

MATTHIJS R WILDENBEEST

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Department of Economics
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CURRENT APPOINTMENTS

The University of Arizona, Department of Economics
Professor, 2022 – present.
Centre for Economic Policy Research (CEPR)
Research Fellow (IO), 2019 – present.

PAST APPOINTMENTS

Indiana University, Kelley School of Business
Associate Professor (with tenure), 2013 – 2022.
Weimer Faculty Fellow, 2020 – 2022.
Assistant Professor, 2007 – 2013.
Indiana University, Department of Economics
Adjunct Assistant/Associate Professor, 2011 – 2022.

EDUCATION

Ph.D. Economics, Erasmus University Rotterdam, 2007.
M.Phil. Economics, Tinbergen Institute, 2003.
M.Sc. Economics (cum laude), Erasmus University Rotterdam, 2003.

TEACHING AND RESEARCH FIELDS

Industrial organization, applied microeconomics, and applied econometrics.

JOURNAL ARTICLES

1. “Truly costly sequential search and oligopolistic pricing,” with Maarten C.W. Janssen and José Luis Moraga-González, *International Journal of Industrial Organization* 23, 451-66, 2005.
2. “Maximum likelihood estimation of search costs,” with José Luis Moraga-González, *European Economic Review* 52, 820-48, 2008.
3. “An empirical model of search with vertically differentiated products,” *RAND Journal of Economics* 42, 729-57, 2011. Winner of the 2007 EARIE Young Economist Essay Award.
4. “Testing models of consumer search using data on web browsing and purchasing behavior,” with Babur De los Santos and Ali Hortaçsu, *American Economic Review* 102, 2955-80, 2012.
5. “Semi-nonparametric estimation of consumer search costs,” with José Luis Moraga-González and Zsolt Sándor, *Journal of Applied Econometrics* 28, 1205-23, 2013.
6. “Estimation of search frictions in the British electricity market,” with Monica Giulletti and Michael Waterson, *Journal of Industrial Economics* 62, 555-90, 2014.
7. “Search Engine Optimization: What drives organic traffic to retail sites?” with Babur De los Santos and Michael R. Baye, *Journal of Economics & Management Strategy* 25, 6-31, 2016.
8. “What's in a name? Measuring prominence, and its impact on organic traffic from search engines,” with Babur De los Santos and Michael R. Baye, *Information Economics and Policy* 34, 44-57, 2016.
9. “Nonsequential search equilibrium with search cost heterogeneity,” with José Luis Moraga-González and Zsolt Sándor, *International Journal of Industrial Organization* 50, 392-414, 2017.
10. “Prices and heterogeneous search costs,” with José Luis Moraga-González and Zsolt Sándor, *RAND Journal of Economics* 48, 125-46, 2017.
11. “E-book pricing and vertical restraints,” with Babur De los Santos, *Quantitative Marketing and Economics* 15, 85-122, 2017.
12. “Search with learning for differentiated products: evidence from E-commerce,” with Babur De los Santos and Ali Hortaçsu, *Journal of Business & Economic Statistics* 35, 626-41, 2017.
13. “Non-parametric estimation of search costs for differentiated products: evidence from Medigap,” with Haizhen Lin, *Journal of Business & Economic Statistics* 38, 754-770, 2020.
14. “Simultaneous search for differentiated products: the impact of search costs and firm prominence,” with José Luis Moraga-González and Zsolt Sándor, *Economic Journal* 131, 1308-1330, 2021.

15. "Autonomous algorithmic collusion: economic research and policy implications," with Stephanie Assad, Emilio Calvano, Giacomo Calzolari, Robert Clark, Vincenzo Denicolo, Daniel Ershov, Justin Johnson, Sergio Pastorello, Andrew Rhodes, and Lei Xu, *Oxford Review of Economic Policy* 37, 459-478, 2021.
16. "Consumer search and prices in the automobile market," with José Luis Moraga-González and Zsolt Sándor, June 2022. Forthcoming in the *Review of Economic Studies*.

