

Curriculum Vitae

Mark Voorneveld
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Personal particulars

Name : Voorneveld
First name : Mark
Date of birth : October 25, 1973
Place of birth : Utrecht, The Netherlands
Sex : Male
Nationality : Dutch, permanent residence permit in Sweden
Marital status : Married, two children (Swedish citizens)

Professional experience

September 2003 — present Associate professor, Stockholm School of Economics (tenured)

September 2010 — present Extramural Fellow, CentER, Tilburg University.

September 2003 — April 2010 Associate professor, Stockholm School of Economics (tenured) and Tilburg University.

May 2003 — August 2003 Visiting researcher, Växjö University.

May 2001 — April 2003 Marie Curie Research Fellow, Department of Economics, Stockholm School of Economics.

August 1999 — April 2001 Researcher, Department of Econometrics and CentER, Tilburg University.

August 1999 — April 2001 Assistant professor in mathematics, Department of Mathematics, Utrecht University.

Sept 1996 — Dec 1999 Ph.D. student, CentER Graduate School, Tilburg University.

Sept 1994 — Aug 1996 Research and teaching assistant, Department of Econometrics, Tilburg University.

Academic education

- Sept 1996 — Dec 1999 Ph.D. degree (*cum laude*) in economics and game theory, Tilburg University. Thesis: “Potential Games and Interactive Decisions with Multiple Criteria”, supervised by professors Stef Tijs and Peter Borm.
- Sept 1992 — Aug 1996 Master’s degree (*cum laude*) in mathematical economics and game theory, Tilburg University. Thesis: “Strategic Games and Potentials”, supervised by professors Stef Tijs and Peter Borm.

Grants and Prizes

SSE MSc teacher of the year, 2017.

Stockholm School of Economics Corporate Partners Research Prize, 2013.

Research grant (VIDI) from the Netherlands Organization for Scientific Research (NWO), May 2004 – April 2009.

Research grant from Jan Wallanders and Tom Hedelius Stiftelse, September 2003 – August 2005, September 2006 – August 2008, September 2008 – August 2011, September 2011 – August 2016, September 2016 – August 2019.

SNS Bank Prize for the best Ph.D. dissertation at CentER and Tilburg University.

Marie Curie Research Fellowship (MCFI-2000-00174) from the European Community for my research project ‘Decision Procedures of Interacting Organizations’.

Research grant 613-304-051 from the Dutch Mathematics Research Foundation, part of the Netherlands Organization for Scientific Research (NWO), for my Ph.D. project.

Gratification for excellence in teaching, academic year 1999 – 2000.

Main research interests

Game theory

Microeconomic theory

Decision theory and bounded rationality

Organizational experience

- Sept 2008 — Dec 2011 Coordinator departmental seminar, Stockholm School of Economics
- Jan 1998 — April 2001 Coordinator of research and reading groups on
- (a) bounded rationality,
 - (b) economics and language.
- Sept 1996 — Feb 1999 Coordinator of the game theory seminars at Tilburg University.

Teaching experience

- Lecturing on:
- microeconomic theory and mathematical economics
 - industrial organization
 - game theory
 - statistical decision theory/decision making under uncertainty
 - mathematics
- Tutorials on:
- the areas above

Papers published/accepted for publication

1. JONSSON, A., AND VOORNEVELD, M. (2018): “The limit of discounted utilitarianism”, *Theoretical Economics* 13, 19–37.
2. VOORNEVELD, M. (2017): “An elementary direct proof that the Knaster-Kuratowski-Mazurkiewicz lemma implies Sperner’s lemma”, *Economics Letters* 158, 1–2.
3. ASHEIM G.B., VOORNEVELD M., AND WEIBULL J.W. (2016): “Epistemically robust strategy subsets.”, *Games* 7, 37, doi:10.3390/g7040037
4. VOORNEVELD, M., AND WEIBULL, J. W. (2016): “An elementary proof that well-behaved utility functions exist”, *Theoretical Economics Letters* 6, 450–457.
5. PETRI, H., AND VOORNEVELD, M. (2016): “Characterizing lexicographic preferences”, *Journal of Mathematical Economics* 63, 54–61.
6. JONSSON, A., AND VOORNEVELD, M. (2015): “Utilitarianism on infinite utility streams: summable differences and finite averages”, *Economic Theory Bulletin* 3, 19–31.
7. VOORNEVELD, M. (2014): “From preferences to Leontief utility”, *Economic Theory Bulletin* 2, 197–204.
8. FEINBERG E. A., KASYANOV, P.O., AND VOORNEVELD M. (2014): “Berge’s maximum theorem for noncompact image sets”, *Journal of Mathematical Analysis and Applications* 413, 1040–1046.
9. VOORNEVELD, M. (2011): “Review: An introductory course on mathematical game theory”, *Games and Economic Behavior* 71, 534–538.
10. TSAKAS, E., VOORNEVELD, M. (2011): “On consensus through communication without a commonly known protocol”, *Journal of Mathematical Economics* 47, 733–739.
11. VOORNEVELD, M., WEIBULL, J.W. (2011): “A scent of lemon — Seller meets buyer with a noisy quality observation”, *Games* 2, 136–159.
12. VOORNEVELD, M., VAN DEN NOUWELAND, A., AND MCLEAN, R. (2011): “Axiomatizations of the Euclidean compromise solution”, *International Journal of Game Theory* 40, 427–448.
13. KUIPERS J., VERMEULEN D., AND VOORNEVELD M. (2010): “A generalization of the Shapley-Ichiishi result”, *International Journal of Game Theory* 39, 585–602.
14. VOORNEVELD, M. (2010): “The possibility of impossible stairways: Tail events and countable player sets”, *Games and Economic Behavior* 68, 403–410.

