

YINGHUA HE

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CURRENT POSITIONS

Associate Professor, Department of Economics, Rice University, 2022 –

Affiliated Researcher, Institut des Politiques Publiques, 2021 –

Associate Member, Toulouse School of Economics, 2016 –

PAST AND VISITING POSITIONS

Assistant Professor, Department of Economics, Rice University, 2016-22

Junior Chair (Assistant Professor), Toulouse School of Economics, 2010-16

Visiting Professor, Paris School of Economics, Fall 2019

PER visitor, Department of Economics, Columbia University, November 2017

Visiting Scholar, Department of Economics, Stanford University, 2014-15

FIELDS OF INTERESTS

Research: Market Design, Applied Microeconomics, Education, IO

Teaching: Applied Econometrics, Market Design, Labor Economics, IO

EDUCATION

Ph.D. in Economics, Columbia University (New York, USA), February 2011

M.A. in Economics, Peking University (Beijing, China), July 2004

B.A. in Economics, University of International Business & Economics (Beijing, China), July 2001

PEER-REVIEWED PUBLICATIONS

- [1] “Unpaired Kidney Exchange: Overcoming Double Coincidence of Wants without Money” with Mohammad Akbarpour, Julien Combe, Victor Hiller, Robert Shimer, and Olivier Tercieux, 2020, **Accepted**, *Review of Economic Studies*
- [2] “Stable Matching with Mistaken Agents” with Georgy Artemov and Yeon-Koo Che, *Journal of Political Economy Microeconomics*, 2023
- [3] “Application Costs and Congestion in Matching Markets” with Thierry Magnac, *Economic Journal*, 2022 -- *Selected by the editors as a “Featured Article”*
- [4] "Preference Discovery in University Admissions: The Case for Dynamic Multi-offer Mechanisms," with Julien Grenet and Dorothea Kübler, *Journal of Political Economy*, 2022
- [5] “Information Acquisition and Provision in School Choice: A Theoretical Investigation,” with Yan Chen, *Economic Theory*, 2022
- [6] “Information Acquisition and Provision in School Choice: An Experimental Study,” with Yan Chen, *Journal of Economic Theory*, 2021
- [7] “Impact of Air Pollution on Human Activities: Evidence from Nine Million Mobile Phone Users,” with Wei Chen and Shiyuan Pan, *PLOS ONE*, 2021

- [8] “Beyond Truth-Telling: Preference Estimation with Centralized School Choice and College Admissions,” with Gabrielle Fack and Julien Grenet, *American Economic Review*, 2019
- [9] “A Pseudo-Market Approach to Allocation with Priorities,” with Anonio Miralles, Marek Pycia, and Jianye Yan, *American Economic Journal: Microeconomics*, 2018
-- *Winner of the AEJ Best Paper Award*
- [10] “Hurting without Hitting: The Economic Cost of Political Tension,” with Ulf Nielsson and Yonglei Wang, *Journal of International Financial Markets, Institutions and Money*, 2017
- [11] “Evaluating Assignment without Transfers: A Market Perspective,” with Sanxi Li and Jianye Yan, *Economics Letters*, 2015
- [12] “Subscribing to Transparency,” with Ulf Nielsson, Hong Guo, and Jiong Yang, *Journal of Banking & Finance*, 2014
- [13] “Is Shared Housing a Way to Reduce Homelessness? The Effect of Household Arrangements on Formerly Homeless People,” with Brendan O’Flaherty and Robert Rosenheck, *Journal of Housing Economics*, 2010

OTHER PUBLICATIONS

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- [1] “Perspectives sur le programme de dons croisés de reins en France (*Perspectives on the Kidney Exchange Program in France*),” with Julien Combe, Victor Hiller, Olivier Tercieux, Benoît Audry, Christian Jacquelinet, Marie-Alice Macher, *Note IPP*, Institut des politiques publiques, n°41, 2019 [in French]
 - [2] “户籍制度松紧程度的一个衡量 (*Measuring the Strictness of the Household Registration System*),” *China Economic Quarterly*, 2004 [in Chinese]

