

Bettina-Elisabeth Klaus

University of Lausanne

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EDUCATION

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|-----------|---------|--|
| Ph.D. | School: | Maastricht University, The Netherlands. |
| | Date: | January 1998 |
| | Major: | Quantitative Economics |
| M.S.\B.A. | School: | Technical University of Aachen, Germany. |
| | Date: | February 1994 |
| | Major: | Mathematics |

UNIVERSITY POSITIONS

Full Professor, Department of Economics, HEC, University of Lausanne: 2009 – present.

NWO (Dutch Science Foundation) funded researcher: 2006 – 2011.

Associate Professor, Department of Economics, Maastricht University, Maastricht, The Netherlands: 2006 – 2011 (since 2008 part-time).

Research Fellow, Harvard Business School, Harvard University, Cambridge, USA: 2008 – 2009.

Assistant Professor, Department of Economics, Maastricht University, Maastricht, The Netherlands: 2005 – 2006.

Ramòn y Cajal researcher, Department of Economics, Universitat Autònoma de Barcelona, Barcelona, Spain: 2002 – 2004.

Assistant Professor, Department of Economics and Department of Agricultural Economics, University of Nebraska, Lincoln, USA: 1998 – 2002.

PUBLICATIONS

Articles in Refereed Journals

1. I. Ashlagi, E. Karagozoglu, and B. Klaus (2012): "A Noncooperative Support for Equal Division in Estate Division Problems," *Mathematical Social Sciences*, forthcoming.
2. B. Klaus and O. Bochet (2011): "The Relation between Monotonicity and Strategy-Proofness," *Social Choice and Welfare*, in press.
3. B. Klaus, F. Klijn, and M. Walzl (2011): "Farsighted Stability for Roommate Markets," *Journal of Public Economic Theory*, 13, 921-933.
4. L. Ehlers and B. Klaus (2011): "Corrigendum to "Resource-Monotonicity for House Allocation Problems"," *International Journal of Game Theory*, 40, 281-287.
5. B. Klaus (2011): "Competition and Resource Sensitivity in Marriage and Roommates Markets," *Games and Economic Behavior*, 72, 172-186.
6. B. Klaus, O. Bochet, and M. Walzl (2011): "A Dynamic Recontracting Process for Multiple-Type Housing Markets," *Journal of Mathematical Economics*, 47, 84-98.
7. B. Klaus, F. Klijn, and M. Walzl (2010): "Stochastic Stability for Roommate Markets," *Journal of Economic Theory*, 145, 2218-2240.
8. B. Klaus, F. Klijn, and M. Walzl (2010): "Farsighted House Allocation," *Journal of Mathematical Economics*, 46, 817-824.
9. C.-J. Haake and B. Klaus (2010): "Stability and Nash Implementation in Matching Markets with Couples," *Theory and Decision*, 69, 537-554.
10. B. Klaus and F. Klijn (2010): "Smith and Rawls Share a Room: Stability and Medians," *Social Choice and Welfare*, 35, 647-667.
11. B. Klaus and A. Nichifor (2010): "Consistency for One-Sided Assignment Problems," *Social Choice and Welfare*, 35, 415-433.
12. B. Klaus (2010): "The Role of Replication-Invariance: Two Answers Concerning the Problem of Fair Division when Preferences are Single-Peaked," *The B.E. Journal of Theoretical Economics: Contributions*, 10(1), Article 14.
13. B. Klaus and F. Klijn (2009): "Employment by Lotto Revisited," *International Game Theory Review*, 11, 181-198.
14. C.-J. Haake and B. Klaus (2009): "Monotonicity and Nash Implementation in Matching Markets with Contracts," *Economic Theory*, 41, 393-410.
15. B. Klaus (2009): "'Fair Marriages: "An Impossibility," *Economics Letters*, 105, 74-75.
16. B. Klaus, F. Klijn, and T. Nakamura (2009): "Corrigendum: Stable Matchings and Preferences of Couples," *Journal of Economic Theory*, 144, 2227-2233.
17. B. Klaus and M. Walzl (2009): "Stable Many-to-Many Matchings with Contracts," *Journal of Mathematical Economics*, 45, 422-434.
18. B. Klaus (2008): "The Coordinate-Wise Core for Multiple-Type Housing Markets is Second Best Incentive Compatible," *Journal of Mathematical Economics*, 44, 919-924.