15. TERCIEUX, O. AND VOORNEVELD, M. (2010): “The cutting power of preparation”, *Mathematical Methods of Operations Research* 71, 85–101.
16. TSAKAS, E., AND VOORNEVELD, M. (2009): “The target projection dynamic”, *Games and Economic Behavior* 67, 708–719.
17. SPIERDIJK, L. AND VOORNEVELD, M. (2009): “Superstars without talent? The Yule distribution controversy”, *Review of Economics and Statistics* 91, 648–652.
18. KETS, W. AND VOORNEVELD, M. (2008): “Learning to be prepared”, *International Journal of Game Theory*, 37, 333–352.
19. MOSQUERA, M.A., BORM, P., FIESTRAS-JANEIRO, G., GARCÍA-JURADO, I., VOORNEVELD, M. (2008): “Characterizing cautious choice”, *Mathematical Social Sciences*, 55, 143–155.
20. MATTSSON, L.-G., VOORNEVELD, M., WEIBULL, J.W. (2007): “Better may be worse: Some monotonicity results and paradoxes in discrete choice”, *Theory and Decision*, 63, 121–151.
21. REIJNIERSE H., BORM P., VOORNEVELD M. (2007): “Informationally robust equilibria”, *Economic Theory*, 30, 539-560.
22. VOORNEVELD M. (2006): “Probabilistic choice in games: properties of Rosenthal’s t -solutions”, *International Journal of Game Theory*, 34, 105-121.
23. VOORNEVELD M., KETS W., NORDE H. (2006): “An axiomatization of minimal curb sets; erratum”, *International Journal of Game Theory*, 34, 153.
24. QUANT, M., BORM, P., REIJNIERSIE, H., VOORNEVELD, M. (2006): “A note on the β -measure for digraph competitions”, *TOP (Journal of the Spanish Statistical and Operations Research Society)*, 14, 167-176.
25. VOORNEVELD M., KETS W., NORDE H. (2005): “An axiomatization of minimal curb sets”, *International Journal of Game Theory*, 33, 479-490.
26. VOORNEVELD M. (2005): “Persistent retracts and preparation”, *Games and Economic Behavior*, 51, 228-232.
27. VOORNEVELD M. (2004): “Preparation”, *Games and Economic Behavior*, 48, 403-414.
28. NORDE H. AND VOORNEVELD M. (2004): “Characterizations of the value of matrix games”, *Mathematical Social Sciences*, 48, 193-206.
29. BORM P., QUANT M., REIJNIERSE H., AND VOORNEVELD M. (2003): “On a compromise social choice correspondence”, *TOP (Journal of the Spanish Statistical and Operations Research Society)*, 11, 311-324.
30. DROSTE E., KOSFELD M., AND VOORNEVELD M. (2003): “Best-reply matching in games”, *Mathematical Social Sciences*, 46, 291-309.
31. BORM P., VERMEULEN D., AND VOORNEVELD M. (2003): “The structure of the set of equilibria for two person multicriteria games”, *European Journal of Operational Research*, 148, 480-493.
32. KOSTER M., REIJNIERSE H., AND VOORNEVELD M. (2003): “Voluntary contributions to multiple public projects”, *Journal of Public Economic Theory*, 5, 25-50.
33. VOORNEVELD M. (2003): “Characterization of Pareto dominance”, *Operations Research Letters*, 31, 7-11.

