

## Lixin Ye

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### Academic Appointments

Professor, The Ohio State University, June 2015 – Present.  
Visiting Professor, University of Maryland, College Park, Autumn 2015.  
Visiting Professor, Guanghua School of Management, Peking University, Spring 2011.  
Associate Professor, The Ohio State University, October 2008 – May 2015.  
Assistant Professor, The Ohio State University, October 2001 – September 2008.

### Education

Ph.D. in Economics, Stanford University, June 2001 (Principal advisor: Paul Milgrom)  
M.A. in Panning and Management, Renmin University of China, June 1991  
B.S. in Mechanics, Peking University, June 1988

### Research Areas

Microeconomic Theory, Auctions/Mechanism Design, Industrial Organization, Contract Theory.

Current Research Interests: Two-Stage Auctions, Competitive Nonlinear Pricing/Taxation, Radio Spectrum Sharing.

### Published and Forthcoming Papers

1. “Efficient and Optimal Mechanisms with Radio Spectrum Sharing,” with Chenglin Zhang, Christopher Baker, Joel Johnson, and Huaiyi Wang, forthcoming *International Journal of Industrial Organization*.
2. “Monopolistic Nonlinear Pricing with Consumer Entry,” with Chenglin Zhang, *Theoretical Economics* 12 (2017), 141–173.
3. “Competitive Nonlinear Pricing and Contract Variety,” with Jian Shen and Huanxing Yang, *Journal of Industrial Economics* 64(1), March 2016: 64-108.
4. “Theoretical and Experimental Analysis of Auctions with Negative Externalities,” with Youxin Hu, John Kagel, and Xiaoshu Xu, *Games and Economic Behavior* 82, 2013: 269-291.
5. “Auctions with Entry and Resale,” with Xiaoshu Xu and Dan Levin, *Games and Economic Behavior* 79, 2013: 92-105.
6. “Efficient and Optimal Mechanisms with Private Information Acquisition Costs,” with Jingfeng Lu, *Journal of Economic Theory* 148 (1), 2013: 393-408.

7. "Auctions with Synergy and Resale," with Xiaoshu Xu and Dan Levin, *International Journal of Game Theory* 41 (2), 2012: 397-426.
8. "Competitive Nonlinear Taxation and Constitutional Choice," with Massimo Morelli and Huanxing Yang, *American Economic Journal: Microeconomics* 4(1), 2012: 142-175.
9. "Quality Disclosure and Competition," with Dan Levin and James Peck, *Journal of Industrial Economics* 57 (1), March 2009: 167-196.
10. "Nonlinear Pricing, Market Coverage, and Competition," with Huanxing Yang, *Theoretical Economics* 3, 2008: 123-153.
11. "Search with Learning: Understanding Asymmetric Price Adjustments," with Huanxing Yang, *The RAND Journal of Economics* 39, 2008: 547-564.
12. "Hybrid Auctions Revisited," with Dan Levin, *Economics Letters* 99, 2008: 591-594.
13. "Trademark Sales, Entry, and the Value of Reputation," with Howard Marvel, *International Economic Review* 49, 2008: 547-576.
14. "Indicative Bidding: An Experimental Analysis," with John Kagel and Svetlana Pevnitskaya, *Games and Economic Behavior* 62, 2008: 697-721.
15. "Survival Auctions," with John Kagel and Svetlana Pevnitskaya, *Economic Theory* 33, 2007: 103-119.
16. "Reserve Price Signaling," with Hongbin Cai and John Riley, *Journal of Economic Theory* 135 (1), July 2007: 253-268.
17. "Bad News Can Be Good News: Early Dropouts in an English Auction with Multi-dimensional Signals," with Dan Levin and James Peck, *Economic Letters* 95, 2007: 462-467.
18. "Indicative Bidding and A Theory of Two-Stage Auctions," *Games and Economic Behavior* 58 (1), January 2007: 181-207.
19. "On the Use of Customized vs. Standardized Performance Measures," with Anil Arya, Jonathan Glover, and Brian Mitterdorf, *Journal of Management Accounting Research* 17, 2005: 7-21.
20. "Optimal Auctions with Endogenous Entry," *Contributions to Theoretical Economics* 4(1), 2004: Article 8, 1-27.
21. "Deciding Between Competition and Collusion," with Patrick Bajari, *Review of Economics and Statistics* 85(4), November 2003: 971-989.

