

# Willemien Kets

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## Current Positions

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Associate Professor, Department of Economics, University of Oxford 2017–Present  
Fellow in Economics, The Queen’s College, University of Oxford 2017–Present  
External Professor, Santa Fe Institute 2018–Present

## Education

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Ph.D. in Economics, Tilburg University, 2003–2008  
BSc and MSc in Chemistry, Nijmegen University, 1999. *Highest honors.*

## Publications

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1. A. Heifetz and **W. Kets** (2018), Robust multiplicity with a grain of naiveté. *Theoretical Economics* 13, 415–465.
2. A. Perea and **W. Kets** (2016), When do types induce the same belief hierarchy? *Games* 7(4), 28 (Special issue on Epistemic Game Theory and Logic).
3. J. Y. Halpern and **W. Kets** (2015), Ambiguous Language and Common Priors, *Games and Economic Behavior* 90, pp. 171–180.
4. Y. Feinberg and **W. Kets** (2014), Ranking friends, *Journal of Economic Behavior and Organization* 107, pp. 1–9.
5. J. Y. Halpern and **W. Kets** (2014), A logic for reasoning about ambiguity, *Artificial Intelligence* 209, pp. 1–10. *Invited submission.*
6. **W. Kets** (2011), Robustness of equilibria in anonymous local games, *Journal of Economic Theory* 146, pp. 300–325.
7. **W. Kets**, G. Iyengar, R. Sethi, and S. Bowles (2011), Inequality and network structure, *Games and Economic Behavior* 73, pp. 215–226.
8. M. Deijfen and **W. Kets** (2009), Random intersection graphs with a tunable degree distribution and clustering, *Probability in the Engineering and Informational Sciences* 23, pp. 661–674.
9. **W. Kets** and M. Voorneveld (2008), Learning to be prepared, *International Journal of Game Theory* 37, pp. 333–352.
10. M. Voorneveld, **W. Kets** and H. Norde (2005), An axiomatization of minimal curb sets, *International Journal of Game Theory* 33, pp. 479–490. *Invited submission*

## Publications in Physics

11. R. de Kort, M. C. M. M. van der Wielen, A. J. A. van Roij, **W. Kets** and H. van Kempen (2001), Zn- and Cd-induced features at the GaAs(110) and InP(110) surfaces studied by low-temperature scanning tunneling microscopy, *Physical Review B* 63, 125336.
12. R. de Kort, **W. Kets** and H. van Kempen (2001), A low-temperature scanning tunneling microscopy study on the Sn- and Zn-doped InP(110) surfaces, *Surface Science* 482, pp. 495–500.

## Conference Proceedings

13. **W. Kets**, D. Pennock, R. Sethi, and N. Shah (2014), Betting Strategies, Market Selection, and the Wisdom of Crowds, *Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI-14)*.
14. J. Y. Halpern and **W. Kets** (2012), Ambiguous language and differences in beliefs, *Proceedings of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR2012)*. *Ray Reiter Best Paper Award*.

## Peer-Reviewed Surveys

15. **W. Kets** (2010), Learning with fixed rules: The minority game, *Journal of Economic Surveys* 26, pp. 763–970.
16. **W. Kets** and P.J.G. Tang (2004), Free trade and its enemies, *De Economist* pp. 427–437.

## Writing for the General Public and Policy Papers

1. Want more innovation? Get more diversity, *Chronicle of Higher Education*, 23 November 2015.
2. What this U.S. Supreme Court Justice Gets Wrong About Diversity, *Fortune*, 16 December 2015.
3. A Compelling Case for Hiring Someone on the Autism Spectrum (with Sarah C. Bauer), *Crain's Chicago Business*, 15 April 2016.
4. Police brutality drivers impossible to uncover without accurate stats (with Rajiv Sethi), *The Hill*, 19 July 2016.
5. Non-CO<sub>2</sub> Greenhouse Gases: All Gases Count (with Gerard Verweij). CPB Discussion Paper 44, 2005.
6. Sectoral TFP Developments in the OECD (with Arjan Lejour). CPB Memorandum 58, 2003.

## Working papers

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1. A Theory of Strategic Uncertainty and Cultural Diversity (with Alvaro Sandroni). *R&R at ReStud*.
2. A belief-based theory of homophily (with Alvaro Sandroni). *R&R at GEB*.
3. Bounded reasoning and higher-order uncertainty. *Submitted*.
4. Bounded Reasoning: Rationality or Cognition (with Amanda Friedenber and Terri Kneeland). *Submitted*.
5. Finite depth of reasoning and equilibrium play in games with incomplete information.