19. B. Klaus, F. Klijn, and J. Masso (2007): "Some Things Couples always wanted to know about Stable Matchings (but were afraid to ask)," *Review of Economic Design*, 11, 175-184.
20. B. Klaus and F. Klijn (2007): "Fair and Efficient Student Placement with Couples," *International Journal of Game Theory*, 36(2), 177-207.
21. B. Klaus and F. Klijn (2007): "Paths to Stability for Matching Markets with Couples," *Games and Economic Behavior*, 58, 154-171.
22. B. Klaus and F. Klijn (2007): "Corrigendum to "On Randomized Matching Mechanisms" [Economic Theory 8(1996)377-381]," *Economic Theory*, 32, 411-416.
23. L. Ehlers and B. Klaus (2007): "Consistent House Allocation," *Economic Theory*, 30, 561-574.
24. M. Atlamaz and B. Klaus (2007): "Endowment Strategy-Proofness in an Exchange Market with Indivisible Goods," *Social Choice and Welfare*, 28(1), 1-18.
25. L. Ehlers and B. Klaus (2006): "Efficient Priority Rules," *Games and Economic Behavior*, 55(2), 372-384.
26. B. Klaus and F. Klijn (2006): "Procedurally Fair and Stable Matching," *Economic Theory*, 27(2), 431-447.
27. B. Klaus and F. Klijn (2006): "Median Stable Matching for College Admission," *International Journal of Game Theory*, 34(1), 1-11.
28. B. Klaus (2006): "A Note on the Separability Principle in Economies with Single-Peaked Preferences," *Social Choice and Welfare*, 26(2), 255-261.
29. B. Klaus, D. Dimitrov, and C.-J. Haake (2006): "Bundling in Exchange Markets with Indivisible Goods," *Economics Letters*, 93, 106-110.
30. B. Klaus and F. Klijn (2005): "Stable Matchings and Preferences of Couples," *Journal of Economic Theory*, 121(1), 75-106.
31. L. Ehlers and B. Klaus (2004): "Resource-Monotonicity for House Allocation Problems," *International Journal of Game Theory* 32(4), 545-560 (August 2004).
32. L. Ehlers and B. Klaus (2003): "Probabilistic Assignments of Identical Indivisible Objects and Probabilistic Uniform Rules," *Review of Economic Design* 8(3), 249-268.
33. L. Ehlers and B. Klaus (2003): "Coalitional Strategy-Proofness, Resource-Monotonicity, and Separability for Multiple Assignment Problems," *Social Choice and Welfare* 21(2), 265-280.
34. L. Ehlers, B. Klaus, and S. Pápai (2002): "Strategy-Proofness and Population-Monotonicity for House Allocation Problems," *Journal of Mathematical Economics* 38(3), 329-339.
35. R. Supalla, B. Klaus, O. Yeboa, and R. Bruins (2002): "A Game Theory Approach to Deciding Who Will Supply Instream Flow Water," *Journal of the American Water Resources Association* 38(4), August 2002, 959-966.
36. B. Klaus and T. Storcken (2002): "Choice Correspondences for Public Goods," *Social Choice and Welfare* 19(1), 127-154.
37. B. Klaus and E. Miyagawa (2002): "Strategy-Proofness, Solidarity, and Consistency for Multiple Assignment Problems," *International Journal of Game Theory* 30(3), 421-435.
38. B. Klaus (2001): "Uniform Allocation and Reallocation Revisited," *Review of Economic Design* 6(1), 85-98.