OTHER PUBLICATIONS

1. "Consumer search and pricing behavior in Internet markets," with Maarten C.W. Janssen and José Luis Moraga-González, in Eric Brousseau and Nicolas Curien (editors), *Internet and Digital Economics*, Cambridge University Press, 460-83, 2007.
2. "Comparison sites," with José Luis Moraga-González, in Martin Peitz and Joel Waldfogel (editors), *The Oxford Handbook of the Digital Economy*, Oxford University Press, 224-53, 2013.
3. "The evolution of product search," with Babur De los Santos and Michael R. Baye, *The Journal of Law, Economics & Policy* 9, 201-21, 2013.
4. "Searching for physical and digital media: the evolution of platforms for finding books," with Babur De los Santos and Michael R. Baye, in Shane Greenstein, Avi Goldfarb, and Catherine Tucker (editors), *NBER Book Economic Analysis of the Digital Economy*, The University of Chicago Press, 137-68, 2015.
5. "Prijsseffecten van het zoeken naar een nieuwe auto," with José Luis Moraga-González and Zsolt Sándor, *ESB* 100, 294-97, 2015.
6. "Empirical search and consideration sets," with Elisabeth Honka and Ali Hortaçsu, in Jean-Pierre Dubé and Peter Rossi (editors), *Handbook of the Economics of Marketing (Volume 1)*, Elsevier, 193-257, 2019.
7. "Combating anti-competitive behavior involving algorithms: platform design and organizational process," with Justin Johnson and Andrew Rhodes, *Competition Policy International*, July 2020.

PAPERS UNDER REVIEW AND WORKING PAPERS

1. "Platform design when sellers use pricing algorithms," with Justin Johnson and Andrew Rhodes, July 2021. Revise and resubmit at *Econometrica*.
2. "Agency pricing and bargaining: empirical evidence from the e-book market," with Babur De los Santos and Dan O'Brien, October 2021.
3. "Properties of profit premium in an equilibrium framework," with Zsolt Sándor and Attila Szócs, May 2019.
4. "On the identification of the costs of simultaneous search," with José Luis Moraga-González and Zsolt Sándor, May 2011.

COURSES TAUGHT AT THE UNIVERSITY OF ARIZONA

Empirical Industrial Organization: Doctoral (2022-present).

COURSES TAUGHT AT INDIANA UNIVERSITY

Managerial Economics: Undergraduate (2007-2011) and online MBA (2007-2014).
Business Econometrics: Undergraduate (2019-2022), MBA (2014-2016), and online MBA (2014-2020).
Predictive Analytics for Business Strategy: MBA (2020) and online MBA (2021-2022).
Empirical Industrial Organization: Doctoral (2007-2010).

INVITED GUEST LECTURES

May 2011 Higher School of Economics, Moscow.

ACADEMIC VISITS

Fall 2016 Free University Amsterdam.
 Spring 2007 University of Warwick.
 Spring 2006 Universidad Carlos III de Madrid.

HONORS AND PRIZES

June 2015 International Journal of Industrial Organization Excellence in Reviewing Award.
 September 2007 EARIE Young Economist Essay Award 2007.
 April 2004 Encore Masters' Thesis Prize.

GRANTS AND FELLOWSHIPS

2012 Kelley Research and Instructional Database Committee Matching Grant.
 2009, 2014, 2018, 2022 NET Institute Summer Grant.

EDITORIAL AND REFEREE SERVICE

Associate Editor: *International Journal of Industrial Organization*, 2022-present.