## Past Positions

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Assistant Professor, MEDS, Kellogg School of Management, Northwestern U.	July 2011–2017
Research Fellow, U.C. Irvine	Nov. 2010–June 2011
Omidyar Fellow, Santa Fe Institute	Jan. 2008–Oct. 2010
Research fellow, Netherlands Bureau of Economic Policy Analysis (CPB)	2001–2003
Policy analyst, Dutch Ministry of Social Affairs and Employment	2000–2001

## Awards and Fellowships

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John Fell Research Grant	2018
Kellogg Certificate of Impact Teaching Award	2017
Northwestern University Public Voices Fellowship	2015–2016
Kellogg Research Grant	2014
Ray Reiter Best Paper Award	2012
Omidyar Fellowship	2008–2010
Travel grant, Econometric Society	2010
Royal Netherlands Academy of Arts and Sciences Grant	2008
Santa Fe Institute CSSS Alumni Fellowship	2006
University Prize, Nijmegen University	2000
Visitor's grant St. John's College, Oxford	1999
European Union ERASMUS Scholarship	1999
Royal Dutch/Shell Excellence Scholarship	1994–1999

## Teaching

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Behavioral Economics (graduate, lectures, Oxford)	2018–
Game Theory (undergraduate, lectures, Oxford)	2017–
Intermediate Microeconomics (tutorials & lectures, Oxford)	2017–
Introductory Microeconomics (tutorials, Oxford)	2017–
Managerial Economics (MBA, Kellogg School of Management)	2012–2017
Logic and Game Theory (graduate level, Tilburg University)	2009
Social and Economic Networks (graduate, lectures, Tilburg University)	2008
Minicourse Networks and Games (graduate, lectures, Vanderbilt)	2008
Supervision of undergraduate research projects (NSF/REU)	2008–2009
Microeconomics (graduate, lectures, TA, Tilburg University)	2007
Supervision of bachelor theses (Tilburg University)	2005–2006
Advanced Microeconomics (undergraduate, lectures, Tilburg University)	2005
Advanced Microeconomics (undergraduate, TA, Tilburg University)	2004
Statistical Mechanics (undergraduate, TA, Utrecht University)	2000

## Other Positions and Research Visits

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Development Research Group, World Bank	Aug. 2018
Visiting Scholar, U. of Bonn	Nov.–Dec. 2016, Apr.–May 2017
Visiting Scholar, U. of Warwick	Oct.–Nov. 2016, Mar.–Apr 2017
Visiting Scholar, NYU (CESS)	Sept.–Oct. 2015
Visiting Scholar, Stanford U.	Oct. 2009–Dec. 2010
Visiting Scholar, NYU Stern School of Business	Sept.–Nov. 2010
Visiting Scholar, Cornell U.	Apr. 2009
Visiting Scholar, LIDS, MIT	Jan. 2009
Extramural Fellow, CentER, Tilburg University	Oct. 2007–Present
Visiting Student, Santa Fe Institute	July 2006
Visiting Student (physics), University of Oxford	Jan.–July 1999

## Seminars and Invited Talks

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**2018–2019** University of Zürich (2 ×); London Business School; Workshop Decentralization & Incentives (Johns Hopkins); LSE Behavioural Political Economy Workshop; Bristol-Kent-Southampton workshop in Economic Theory; Humboldt Universität Berlin/Freie Universität/ESMT/TU Berlin (joint seminar); Lund; Graz; Bilbao; ERINN Workshop (LSE).

**2017–2018** Workshop on Economic Design and Institutions (Brussels); Carnegie Mellon philosophy colloquium & seminar; University of Oxford.

**2016–2017** University of Michigan; Penn State; Queen Mary University of London; University of Warwick; Pittsburgh/Carnegie Mellon (joint seminar); University of Cambridge (INET); University of Essex; University of Bonn; University of Edinburgh; Humboldt Universität Berlin/Freie Universität (joint seminar); University of East Anglia; Nottingham CEDEX; Maastricht University; Max Planck Institute for Research on Collective Goods; SFI Postdocs in Complexity Conference.

**2014–2015** Columbia; UCL Workshop on Recent Advances in Behavioral Game Theory; Purdue; CERGE-EI (Prague); University of Bonn; Institute for Logic, Language, and Computation (University of Amsterdam); Barcelona GSE Workshop.

**2013–2014** Duke; Bocconi; Paris School of Economics; Maastricht University; Toulouse School of Economics; UW Madison; University of Arizona; Northwestern (bag lunch); Penn State; NYU; Queen’s University (Canada); ASSA meetings (invited discussant); University of Amsterdam.

**2012–2013** Yale; Northwestern (bag lunch).

**2011–2012** Brown; U. Penn; U. of Chicago; Northwestern (Northwestern Institute on Complex Systems); Northwestern (EECS).

**2010–2011** U.T. Austin; CUNY (Computer science); Stanford (Micro Theory Lunch); U.C. Davis; U.C. Irvine (Logic and Philosophy of Science); Workshop on Game Theory (Tsukuba, Japan); U.C.L.A.; Workshop on Behavior on Networks (Irvine); C.U. Boulder; U. of Toronto; Penn State; Fuqua School of Business; Kellogg School of Management; Indiana U.; Columbia; UQAM; Rochester; University College London; U. of Essex; U. of Warwick; U. of Pittsburgh; Stony Brook Workshop on Bounded Rationality.

