

## **XUE Jingyi**

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## **Education**

PhD, Rice University, United States of America, 2013  
Master of Arts, Rice University, United States of America, 2011  
Bachelor of Arts, Fudan University, China, 2007

## **PhD Thesis**

Title: *Three essays on fair division and decision making under uncertainty*  
Chair of Thesis Committee: Herve Moulin

## **Academic Appointments**

Associate Professor of Economics, School of Economics, SMU, Jan 2022 - Present  
Assistant Professor of Economics, School of Economics, SMU, Jul 2013 - Dec 2021

## **Academic Administrative Positions**

Associate Dean (Postgraduate Professional Programme), School of Economics, SMU, Jul 2024 – Present

## **Awards and Honors**

Lee Kong Chian Fellowship, Singapore Management University, 2019-2023

## **RESEARCH**

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### **Research Interests**

Microeconomic theory, fair division, decision theory, mechanism design

### **Journal Publications**

- [1] *Equal-quantile rules in resource allocation with uncertain needs*, by LONG, Yan; SETHURAMAN, Jay; XUE, Jingyi. (2021), *Journal of Economic Theory*, 197.  
[2] *Preferences with changing ambiguity aversion*, by XUE, Jingyi. (2020). *Economic Theory*, 69, 1-60.

[3] *Sharing sequential values in a network*, by JUAREZ, Ruben; Ko, Chiu Yu; XUE, Jingyi. (2018). *Journal of Economic Theory*, 177, 734-779.

[4] *Fair division with uncertain needs*, by XUE, Jingyi. (2018). *Social Choice and Welfare*, 51 (1), 105-136.

[5] *Egalitarian division under Leontief preferences*, by Li, Jin; XUE, Jingyi. (2013). *Economic Theory*, 54 (3), 597-622.

### Working Papers

[6] *Local dominance*, by CATONINI, Emiliano; XUE, Jingyi. (2024). Abstract published by *Electronic Proceedings in Theoretical Computer Science*.

[7] *Parametric rationing*, by LONG, Yan; XUE, Jingyi. (2020).

[8] *Waste-constrained uniform gains rules*, by XUE, Jingyi. (2018).

[9] *Precautionary saving with changing income ambiguity*, by KAJII, Atsushi; XUE, Jingyi. (2016).

[10] *Aspiration and confidence under uncertainty*, by XUE, Jingyi. (2013).

## TEACHING

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### Courses Taught

#### Singapore Management University

##### Undergraduate Programmes:

Game Theory

Strategic Thinking

##### Postgraduate Professional Programmes:

Strategic Thinking

##### Postgraduate Research Programmes:

Microeconomics

## THESES AND DISSERTATIONS

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### Theses and Dissertations Advised

#### Singapore Management University

Committee Member, "The lexicographic preference and the tops-only property", Dissertation by Xinning Geng, MPhil in Economics, Singapore Management University, 2025

Committee Member, "Essays in robust mechanism design", Dissertation by Kexin Wang, PhD in Economics, Singapore Management University, 2025

Committee Member, "Weak Semi Single Peaked Domains", Dissertation by Paulo Daniel Salles, PhD in Economics, Singapore Management University, 2022

Committee Member, "Endogenous Growth from the Belt and Road Initiative's Special Economic Zone infrastructure

projects in Southeast Asia: a case study of Sihanoukville Special Economic Zone", Senior Thesis by Lynette LAU Jia Min, Bachelor in Politics, Law and Economics, Singapore Management University, 2020

Committee Member, "On Random Assignment Problems", Dissertation by LIU PENG, PhD in Economics, Singapore Management University, 2017

Committee Member, "Three Essays on Random Mechanism Design", Dissertation by ZENG HUAXIA, PhD in Economics, Singapore Management University, 2016

## OTHER ACADEMIC AND PROFESSIONAL ACTIVITIES

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### Presentation and Talks

#### Presentations

Local dominance, (13 Jul 2025). *2025 Hitotsubashi Summer Institute: Microeconomic Theory Workshop*, Hitotsubashi University

Local dominance, (22 Jun 2024). *2024 Shanghai Microeconomics Workshop*, Shanghai University of Finance and Economics

Local dominance, (23 Feb 2024). *SNU-CHUK joint Workshop on Economic Theory*, Chinese University of Hong Kong

Local dominance, (29 Jul 2023). *The Asian Meeting of the Econometric Society*, Nanyang Technological University

Local dominance, (16 Oct 2023). *Workshop on Market Design*, University of Macau

Local dominance, (06 Jan 2023). *SMU Micro Theory Workshop*, Singapore Management University.

Resource allocation with ambiguous needs, (17 Dec 2022). *Competition and Welfare: Economic Theory and Public Policy --- An online conference to celebrate Professor Yew-Kwang Ng's 80th birthday*, Monash University.

Resource allocation with ambiguous needs, (28 Oct 2022). *SMU Micro Theory Workshop*, Singapore Management University.