Referee for *American Economic Review*, *Econometrica*, *Journal of Political Economy*, *Review of Economic Studies*, *American Economic Journal: Applied Economics*, *American Economic Journal: Microeconomics*, *American Journal of Agricultural Economics*, *B.E. Journal of Economic Analysis & Policy*, *Economic Inquiry*, *Economic Journal*, *Empirical Economics*, *European Economic Review*, *International Economic Review*, *International Journal of Industrial Organization*, *Journal of Economic Theory*, *Journal of Economics and Management Strategy*, *Journal of Finance*, *Journal of Industrial Economics*, *Journal of Law, Economics and Organization*, *Journal of Money, Credit and Banking*, *Journal of the European Economic Association*, *Management Science*, *Marketing Science*, *National Science Foundation*, *Netherlands Organization for Scientific Research (NWO)*, *Quantitative Economics*, *Quantitative Marketing and Economics*, *RAND Journal of Economics*, *Review of Economic Dynamics*, *Review of Economics and Statistics*, *Review of Industrial Organization*, *Southern Economic Journal*, and *Theoretical Economics*.

ORGANIZATION OF CONFERENCES AND WORKSHOPS

Member of the EARIE Scientific Committee (2015-present). Member of the Program Committee IIOC (2013, 2022). Co-organizer of the fifth Workshop on Search and Switching Costs (2014). Co-organizer of the Tinbergen Institute Workshop in Economic Theory on Information, Search Costs, and Competition (2007).

DEPARTMENTAL AND SCHOOL SERVICE

Coordinator Microeconomics Workshop (2010-2012). Departmental Junior Recruiting Committee (2008, 2010, 2011, 2013-2016). Chair Departmental Recruiting Committee (2018). Member CIBER Advisory Committee (2011-2015). Member Academic Fairness Committee (2015-2016). Member Bonser Lecture Committee (2017-2018). Member Executive Degree Programs Policy Committee (2017-present). Member Teaching and Service Excellence Committee (2020-2021).

INVITED LECTURES AND KEYNOTE SPEECHES

Invited Lecture, EARIE 2015, Munich.

Keynote Speaker, Conference on the Economics of ICT, Paris, 2015.

INVITED SEMINAR TALKS

2022: *The University of Arizona*, *Department of Justice*, *Stony Brook University*, *Yale University*, *Queen's University*

2021: *Boston College*.

2020: *(IO)²*, *MIT*.

2019: *Stanford University*, *University of Vienna*.

2017: *European Commission (DG COMP)*, *Penn State University*.

2016: *Tilburg University*, *University of Mannheim*, *Einaudi Institute for Economics and Finance*, *Humboldt University Berlin (Berlin IO Day)*, *Ohio State University*.

2014: *University of Michigan*.

2013: *University of Chicago Booth School of Business*, *University of North Carolina – Chapel Hill*.

2012: *Ohio State University*.

2011: *Texas A&M University*, *University of Zurich*, *Illinois State University*.

2009: *University of Illinois at Urbana-Champaign*.

2008: *University of Chicago*.

2007: *London School of Economics, University of Warwick, Universidad Carlos III de Madrid, Indiana University.*

2006: *University of Groningen.*

CONFERENCE PRESENTATIONS

2023: *ASSA Annual Meeting* (discussant), New Orleans, LA.

2022: *IIOC* (discussant), Boston, MA; *EARIE Conference*, Vienna; *11th Workshop on Consumer Search and Switching Costs* (discussant), New York, NY.

2021: *ASSA Annual Meeting*, Chicago, IL; *European University Institute Workshop on Pricing Technologies*, Florence, Italy; *IIOC*.

2020: *Workshop on the Economics of Search and Digital Platforms*, Oxford (canceled).

2019: *IIOC*, Boston, MA; *10th Workshop on Consumer Search and Switching Costs* (discussant), Los Angeles, CA; *CEPR Conference on Applied Industrial Organization*, Madrid; *NBER Summer Institute*, Cambridge, MA.

2018: *Tinbergen Institute Workshop on Empirical Industrial Organization*, Amsterdam; *NBER Economics of Digitization Meeting* (discussant), Stanford, CA; *Barcelona GSE Summer Forum on Consumer Search and Switching Costs* (discussant), Barcelona; *NET Institute Conference*, New York.