**2009–2010** SITE Workshop on Social Capital (Stanford, invited discussant); Behavioral and Quantitative Game Theory Conference (Newport Beach); Stanford (Micro Theory Lunch); U.C. Irvine; U. of Amsterdam (ILLC); U.C. Irvine (IMBS).

**2008–2009** Conference in Honor of Wayne Shafer (UIUC); Vanderbilt U.; Indiana U.; MIT (LIDS); U. of Arizona; Arizona State U. (brown bag); Cornell U.; U. of Edinburgh; U. of Amsterdam; PALMYR Workshop on Formal Epistemology; Los Alamos National Laboratory; U.C. San Diego.

**2007–2008** U. of Konstanz; U. of Warwick; U. of Amsterdam (ILLC); Conference in Memory of Toni Calvó-Armengol (U. Autònoma, invited discussant).

**2006–2007** U. of Bielefeld; U. of Alicante; Santa Fe Institute; Paris School of Economics; EU Workshop on Random Graphs.

## Conference Presentations

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**2018** Barcelona GSE Summer Forum, ESSET/CEPR Gerzensee.

**2017** 5th European Conference on Networks (UCL); Barcelona GSE Summer Forum; SAET (Faro).

**2016** NSF/CME Decentralization Conference (Brown); NSF Conference on Network Science in Economics (Stanford); Toulouse Workshop Norms, Actions, Games; World Congress Game Theory Society.

**2015** Canadian Economic Theory Conference; Workshop on Social and Information Networks (ACM-EC; Portland); SAET (Cambridge, UK); Econometric Society World Congress (Montréal); Workshop on Welfare Evaluation under Subjective Expectations (Milan).

**2014** Canadian Economic Theory Conference (Vancouver); Maastricht Behavioral and Experimental Economics Symposium; Econometric Society European Meeting (Toulouse); Transatlantic Theory Workshop (Paris).

**2013** SAET (Paris); Workshop on Stochastic Methods in Game Theory (Erice).

**2012** Econometric Society Summer meeting (Northwestern U.); World Congress Game Theory Society (Istanbul).

**2011** Canadian Economic Theory Conference (Vancouver), NSF/NBER Mathematical Economics/GE conference (Iowa City).

**2010** Midwest Economic Theory (Northwestern U.); 21st Game Theory Festival (Stony Brook); Econometric Society World Congress (Shanghai).

**2009** SAET (Ischia).

**2008** Third World Congress of the Game Theory Society (Northwestern U.).

**2007** Coalition Theory Network Meeting (Louvain-la-Neuve); SAET (Kos); APET (Nashville).

**2006** Econometric Society European Meeting (Vienna); NAKE Research Day (Amsterdam).

**2005** Xth Spring Meeting of Young Economists (Geneva), NAKE Research Day (Amsterdam).

## Professional Activities

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**Editorial Activity:** International Journal of Game Theory (Associate Editor, 2017–present), Research in Economics (Associated Editor, 2018–present), Oxford Economic Papers (Editorial Board, 2017–present), De Economist (Associate Editor, 2014–present).

**Refereeing:** AEJ Micro, American Economic Review, Econometrica, Economics Letters, Economic Journal, Economic Theory, European Economic Review, Games and Economic Behavior, Games, International Game Theory Review, International Journal of Game Theory, Israel Science Foundation, Journal of Mathematical Psychology, Journal of Applied Probability, Journal of Economic Behavior and Organization, Journal of Economic Theory, Journal of the European Economic Association, Journal of Mathematical Economics, Journal of Public Economic Theory, Journal of Theoretical Biology, Mathematical Social Sciences, Review of Network Economics, Science Advances, Social Networks, Synthese, Theory and Decision.

**Program Committee:** European Economic Association Annual Congress (2019), Royal Economic Society (2018–2021), ACM Conference on Electronic Commerce (2012); LOFT (Logic and the Foundations of Game and Decision Theory, 2012, 2014, 2016, 2018), LORI (Logic, Rationality and Interaction, 2017).

**PhD students (committee):** Luciano Pomatto (2015; first placement: Cowles Foundation postdoc and Caltech), Philip Marx (2017; first placement: Harvard postdoc).

**Other:** Co-organizer Workshop “The identification of rationality in markets and games” (Warwick, 2017); Course coordinator Managerial Economics (Kellogg, 2014); Organizer Theory Workshop (Northwestern University, 2012–2013, 2015–2016); Member Junior Recruiting Committee Kellogg MEDS (2011–2012, 2012–2013, 2014–2015); Organizer Workshop “Reasoning, Perception and Beliefs in Strategic Settings” (Santa Fe Institute, 2010); Organizer Conference “Networks and Games” (Tilburg, 2008); Co-organizer Behavioral Sciences seminar series (Santa Fe Institute, 2008–2010); Co-organizer Colloquium series (Santa Fe Institute, 2008–2010); Session organizer SAET 2009, 2013, 2015, 2017.