WORKING PAPERS

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- [1] “Leveraging Uncertainties to Infer Preferences: Robust Analysis of School Choice” with Yeon-Koo Che and Dong Woo Hahm, 2023
 - [2] “Identification and Estimation in Many-to-one Two-sided Matching without Transfers” with Shruti Sinha and Xiaoting Sun, 2021, **Conditionally Accepted, *Econometrica***
 - [3] “Strategic ‘Mistakes’: Implications for Market Design Research” with Georgy Artemov and Yeon-Koo Che, 2017 (updated 2021)
 - [4] “Gaming the Boston School Choice Mechanism in Beijing,” 2009 (updated 2017)

TEACHING EXPERIENCE

PhD Courses:

- Matching and Market Design (Rice), 2021, 2023
- Empirical Market Design (MIT), Guest Lecture (invited by Parag Pathak), 2018
- Empirical Market Design (Stanford), Guest Lecture (invited by Muriel Niederle & Al Roth), 2015
- Topics in Applied Econometrics (Toulouse School of Economics): 2011, 2012, 2013

Undergraduate and Graduate Courses:

- Applied Econometrics (Toulouse School of Economics): 2014, 2016
- Applied Econometrics (Rice): 2017, 2018, 2019, 2020, 2021, 2022, 2023
- Introduction to Econometrics (Columbia): 2008

SCHOLARSHIPS, AWARDS, AND GRANTS

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| 2022 | Ralph O’Connor Award for Distinction in Teaching and Research in Economics, Rice University |
| 2019 | American Economic Journal: Microeconomics Best Paper Award |

- 2017-20 “Operationalizing Pseudo-Market Mechanisms,” National Science Foundation, with Hülya Eraslan and Jeremy Fox, US\$443,679.
- 2017-18 Seed Money Grant, Rice University, Social Sciences Research Institute, US\$19,830.
- 2016-18 “Tertiary admissions: towards a healthier university system,” with Georgy Artemov and Yeon-Koo Che, Australian Research Council, AU\$199,000.
- 2015-16 Project FDA, Agence Nationale de la Recherche, France, 129,272 euros.
- 2014-16 Project DesignEdu, Agence Nationale de la Recherche, France, 188,708 euros.
- 2014 “Young Researcher in Economics” Prize, la Fondation Banque de France.
- 2009 Wueller Prize for Best Summer Research Proposal, Columbia University.
- 2004-09 Faculty Fellow, Columbia University.

REFEREEING ACTIVITIES

Journals:

American Economic Journal: Applied, American Economic Journal: Micro, American Economic Review, China Economics Quarterly (in Chinese), China Economic Review, Complexity, Econometrica, Economic Development and Cultural Change, Economics Letters, Economics of Education Review, European Economic Review, Games and Economic Behavior, Information Economics and Policy, International Journal of Game Theory, International Journal of Industrial Organization, International Economic Review, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Comparative Economics, Journal of Economic Theory, Journal of Human Capital, Journal of Labor Economics, Journal of Public Economics, Journal of Political Economy, Mathematical Social Sciences, Quarterly Journal of Economics, Quantitative Economics, Review of Economics & Statistics, Review of Economic Studies

Funding agencies:

Economic and Social Research Council, Keynes Fund, National Science Foundation, Research Grants Council of Hong Kong

Conferences:

“Market Design for Kidneys and Beyond” at Rice Paris Center 2023 (co-organizer), The 10th “Matching in Practice” Workshop 2015 (Co-organizer), The 11th “Matching in Practice” Workshop 2016 (Scientific committee member), The 19th ACM conference on Economics and Computation 2018 (ACM EC’18), MATCH-UP 2019: The Fifth International Workshop on Matching Under Preferences, The 9th Annual Conference of the International Association of Applied Econometrics 2022 (Scientific committee member)

