

Xiao Luo (羅曉)

Associate Professor, NUS

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EDUCATION

Ph.D., Economics, McGill University, Canada, 2000

Ph.D., Systems Engineering, Huazhong University Science & Technology, China, 1992

RESEARCH INTERESTS

Game Theory, Economic Theory, Information Economics

ACADEMIC POSITIONS

Associate Professor (2008-present), Department of Economics, NUS

Associate Research Fellow (2004-2008), Institute of Economics, Academia Sinica, Taiwan

Assistant Research Fellow (2002-2003), Institute of Economics, Academia Sinica, Taiwan

Assistant Professor (2000-2002), Department of Economics, National Taiwan University

OTHER POSITIONS

Visiting Scholar (2014-2015), Northwestern University & McGill University

Visiting Associate Professor (2007-2008), Department of Economics, NUS

Visiting Scholar (2005-2006), Department of Economics, Harvard University

H.I.F. Fellow (1994-1995), Department of Economics, Hosei University, Japan

Assistant Professor (1992-1993), Department of Automation, Tsinghua University, China

RESEARCH INTERESTS

Game Theory; Economic Theory; Information Economics

TEACHING EXPERIENCES

Game Theory; Microeconomic Theory

HONORS AND AWARDS

2016-19: Research Grant (S\$40,990), NUS, Singapore
2012-15: Research Grant (S\$65,350), NUS, Singapore
2009-11: Research Grant (S\$25,000), NUS, Singapore
2000-08: Research Grants (NT\$7,176,912), NSC, Taiwan
2005-06: Visiting Fellowship (US\$14,660), NSC, Taiwan
2003: Wu Ta-Yu Memorial Prize (NT\$600,000), Taiwan
2002: Young Scientist's Publication Award (NT\$300,000), Taiwan
2000-03: (with Prof. C. Ma) Research Grant (£39,900), ESRC, UK
2000-02: Fellowship (CAN\$54,000), SSHRC, Canada
2000: Dean's Honor List, McGill University, Canada
1996-99: Doctoral Fellowship (CAN\$46,000), SSHRC, Canada
1995-98: Major Fellowship (CAN\$43,500), McGill University, Canada
1994-95: H.I.F. Fellowship (¥2,670,500), Hosei University, Japan

PROFESSIONAL ACTIVITIES

Editorial Board: *Theory and Decision*
Asian Journal of Management Science and Applications

Referee for: *Applications of Mathematics*, *B.E. Journal of Theoretical Economics*, *Economics Research International*, *Economic Theory*, *Economics: E-journal*, *Games and Economic Behavior*, *International Game Theory Review*, *International Journal of Business & Economics*, *Journal of Economic Behavior & Organization*, *Journal of Economic Dynamics & Control*, *Journal of Economic Theory*, *Journal of Mathematical Economics*, *Journal of Mathematical Sciences*, and *Theory & Decision*

Organizer: SAET Conferences 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2018 and 2019
Workshop on Matching, Search and Market Design 2018
International Conference on Economic Theory and Applications 2018
Asia Meeting of the Econometric Society 2013
China International Conference on Game Theory and Applications 2012
Asian Workshops on General Equilibrium Theory 2005, 2006, 2007, 2008 and 2010
Singapore Economic Theory Workshop 2008
Pan-Pacific Game Theory Conferences 2004, 2005, 2006 and 2007
Asian Decentralization Conference 2007
Workshop on Game Theory & Economic Theory 2004
Taiwan Game Theory Research Group

SELECTED PUBLICATIONS

(in journals)

1. "A revelation principle for correlated equilibrium under trembling-hand perfection," (Y.C. Qiao and Y. Sun), forthcoming in: *Journal of Economic Theory*.
2. "An epistemic characterization of MACA," (with W. Ben), forthcoming in: *Economic Theory*.
3. "The algebraic geometry of perfect and sequential equilibrium: an extension," (with X.W. Qian and Y. Sun), *Economic Theory* **71** (2021), 579-601.
4. "Iterated elimination procedures," (with X.W. Qian and C. Qu), *Economic Theory* **70** (2020), 437-465.
5. "Corrigendum to "Rationality and coherent theories of strategic behavior" [J. Econ. Theory 70 (1) (1996), 1-31]," (with Y.C. Qiao), *Journal of Economic Theory* **167** (2017), 269-273.
6. "Rationalizability in general situations," (with Y.C. Chen and C. Qu), *Economic Theory* **61** (2016), 147-167.
7. "Rational beliefs in rationalizability," *Theory and Decision* **81** (2016), 189-198.
8. "An indistinguishability result on rationalizability under general preferences," (with Y.C. Chen), *Economic Theory* **51** (2012), 1-12.
9. "Note on Unawareness: Negative Introspection vs. AU Introspection (and KU Introspection)," (with Y.C. Chen and J.C. Ely), *International Journal of Game Theory* **41** (2012), 325-329.
10. "The foundation of stability in extensive games with perfect information," *Journal of Mathematical Economics* **45** (2009), 860-868.
11. "Bayesian coalitional rationalizability," (with C.C. Yang), *Journal of Economic Theory* **144** (2009), 348-263.
12. "On the foundation of stability," *Economic Theory* **40** (2009), 185-201.
13. "Mutually acceptable courses of action," (with J. Greenberg and S. Gupta), *Economic Theory* **40** (2009), 91-112.
14. "Delay in a bargaining game with contracts," (with Y.C. Chen), *Theory and Decision* **65** (2008), 339-353.
15. "Stability, sequential rationality, and subgame consistency," (with S.J. Huang), *Economic Theory* **34** (2008), 309-329.
16. "Iterated strict dominance in general games," (with Y.C. Chen and N.V. Long), *Games and Economic Behavior* **61** (2007), 299-315.