39. B. Klaus (2001): "Coalitional Strategy-Proofness in Economies with Single-Dipped Preferences and the Assignment of an Indivisible Object," *Games and Economic Behavior* 34(1), 64-82.
40. B. Klaus (2001): "Population-Monotonicity and Separability for Economies with Single-Dipped Preferences and the Assignment of an Indivisible Object," *Economic Theory* 17(3), 675-692.
41. L. Ehlers and B. Klaus (2001): "Solidarity and Probabilistic Target Rules," *Journal of Public Economic Theory* 3(2), 167-184.
42. B. Klaus (2001): "Target Rules for Public Choice Economies on Tree Networks and in Euclidean Spaces," *Theory and Decision* 51(1), 13-29.
43. B. Klaus, H. Peters, and T. Storcken (1998): "Strategy-Proof Division with Single-Peaked Preferences and Individual Endowments," *Social Choice and Welfare* 15(2), 297-311.
44. B. Klaus, H. Peters, and T. Storcken (1997): "Strategy-Proof Division of a Private Good when Preferences are Single-Dipped," *Economics Letters* 55(3), 339-346.
45. B. Klaus, H. Peters, and T. Storcken (1997): "Reallocation of an Infinitely Divisible Good," *Economic Theory* 10(2), 305-333.

Articles in Conference Proceedings and Books

1. R. J. Supalla, O. Yeboah, B. Klaus, J.C. Allen, D.E. Jelinski, V.B. Serveiss, and R.J.F. Bruins (2004): "Seeking Solutions for an Interstate Conflict over Water and Endangered Species: Platte River Watershed," In: *Economics and Ecological Risk Assessment: Applications to Watershed Management*, CRC Press.
2. R. J. Supalla, O. Yeboah, B. Klaus, J.C. Allen, and R.J.F. Bruins (2000): "Game Theory as a Watershed Management Tool: A Case Study of the Middle Platte Ecosystem," Symposium Proceedings *Integrated Decision-Making for Watershed Management Symposium: Processes and Tools*, Virginia Polytechnic Institute and State University Publisher, Blacksburg Virginia, Publication VWRRC7-2001, pages 796-811.
3. B. Klaus (1999): "Status Quo Solutions for Public Choice Economies on Tree Networks and in Euclidean Spaces," In: *Logic, Game Theory and Social Choice: Proceedings of the International Conference LGS'99*, ed. Harrie de Swart, Tilburg University Press, 214-225.
4. B. Klaus, H. Peters, and T. Storcken (1998): "Strategy-Proof Reallocation of an Infinitely Divisible Good," In: *Charlemagne and the Liberal Arts: 1200 Years of Civilization and Science in Europe*, Volume 2: Mathematical Arts, eds. P.L. Butzer, H.Th. Jongen, W. Oberschelp, Aachen: Brepols Verlag, 455-470.
5. B. Klaus and H. Peters (1998): "Maastricht in Science from Minckelers to Debye: Some Historical Notes," In: *Charlemagne and the Liberal Arts: 1200 Years of Civilization and Science in Europe*, Volume 2: Mathematical Arts, eds. P.L. Butzer, H.Th. Jongen, W. Oberschelp, Aachen: Brepols Verlag, 91-106.
6. B. Klaus (1997): "The Characterization of the Uniform Reallocation Rule without Pareto Optimality," *Game Theoretical Applications to Economics and Operations Research*, eds. T. Parthasarathy, B. Dutta, J.A.M. Potters, T.E.S. Raghavan, D. Ray, and A. Sen, Dordrecht, Kluwer-Academic Publishers, 239-255.

Other Publications

1. B. Klaus (1998): "Fair Allocation and Reallocation: An Axiomatic Study," Ph.D. Thesis Maastricht University, Unigraphic, Maastricht, The Netherlands (ISBN 90-5681-027-8).
2. B. Klaus (2010): "Matching and the Allocation of Indivisible Objects via Deferred Acceptance under Responsive Preferences," *AENORM*, vol. 18 (67) June 2010.

