghai, Aug 2010.
21. “Identifying contract optimality non-parametrically with moral hazard: first order approach and statistical inference,” *Econometric Society North America Summer Meeting*, Boston, June 2009.
22. “Identifying contract optimality without knowing functions: moral hazard and statistical inference I (parametric identification),” *Econometric Society North America Summer Meeting*, Pittsburgh, June 2008.

INVITED SEMINARS

University of Minnesota, Cornell University, Johns Hopkins University, University of California at Santa Barbara, National University of Singapore, Hong Kong University, Hong Kong University of Science and Technology, Peking University, Tsinghua University, City University of Hong Kong, National Taiwan University, Nanyang Tech. University, Zhejiang University, Shanghai University of Finance and Economics, Fudan University, Nanjing University, Shandong University, Lingnan University, Sun Yat-sen University, Academia Sinica.

VISITING EXPERIENCES

Yale Law School (2003), Lingnan University (2017), Peking University (2017), Booth School of Business, University of Chicago (2018).

GRANTS

1. NSFC Grant: “The Nature of Digital Platform and its Governance and Performance”, PI, 2022-2026.
2. NSFC Grant: “Research on the Trust Mechanism Based on Game Theory: a Network Approach”, Co-PI, 2019-2021.
3. HKBU Faculty Niche Research Area Grant: “Governance Structure, People Management, and Economic Performance”, Co-I, 2018-2020.
4. HKBU Faculty Research Grant: “Social Structure, State Capacity, and Agency Problem: An Investigation on Dynastic Circle.” PI, 2017-2018.
5. CUHK Direct Grant: “Optimal Mechanism Design for Rotating Savings and Credit Associations,” PI, 2009-2011.
6. RGC Grant: “Mutual Insurance with Private Known Shock: Optimal Mechanism Design for Rotating Savings and Credit Associations,” PI, 2011-2013, HKD 480,000.
7. CUHK Grant: “Focused Innovations Scheme (formerly known as Focused Investments Scheme) - Scheme B: Gene-Environment Interactions and the Dynamic Life-cycle Human Capital Formation: A Collection and Study of Longitudinal Child Twin Data,” participant, 2011-2014.
8. Yale University: “Gene-Environment Interactions and the Dynamic Life-cycle Human Capital Formation: A Collection and Study of Longitudinal Child Twin Data,” participant, 2011-2013.