## Working Papers

1. "Optimal Mechanisms with Costly Information Acquisition," with Jingfeng Lu, May 2018.
2. "Collusion through Coordination on Announcements," with Joseph E. Harrington, February 2018.
3. "A Solution for Games with Inadequate Information," with Liang Mao, January 2017.
4. "Competitive Nonlinear Income Taxation Revisited," with John Wilson and Chenglin Zhang, under revision.
5. "Refinements in Discrete and Continuous Type Models: Local Credibility Test," with Hongbin Cai and John Riley, under revision.
6. "Spectrum Buyouts: A Mechanism to Open Spectrum," with Nobuo Ikeda, RIETI Discussion Paper Series 02-E-002.

## **Teaching**

Graduate level: Microeconomics; Game Theory; Contract Theory; Market Design (Auctions and Matching); Industrial Organization.

Undergraduate level: Intermediate Microeconomics (Non-calculus based); Intermediate Microeconomics (Calculus based).

## **Fellowships, Awards, and Grants**

National Science Foundation Research Grant (AST-1247840), “Achieving Efficient Spectrum Usage in Active and Passive Sensing through A Market-Based Approach,” with Joel Johnson and Christopher Baker; \$500,000; Sep. 2012 – Aug. 2015.

Excellence in Refereeing Award, *American Economic Review*, 2012.

Excellence in Refereeing Award, *American Economic Review*, 2009.

The Ohio State University Seed Grant Award, “Theoretical and Experimental Analysis of Two-stage Auctions,” \$20,000; 2002.

Kapnick Dissertation Fellowship, SIEPR, Stanford University, 2000.

Graduate Fellowship, Department of Economics, Stanford University, 1995-1996.

Guanghua Scholarship, Renmin University of China, 1991.

## **Referee Services**

*American Economic Review, B.E. Journals in Theoretical Economics, China Economic Review, Econometrica, Economic Inquiry, Economic Journal, Economic Letters, European Economic Review, Games and Economic Behavior, International Economic Review, International Journal of Game Theory, International Journal of Industrial Organization, Japanese Economic Review, Journal of Business and Economic Statistics, Journal of Economic Dynamics and Control, Journal of Economics and Management Strategy, Journal of Economic Theory, Journal of Industrial Economics, Journal of Mathematical Economics, Journal of Political Economy, Journal of Public Economics, Journal of Regional Science, Management Science, Operations Research, Production and Operations Management, RAND Journal of Economics, Review of Economic Studies, Review of Economic Design, Theoretical Economics.*

*National Science Foundation, Social Sciences and Humanities Research Council of Canada, Research Grants Council of Hong Kong, University of Macau Research Grants.*

## **Student Advising (with initial placements)**

Principal advisor or co-advisor for:

Youxin Hu (Southwestern University of Finance and Economics, China);

Xiaoshu Xu (Shanghai Jiaotong University, China);

Jian Shen (JPMorgan Chase);

Shinya Horie (Kobe University, Japan);  
Daeyoung Jeong (Bank of Korea);  
Joseph Duggan (University of Dayton);  
Jinsoo Bae (Current).

Dissertation committee member for:

Susan Rose (Institute of Defense Analysis);  
Xiaodong Liu (U. of Colorado, Boulder);  
Bin Yu (Ameriprise Financial);  
Ching-Jen Sun (Deakin University, Australia);  
Jun Nakabayashi (U. of Tsukuba, Japan);  
Lexian Liu (Fannie Mae);  
Hongwei Zheng (SUFU);  
Darren Weng (SUFU);  
Ross Brater (DOJ);  
Austin Sudbury (CMU);  
Xin Yu (Progressive Finance);  
Chao Yang (Shanghai U. of Finance and Economics);  
Zhuozheng Li (Shanghai U. of Finance and Economics).