UNIVERSITY AND DEPARTMENT SERVICES

Rice University:

Member: Kinder Senior Hiring Committee, Rice University, 2022-23
 Member: Graduate Honor Committee of Rice University, 2022-23
 Graduate Admission Committee: Rice Economics, 2019-20, 2020-21, 2021-22, 2022-23
 Placement Director: Rice Economics, 2016-17, 2017-18, 2018-19
 Member: Committee on Examinations and Standing of Rice University, 2018-19
 Member: Junior Recruiting Committee, Rice Economics, 2018-19
 Organizer: Econometrics Seminar, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21

Toulouse School of Economics:

Organizer: Econometrics & Empirical Economics Seminar, 2011-12, 2012-13, 2015-16
 Co-founder and Organizer: Applied Micro Workshop, 2011-12, 2012-13, 2013-14
 Member: Junior Recruiting Committee, 2011-12, 2012-13

SEMINAR AND CONFERENCE PRESENTATIONS

2022-23: Conference on the Econometrics and Models of Strategic Interactions (Vanderbilt), Hong Kong U of Science and Technology, Seoul National University

2021-22: Arizona State U, Australian Education Markets, Chamberlain Seminar (discussant), Department of Education (New York City), NBER Market Design Meeting, SAET Conference, Southern Economic Association 91st Annual Meeting, U of Tokyo, U of Toronto, UT San Antonio

2020-21: Southern Economic Association 90th Annual Meeting, Barcelona Summer Forum, Toulouse Conference “Econometrics of Games, Matching and Network”

2019-20: ASSA (San Diego, CA), Boston College, Conference “Information Design & Data Science” (UC Berkeley), NBER IO meeting, Paris School of Economics, Sciences Po (Paris)

2018-19: Arizona State University, ASSA (Atlanta, GA), Boston College

2017-18: Columbia, Cowles Summer Conference (Yale), Duke, Market Design Conference (Columbia), NBER Market Design Meeting, UC Irvine, Univ. of Houston, Workshop on Kidney Allocation (Paris)

2016-17: Asian Pacific IO Conference (Melbourne), ASSA (Chicago), Barcelona Summer Forum, Conference “Econometrics Meets Theory” (NYU), EEA (Lisbon), Matching in Practice (Brussels), Paris School of Economics, Wisconsin-Madison

2015-16: “Advances in Market Design” (Paris), ASSA (San Francisco), ESWC 2015 Montreal, Helsinki Center of Economic Research, “Matching in Practice” (Toulouse), “Matching Markets: Combining Theory and Applications” (WZB Berlin), Princeton, Rice, Tilburg, University of Cologne

2014-15: Caltech, Columbia, Cowles Summer Conference (Yale), ASSA (Boston), Stanford, Vanderbilt

2013-14: “Matching in Practice” (Berlin), IWAEE (Catanzaro), French Econometrics Meeting (Toulouse, *discussant*), Monash (Melbourne)

2012-13: Advances in Market Design (Paris School of Economics), Toulouse-Northwestern CSIO/IDEI Workshop, Gate-Lyon-St Etienne, “Matching in the EU: Market Failures and Solutions” (Bellaterra, Spain), University of Michigan, Econometric Society European Meeting, WCU-Market Design and Dynamic Theory (Yonsei, Seoul)

2011-12: Universitat Autònoma de Barcelona, Copenhagen Business School, WZB Berlin, Paris School of Economics, Chinese University of Hong Kong, London School of Economics, Tinbergen Institute, University of Bristol, Zhejiang University

2010-11: EC2 Meeting (poster), Wisconsin-Madison, NBER Market Design Meeting, China Economics Summer Institute, Econometric Society World Congress in Shanghai, Toulouse-Northwestern CSIO/IDEI Workshop (*discussant*), “Economics of Intellectual Property, Software and the Internet” (Toulouse, *discussant*)

2009-10: Columbia University, Econometric Society NASM in Boston