WORKING PAPERS and WORK IN PROGRESS

1. B. Klaus and F. Payot (2011): "Paths to Stability in the Assignment Problem," work in progress.
2. B. Can and B. Klaus (2011): "Consistency and Population Sensitivity Properties in Marriage and Roommate Markets," Cahier de recherches économiques du DEEP No. 10.08 (submitted).
3. B. Klaus and F. Klijn (2011): "Local and Global Consistency Properties for Student Placement," UFAE/IAE working paper No. 866.11 (submitted).
4. L. Ehlers and B. Klaus (2009): "Allocation via Deferred Acceptance," CIREC Cahier 17-2009 (we are currently working on this paper).

REVIEW SERVICES

Refereeing for the Following Academic Journals or Scientific Institutions

American Economic Review, American Mathematical Monthly, Discrete Applied Mathematics, Econometrica, Economic Bulletin, Economics Letters, Economic Theory, European Economic Review, European Research Council, Games and Economic Behavior, International Game Theory Review, International Journal of Business and Economics, International Journal of Game Theory, Journal of Economics, Journal of Economic Theory, Information Processing Letters, Journal of Public Economics, Journal of Public Economic Theory, Mathematical Social Sciences, Mathematics of Operations Research, National Science Foundation, Quarterly Journal of Economics, Review of Economic Design, Social Choice and Welfare, Theory and Decision.

OTHER PROFESSIONAL ACTIVITIES

- **Director of the Master Program** in Economics at the University of Lausanne (since 2011)
- **Member of the CPhD** (the graduate committee) in Economics at the University of Lausanne (since 2010)

- **Associate Editor** for *Social Choice and Welfare* (since 2011)
- **Associate Editor** for *Mathematical Social Sciences* (since 2007)
- **Council Member** of the *Society for Social Choice and Welfare* (2006-2011).
- **Guest editor** special issue of the *Journal of Public Economic Theory* (2010).
- **Principal investigator** of the NWO (Netherlands Organisation for Scientific Research) VIDI project “How to Design Allocation and Matching Mechanisms?” October 2006 – September 2011.
- Member of the **Program Committee** for the Fourth International Workshop on Computational Social Choice COMSOC-2012 (Krakow, 2012).
- Member of the **Program Committee** for the XI Meeting of the Society for Social Choice and Welfare (New Delhi, 2012).
- Member of the **Program Committee** of the UECE Lisbon Meetings 2011: Game Theory and Applications (Lisbon, 2011).
- Member of the **Program Committee** of the UECE Lisbon Meetings 2010: Game Theory and Applications (Lisbon, 2010).
- Member of the **Program Committee** for the X Meeting of the Society for Social Choice and Welfare (Moscow, 2010).
- Member of the **Program Committee** for the Society for Economic Design Conference on Economic Design (Maastricht, 2009).
- Member of the **Scientific Committee** for the IX Meeting of the Society for Social Choice and Welfare (Montreal, 2008).
- **Workshops\Conferences Organized:**
 - Frontiers in Market Design: Matching Markets May 20-23, 2012 at Centro Stefano Franscini, Monte Verità <https://sites.google.com/site/frontiersmarketdesign/>.
 - Market Design Workshop, September 15th 2011 at Maastricht University.
 - Advances in Collective Choice, April 29th 2006: <http://www.personeel.unimaas.nl/b.klaus/CCworkshop.htm>
 - Advances in Collective Choice, April 25th and 26th 2008: <http://www.personeel.unimaas.nl/b.klaus/CCworkshop08.htm>
 - Coalition Theory Network Conference “Matching, Coalitions, Networks, and Behavior,” January 2009: <http://www.personeel.unimaas.nl/r.ilkilic/CTN2009.htm>
 - Local Organizer of the Coalition Theory Network (2005 - 2008): <http://www.personeel.unimaas.nl/b.klaus/CTN.html>
- **Ph.D. students and Placements:**
 - Burak Can (November 2007 – February 2012) “Essays in Microeconomic Theory,” Postdoctoral Researcher (NWO funded) at Maastricht University (Economics) <http://www.personeel.unimaas.nl/B.Can/>.
 - Frédéric Payot (October 2005 – August 2011) “Three Essays in Economics of Innovation and Matching Theory,” Academic Intern at the Swiss mission to the WTO.