### **Administrative Services**

Director of Undergraduate Studies in Economics: August 2016 – Present;  
Director of the Undergraduate Honors Program in Economics: August 2014 – Present;  
Graduate Studies Committee Member: Fall 2006 – Spring 2009 and Fall 2010 – Summer 2013;  
Department Search Committee Member: Fall 2009 – Spring 2010.

### **Conference Organization**

2018 International Conference on Economic Theory and Applications (Chengdu), Member of Program Committee;  
2017 China Meeting of Econometric Society, Member of Program Committee;  
NSF/CEME Decentralization Conference (April 2011), Principal Organizer;  
Midwest Economic Theory and International Economics Meetings (Fall 2008; Spring 2014), Member of Organization Committee.

### **Invited Seminars and Conference Presentations**

2017: Asian Econometric Society Meeting (CUHK, June); U. of British Columbia (Vancouver, September); Huazhong U. of Science and Technology (Wuhan China, October).  
2016: 2<sup>nd</sup> NSF EARS PI Meeting (Reston VA, March); Workshop on Industrial Organizations and Management (HKUST, June); Third China Meeting of the Econometric Society (Chengdu China, June).

- 2015: University of Texas, Dallas (January); Montreal Economic Theory Seminar (May); The 11<sup>th</sup> World Congress of Econometric Society (August, Montreal); Federal Communications Commission (October); Chinese University of Hong Kong (November); Georgetown University (November); University of Maryland (December).
- 2014: University of Michigan (March); Decentralization Conference (June, Stanford University); University of Toronto (September); Duke/UNC (November).
- 2013: Michigan State University (March); Conference in honor of Paul Milgrom's 65<sup>th</sup> Birthday (April); University of Hong Kong (May); Midwest Economic Theory Conference (October, Ann Arbor).
- 2012: The 10<sup>th</sup> Annual International Industrial Organization Conference (March, Arlington VA); Workshop on Information and Incentives (October, University of Guelph, Canada); Workshop on Auctions and Matching (November, University of Michigan, Ann Arbor).
- 2011: Econometric Society Winter Meetings (January, Denver); The 16<sup>th</sup> World Congress of International Economics Association (July, Tsinghua University); Guanghua School of Management, Peking University.
- 2010: Behavioral & Quantitative Game Theory Conference (May, Newport Beach, California); The 10<sup>th</sup> World Congress of Econometric Society (August, Shanghai); Vanderbilt University (October).
- 2009: Econometric Society Winter Meetings (January, San Francisco); The Sixth Workshop on Industrial Organization and Management Strategy (June, Beijing).
- 2008: Econometric Society Winter Meetings (January, New Orleans); Summer Conference on Microeconomic Theory (July, U. of Hong Kong); Hong Kong University of Science and Technology (May).
- 2007: The 5<sup>th</sup> Annual International Industrial Organization Conference (April, Savannah); Public Economic Theory Conference (July, Vanderbilt).
- 2006: Econometric Society Winter Meetings (January, Boston); NSF/NBER Decentralization Conference (April, Universite Paris 1, Pantheon Sorbonne); Econometric Society Summer Meetings (June, University of Minnesota); The Third Workshop on Industrial Organization and Management Strategy (July, Beijing); Far Eastern Meeting of The Econometric Society (July, Tsinghua University); Midwest Economic Theory Conference (October, Purdue).
- 2005: NSF/NBER Decentralization Conference (April, Champaign-Urbana); The 9<sup>th</sup> World Congress of Econometric Society (August, London); Indiana University.
- 2004: Econometric Society Winter Meetings (January, San Diego); Research Institute of

Economy, Trade and Industry (March, Japan); Guanghua School of Management, Peking University (April); Conference on Public Economic Theory (August, Beijing); Midwest Theory Conference (October, St. Louis).

2003: Illinois Economic Theory Conference (May, Champaign-Urbana); Midwest Theory Conference (October, Bloomington, Indiana).

2002: Econometric Society Summer Meetings (June, UCLA); Case Western Reserve University.

2001: UCLA; CMU; UNC at Chapel Hill; Rochester Simon School; SUNY Albany; U. Penn.; OSU; Northwestern U. MEDS; Washington Olin School; UC Santa Barbara.