Local dominance, (17 July 2022). *The 21st annual SAET conference*, Australian National University.

Local dominance, (27 Jun 2021). *Theoretical Aspects of Rationality and Knowledge 2021*, Tsinghua University - University of Amsterdam Joint Research Centre for Logic.

Local dominance, (27 Jun 2021). *The 2021 Asia Meeting of the Econometric Society*, Curtin University Malaysia.

Local dominance, (18 Jun 2021). *International Conference on Social Choice & Voting Theory*, Virginia Tech.

Local dominance, (19 Mar 2021). *The School of Economics Research Workshop*, Singapore Management University.

Fair division with ambiguous needs (18 Dec 2019). *Time, Uncertainties & Strategies VI*, Paris School of Economics.

Equal-quantile rules in resource allocation with uncertain needs, (16 Jun 2019). *Invited session at the 2019 Asia Meeting of the Econometric Society*, Xiamen University.

Equal-quantile rules in resource allocation with uncertain needs, (14 Jun 2019). *Conference on Economic Design 2019*, Corvinus University of Budapest.

Resource allocation with uncertain needs, (22 Mar 2019). *SMU Economic Theory Workshop*, Singapore Management University.

Preferences with changing ambiguity aversion, (17 Dec 2018). *Time, Uncertainties & Strategies V*, Paris School of Economics.

- Equal-quantile rules in resource allocation with uncertain needs, (26 Jun 2018). The 14th Meeting of the Society for Social Choice and Welfare, Seoul.
- Preferences with changing ambiguity aversion, (12 Jun 2018). 18th SAET Conference on Current Trends in Economics, Taipei.
- Equal-quantile rules in resource allocation with uncertain needs, (06 Jun 2018). Workshop on Game Theory, National University of Singapore.
- Fair division with uncertain needs, (31 Jul 2017). *2017 East Asian Game Theory Conference*, National University of Singapore.
- Fair division with uncertain needs, (25 Jun 2017). *17th SAET Conference on Current Trends in Economics*, Faro.
- Different representations of uncertainty averse preferences, (22 Jun 2017). *Bristol Microeconomic Theory Workshop*, University of Bristol.
- Equal-quantile rules in resource allocation with uncertain needs, (15 Jun 2017). *Conference on Economic Design 2017*, University of York.
- Fair division with uncertain needs, (16 May 2017). *Second GRODE Workshop: Claims problems*, Universitat Rovira i Virgili.
- Equal-quantile rules in resource allocation with uncertain needs, (14 Dec 2016). *SMU workshop on mechanism design*, Singapore Management University.
- Aspiration and confidence under uncertainty, (25 Nov 2016). *Seminars of Department of Decision Sciences*, Bocconi University.
- Sharing Sequential Profits in a Network, (28 Aug 2016). *Graduate Summer Workshop on Game Theory*, Seoul National University.
- Efficiency and fairness in claims problems under uncertainty, (26 Jul 2016). *The 5th World Congress of the Game Theory Society*, Maastricht University.
- Sharing sequential values in a network, (12 Jul 2016). *European Meeting on Game Theory 2016*, University of Southern Denmark.
- Efficiency and fairness in claims problems under uncertainty, (28 Jun 2016). *The 13th Meeting of the Society for Social Choice and Welfare*, Lund University.
- Uncertainty averse preferences and changing uncertainty aversion, (22 Jun 2016). *Risk, uncertainty and decision 2016*, Université Paris-Dauphine.
- Fair division with uncertain needs, (18 Sep 2015). *Conference in honor of Herve Moulin*, Aix-Marseille University.
- Claim uncertainty and egalitarian division with wastage, (02 Jul 2015). *Conference on Economic Design*, Istanbul Bilgi University.
- Claim Uncertainty and Egalitarian Division with Wastage, (26 May 2015). *NTU-HIROSHIMA Joint Economics Workshop*, Nanyang Technological University.
- Fair division with random demands, (23 Aug 2014). *Singapore Joint Theory Workshop*, Singapore. Singapore
- Fair division with random demands, (23 Aug 2014). *Singapore Joint Theory Workshop*, Singapore Management University.
- Fair division with random demands, (17 Jun 2014). *Economic Dynamics Workshop*, Fudan University.
- Fair division with random demands, (15 Jun 2014). *2014 Shanghai Microeconomics Workshop*, Shanghai University of Finance and Economics.
- Fair division with random demands, (15 Jun 2014). *Shanghai Microeconomics Workshop*, Shanghai. China
- Fair division with random demands, (10 Dec 2013). *5th Annual Summer Workshop of Center for Mathematical Social Sciences*, Auckland. New Zealand
- Fair division with random demands, (10 Dec 2013). *5th Annual Summer Workshop of Center for Mathematical Social Sciences*, University of Auckland.
- Fair division with probabilistic demand, (03 Aug 2013). *Asian Meeting of the Econometric Society*, National University of Singapore.