34. VOORNEVELD M., TIJS S., AND GRAHN S. (2003): "Monotonic allocation schemes in clan games", *Mathematical Methods of Operations Research*, 56, 439-449.
35. KOSFELD M., DROSTE E., AND VOORNEVELD M. (2002): "A myopic adjustment process leading to best-reply matching", *Games and Economic Behavior*, 40, 270-298.
36. VOORNEVELD M. AND GRAHN S. (2002): "Cost allocation in shortest path games", *Mathematical Methods of Operations Research*, 56, 323-340.
37. VOORNEVELD M. (2002): "Maximum likelihood equilibria in games with population uncertainty", *International Game Theory Review*, 4, 391-403.
38. GRAHN S. AND VOORNEVELD M. (2002): "Population monotonic allocation schemes in bankruptcy games", *Annals of Operations Research*, 109, 317-329.
39. VOORNEVELD M. AND NORDE H. (2002): "Population uncertainty and equilibrium selection: a maximum likelihood approach", in *Chapters in Game Theory: Essays in Honor of Stef Tijs*, Borm P.E.M. and Peters H. (eds.), Kluwer Academic Publishers, Chapter 14, pp. 287-314.
40. BORM P., FIESTRAS-JANEIRO G., HAMERS H., SÁNCHEZ E., AND VOORNEVELD M. (2002): "On the convexity of games corresponding to sequencing situations with due dates", *European Journal of Operational Research*, 136, 616-634.
41. VOORNEVELD M., BORM P., VAN MEGEN F., TIJS S., AND FACCHINI G. (2000): "Congestion games and potentials reconsidered", *International Game Theory Review*, 1, 283-299.
42. MALLOZZI L., TIJS S., AND VOORNEVELD M. (2000): "Infinite hierarchical potential games", *Journal of Optimization Theory and Applications*, 107, 289-298.
43. VOORNEVELD M., GRAHN S., DUFWENBERG M. (2000): "Ideal equilibria in noncooperative multicriteria games", *Mathematical Methods of Operations Research*, 52, 65-77.
44. VOORNEVELD M. (2000): "Best-response potential games", *Economics Letters*, 66, 289-295.
45. VOORNEVELD M., TIJS S., AND MALLOZZI L. (1999): "Sequential production situations and potentials", *Game Practice: Contributions from Applied Game Theory*, Patrone F., García-Jurado I., and Tijs S. (eds), Theory and Decision Library C, Kluwer Academic Publishers, Chapter 16, pp. 241-258.
46. VOORNEVELD M. (1999): "Pareto optimal security strategies as minimax strategies of a standard matrix game", *Journal of Optimization Theory and Applications*, 102, 203-210.
47. BISWAS A.K., PARTHASARATHY T., POTTERS J.A.M., AND VOORNEVELD M. (1999): "Large cores and exactness", *Games and Economic Behavior*, 28, 1-12.
48. VOORNEVELD M., VERMEULEN D., AND BORM P. (1999): "Axiomatizations of Pareto equilibria in multicriteria games", *Games and Economic Behavior*, 28, 146-154.
49. VOORNEVELD M. AND VAN DEN NOUWELAND A. (1998): "A new axiomatization of the core of games with transferable utility", *Economics Letters*, 60, 151-155.
50. VOORNEVELD M. AND NORDE H. (1997): "A characterization of ordinal potential games", *Games and Economic Behavior*, 19, 235-242.
51. VOORNEVELD M. (1997): "Equilibria and approximate equilibria in infinite potential games", *Economics Letters*, 56, 163-169.

PhD dissertation

VOORNEVELD M. (1999): *Potential Games and Interactive Decisions with Multiple Criteria*, CentER Dissertation Series 61, Tilburg, The Netherlands.

Working papers

The following working papers were submitted for publication in international journals.

1. PETRI, H., AND VOORNEVELD, M. (2016): “No bullying! A childish proof of the Brouwer fixed-point theorem”, SSE Working Paper Series in Economics, No. 2016:3.

Memberships

Econometric Society, Game Theory Society, American Mathematical Society

Recent refereeing activities

American Economic Review, Journal of Economic Theory, Games and Economic Behavior, International Journal of Game Theory, Applied Mathematics Letters, Journal of Public Economic Theory, Mathematical Social Sciences, International Game Theory Review

Editorial board

Applied Mathematics Research Express (Oxford University Press)

Supervised PhD students

Willemien Kets (2008); first placement Santa Fe Institute, USA.

Elias Tsakas (2008); first placement Maastricht University, the Netherlands.

Gökhan Buturak (2011); first placement Yasar University, Turkey.

Uuganbaatar Ninjbat (2012); first placement National University of Mongolia.

Henrik Petri (ongoing).