17. "Conservative stable standard of behavior and phi-stable sets," *Theory and Decision* **60** (2006), 395-402.
18. "'Agreeing to disagree' type results: a decision-theoretic approach," (with C. Ma), *Journal of Mathematical Economics* **39** (2003), 849-861.
19. "(Sophisticated) stable sets in exchange economies," (with J. Greenberg, R. Oladi, and B. Shitovitz), *Games and Economic Behavior* **39** (2002), 54-70.
20. "A new approach to sum-fuzzy rational choice functions," *Fuzzy Sets and Systems* **127** (2002), 241-246.
21. "General systems and phi-stable sets—a formal analysis of socioeconomic environments," *Journal of Mathematical Economics* **36** (2001), 95-109.
22. "Stable equilibrium in beliefs in extensive games with perfect information," (with C. Ma), *Journal of Economic Dynamics and Control* **25** (2001), 1801-1825.

(in books)

1. X. Luo and C. Ma, "Recent advancements in the theory of choice under Knightian uncertainty and their applications in economics," in: S. B. Dahiya ed., *The Current State of Economic Science, Vol. 2*, Spellbound Publication PVT LTD., 1999, 639-656.
2. X. Luo, "Information, knowledge, and stability," in: H. Gao et al. eds., *ICM2002GTA Proceedings Volume*, Qingdao Publishing House, 2002, 449-453.

(Special Issue Guest Editor)

Special Issue on: Game Theory and its Applications in Economics and Management,
Asian Journal of Management Science and Applications 2016, Vol. 2, No. 4.

WORKING PAPERS

- Luo, X., Y.C. Qiao & C.C. Yang: "Bayesian coalitional rationality in games."
- Luo, X. & Y.C. Qiao: "tau-theories revisited."
- Chen, Y.C., X. Luo & X.W. Qian: "EFR and backward induction under general preferences."
- Beladi, H., X. Luo & R. Oladi: "Market networks: efficiency and the core."
- Chen, Y.C. & X. Luo: "Belief operator in infinite models."
- Chen, Y.C. & X. Luo: "On the relationship of two belief operators."
- Chen, Y.C. & X. Luo: "A unified approach to information, knowledge, and stability."
- Luo, X. & Y.C. Zhang: "On Aumann's notion of rationality for backward induction."
- Luo, X.: "Stability in interactions: a perspective."

SELECTED PROFESSIONAL PRESENTATIONS

World Congresses of Game Theory Society 2016 (Maastricht), 2012 (Istanbul), 2008 (Chicago), 2004 (Marseille) & 2000 (Bilbao)
International Conferences on Game Theory 2018, 2006, 2005, 2003, 2002, 2001, 1999 & 1998 (Stony Brook, NY)
SAET Conferences 2019 (Ischia), 2018 (Taipei), 2017 (Faro), 2015 (Cambridge), 2013 (Paris), 2012 (Brisbane), 2011 (Faro), 2010 (Singapore), 2009 (Ischia), 2007 (Kos) & 2003 (Rodos)
Asia Meeting of the Econometric Society 2013 (Singapore)
Econometric Society World Congress 2005 (London)
European Meetings 2005 (Amsterdam) & 2004 (Madrid)
Far Eastern Meetings of the Econometric Society 2006 (Beijing), 2001 (Kobe) & 1997 (Hong Kong)
ICM Satellite Conference in Game Theory & Applications 2002 (China)
6th Conference on "Logic and the Foundations of the Theory of Games and Decisions" 2004 (Germany)

SEMINAR PRESENTATIONS

University of Washington in Seattle; McGill University; Concordia University, University of Windsor; Ryerson University; Essex University; University of York; University of Leicester; CentER; Kyoto University; Hosei University; Seoul National University; National University of Singapore; Singapore Management University; Chinese University of Hong Kong; University of Hong Kong; Beijing University; Tsinghua University; Huazhong University Science & Technology, Xiamen University; Sichuan University of Finance & Economics; Academia Sinica; National Taiwan University; National Tsinghua University; National Chengchi University; National Dong Hwa University; National Central University; National Chung-Cheng University; National Yunlin University of Science & Technology; Tamkang University, Tunghai University

OTHERS

EXCO Committee Member, NUS Department of Economics, 2010-2012 & 2021-2022
Graduate Program Director, NUS Department of Economics, 2010-2012 & 2019-2022
Graduate Student Conference Committee (GSCC), FASS, 2019-2022
Graduate Program Deputy Director, NUS Department of Economics, 2013-2014 & 2015-2018
Recruiting Committee Member of Department of Economics, NUS, 2008-2009
Recruiting Committee Member of Institute of Economics, Academia Sinica, 2003-2004

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