2017: *Eighth Workshop on Consumer Search and Switching Costs* (discussant), Vienna; *IIOC*, Boston, MA; *Hal White Antitrust Conference*, Washington, DC; *EARIE Conference*, Maastricht.

2016: *Seventh Workshop on Consumer Search and Switching Costs*, Hangzhou; *IIOC*, Philadelphia, PA; *EARIE Conference*, Lisbon.

2015: *ASSA Annual Meeting*, Boston, MA. *CCP Summer Conference*, Norwich. *Econometric Society World Congress*, Montreal; *NET Institute Conference*, New York.

2014: *IIOC*, Chicago, IL; *Fifth Workshop on Consumer Search and Switching Costs* (discussant), Bloomington, IN; *NBER Summer Institute*, Cambridge, MA; *CPB Workshop on Internet Economics and Privacy*, The Hague. *Workshop on Consumer Search*, Bad Homburg.

2013: *IIOC*, Boston, MA; *Fourth Workshop on Consumer Search and Switching Costs* (discussant), Moscow; *NBER Economics of Digitization Conference*, Park City, UT. *9th Invitational Choice Symposium*, Noordwijk, the Netherlands.

2012: *NBER Summer Institute*, Cambridge, MA; *IIOC*, Arlington, VA; *ASSA Annual Meeting*, Chicago, IL. *Tinbergen Institute 25th Anniversary*, Amsterdam.

2011: *Second Workshop on Consumer Search and Switching Costs* (discussant), Groningen; *IIOC*, Boston, MA.

2010: *Annual Congress of the European Economic Association*, Glasgow; *INFORMS Marketing Science Conference*, Cologne; *Third Workshop on the Economics of Advertising and Marketing* (discussant), Barcelona; *IIOC*, Vancouver, BC.

2009: *Far East and South Asia Meeting of the Econometric Society*, Tokyo; *NBER Summer Institute*, Cambridge, MA; *IIOC*, Boston, MA. *Workshop on Consumer Search and Switching Costs*, Groningen.

2008: *IIOC*, Arlington, VA.

2007: *EARIE Conference*, Valencia; *European Meeting of the Econometric Society*, Budapest; *Royal Economic Society Annual Conference*, Coventry; *Royal Economic Society Second PhD Meeting*, London.

2006: *European Winter Meeting of the Econometric Society*, Turin; *NAKE Day*, Amsterdam; *European Meeting of the Econometric Society*, Vienna.

2005: *EARIE Conference*, Porto; *Annual Congress of the European Economic Association*, Amsterdam; *Econometric Society World Congress*, London; *ESRC Centre for Competition Policy Summer Workshop*, Norwich; *Sixth CEPR Conference on Applied Industrial Organization* (discussant), Munich.

2004: *ASSET Annual Meeting*, Barcelona; *EARIE Conference*, Berlin; *European Meeting of the Econometric Society*, Madrid.

PHD STUDENTS (COMMITTEE MEMBER)

1. Guoning Yang (2008, Capital One)
2. Lan Zhang (2010, Southwest University of Finance & Economics)
3. Chenguang Li (2010, JPMorgan Chase)
4. Xiaoxun Gao (2010, Miami University at Ohio)
5. Jung Hoon Lee (2011, Tulane University)
6. Sung Joo Yoon (2011, Korea Institute of Public Finance)
7. Woonam Seok (2011, Korea Energy Economics Institute),
8. Wonsuk Chung (2012, Korea Insurance Research Institute),
9. Pallavi Baral (2013, Microsoft),
10. In Kyung Kim (2014, Nazarbayev University),
11. Yejing Ren (2018)
12. Yu-Hsin Liu (2018, Green Dot)

CONSULTING ACTIVITIES

February 2019 Consultant, Compass Lexecon

PERSONAL INFORMATION

Born February 22, 1979. Male. Married. Two children. Dutch citizen. US permanent resident.