Three representations of preferences with decreasing absolute ambiguity aversion, (21 Jun 2013). Shanghai Microeconomics Workshop, Shanghai. China

Three representations of preferences with decreasing absolute uncertainty aversion, (21 Jun 2013). 2013 Shanghai Microeconomics Workshop, Shanghai University of Finance and Economics.

Three representations of preferences with decreasing absolute ambiguity aversion, (07 Oct 2012). *The Texas Economic Theory Camp*, Dallas, Texas.

Three representations of preferences with decreasing absolute uncertainty aversion, (07 Oct 2012). *The Texas Economic Theory Camp*, Southern Methodist University.

Optimal robustness under uncertainty, (03 Jul 2012). *Foundations and Applications of Utility, Risk and Decision Theory (FUR) Conference XV*, Georgia State University.

Optimal Robustness under Uncertainty, (29 Jun 2012). *The 2012 Econometric Society's North American Summer Meetings*, Northwestern University.

### Invited Seminars, Talks and Lectures

Local dominance, (23 Oct 2024). Seminar Series, National University of Singapore

Resource allocation with ambiguous needs, (16 May 2023). Economics Research Seminar, NYU Shanghai

Local dominance, (16 Dec 2022). Seminar Series, Shanghai University of Finance and Economics

Local dominance, (02 Jun 2022). Theory Seminar Series, Wuhan University

Local dominance, (09 Nov 2021). Seminar Series, Institute of Economics, Academia Sinica

Local dominance, (13 Apr 2021). CCBEF Seminar Series, Southwestern University of Finance and Economics

Resource allocation with ambiguous needs, (17 Sep 2020). Economic Theory Seminar Series, University of Rochester

Resource allocation with ambiguous needs, (16 Sep 2020). Economics Research Seminar, NYU Shanghai

Equal-quantile rules in resource allocation with uncertain needs, (27 Dec 2019). CRETA Seminars in Economic Theory, University of Warwick

Preferences with changing ambiguity aversion, (09 Jan 2019). Economic Theory Workshop, Hitotsubashi University

Equal-quantile rules in resource allocation with uncertain needs, (03 Dec 2018). Seminars in Microeconomics, Xiamen University

Equal-quantile rules in resource allocation with uncertain needs, (14 Dec 2017). Seminars, University of Hawaii

Fair division with uncertain needs, (29 Nov 2017). Economics Seminar, University of Hong Kong

Three representations of preferences with decreasing absolute uncertainty aversion, (11 Dec 2015). Seminars, University of Hawaii

Claim uncertainty, wastage and egalitarian division, (31 Jul 2015). ISER Seminar Series, Osaka University

Three representations of preferences with decreasing absolute uncertainty aversion, (24 Jul 2015). Rokkodai Theory Seminars, Kobe University

Claim uncertainty and egalitarian division with wastage, (25 Jun 2015). Economic Theory Workshop, Hitotsubashi University

Three representations of preferences with decreasing absolute uncertainty aversion, (11 Jun 2015). Seminars, Hiroshima University

Claim uncertainty and egalitarian division with wastage, (28 May 2015). Tokyo Center for Economic Research (TCER) Workshop, Waseda University

Three representations of preferences with decreasing absolute uncertainty aversion, (21 May 2015). Microeconomics/Game Theory Seminar, Kyoto University

Fair division with random demands, (20 Jun 2014). Seminars, Tsinghua University

Fair division with random demands, (22 May 2014). Microeconomics/Game Theory Seminar, Kyoto University

Fair division with random demands, (28 Mar 2014). Research Workshop, Singapore Management University

Fair division with random demands, (01 Jan 2014). Research Workshop, Singapore Management University, Singapore

Three representations of preferences with decreasing absolute ambiguity aversion, (28 Nov 2013). The Department of Economics Seminars Series, National University of Singapore, Singapore

Three representations of preferences with decreasing absolute uncertainty aversion, (28 Nov 2013). Seminar Series, National University of Singapore

Aspiration and confidence under uncertainty, (08 Nov 2012). Microeconomics Theory Workshops, Houston, Texas, United States of America

Aspiration and confidence under uncertainty, (08 Nov 2012). Theory seminar series, Rice University

Egalitarian division under Leontief preferences, (13 May 2011). ECORE Summer School on "Market Failure and Market Design", Université Catholique de Louvain

Egalitarian division under Leontief preferences, (05 May 2011). Microeconomics Theory Workshops, Houston, Texas, United States of America

Egalitarian division under Leontief preferences, (05 May 2011). Theory seminar series, Rice University

## **JOURNAL REFEREEINGS**

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Econometrica, Economics Bulletin, Economics Letters, Economic Theory, Games and Economic Behavior, International Economic Review, International Journal of Game Theory, Journal of Economic Behavior & Organization, Journal of Economic Theory, Journal of Mathematical Economics, Management Science, Mathematical Social Sciences, Mathematics of Operational Research, Review of Economic Design, Social Choice and Welfare, Theory and Decision