- Alexandru Nichifor (September 2007 – September 2011) “Essays in Matching with Money and Networks,” Junior Lecturer at the University of St. Andrews (Economics), Scotland, U.K. <http://www.nichifor.net/>.
- Emin Karagozoglu (December 2006 – September 2010) “Essays on Bargaining and Claims Problems,” Assistant Professor at Bilkent University (Economics), Turkey <https://sites.google.com/site/eminkaragozoglu/>.
- **Professional Memberships:**
 - Econometric Society
 - Game Theory Society
 - Murat Sertel Center for Advanced Economic Studies, Bilgi University, Istanbul, Turkey
 - Society for Economic Design
 - Society for Social Choice and Welfare

SEMINAR/CONFERENCE PAPERS PRESENTED

Seminar Presentations (2012\2011 only)

2012:

1. University of Innsbruck, Department of Economics, Innsbruck, Austria (June 14th)
2. University of Bonn, Department of Economics, Bonn, Germany (May 2nd)
3. Monash University, Department of Economics, Melbourne, Australia (April 20th)
4. University of Adelaide, Department of Economics, Adelaide, Australia (April 13th)
5. Australian National University, Research School of Economics, Canberra, Australia (April 11th)
6. University of Sydney, School of Economics, Sydney, Australia (April 5th)
7. University of New South Wales, School of Economics, Sydney, Australia (April 4th)
8. University of St. Andrews, Department of Economics, Scotland, UK (March 15th)
9. University of Granada, Department of Economics, Spain (February 24th)
10. University of Birmingham, Department of Economics, United Kingdom (February 15th)

2011:

11. Université Catholique de Louvain, Louvain la Neuve, Belgium, CORE (October 17th)
12. Bilkent University, Ankara, Turkey, Department of Economics (May 18th)
13. Seoul National University, Seoul, Korea, Department of Economics (May 31st)
14. ETH Zürich, Switzerland, Microeconomics Seminar ETH/UZH (March 17th)

Conference/Workshop Presentations (2012\2011 only)

2011:

1. Recent Developments in Market Design, Maastricht University, Maastricht, The Netherlands, September 14th.
2. Society for Economic Design Conference, HEC Montréal, Montreal, Canada, June 15-17.
3. Murat Sertel Center for Advanced Economic Studies Workshop, Bilgi University, Istanbul, Turkey, May 13-14.

TEACHING

Spring 2012: University of Lausanne, Switzerland

- Game Theory (Market Design)

Fall 2011: University of Lausanne, Switzerland

- Microeconomics MScE (1st year master course)
- Microeconomics II (3rd year bachelor course)

Courses taught in the past:

Maastricht University, The Netherlands

- Economic Design and Matching Theory (MPhil course)
- Design of Tax Systems
- Information, Justice and Political Process
- Public Economics
- Public Pricing
- Writing a Review

RWTH Aachen, Germany

- Game Theory Course (Two-Sided Matching module)
- Game Theory Seminar (various topics)

University of Bielefeld, Germany

- Two-Sided Matching Theory, Ph.D. minicourse (BiGSEM)

Universitat Autònoma de Barcelona, Spain

- Advanced Microeconomics II, Ph.D. course (IDEA)
- Social Choice, Ph.D. course: segment on Matching Theory (IDEA)
- Microeconomia II, undergraduate intermediate microeconomics course

University of Nebraska at Lincoln, USA

- Advanced Microeconomics I and II, 1st year Ph.D. core courses
- Intermediate Microeconomics

University of Rochester, USA

- Mathematical Economics, 1st year Ph.D. core course

PH.D. EXAM COMMITTEES:

- Nicolas Maudet (*Habilitation*, 2010, Université Paris Dauphine, France)
- Catherine Roux (2010, Université de Lausanne, Switzerland)
- Bram Driesen (2010, Universiteit Maastricht, The Netherlands)
- Elena Molis (2008, Universitat del País Vasco, Spain),
- Caroline Berden (2008, Universiteit Maastricht),
- Paolo Pin (2007, Università Ca' Foscari Venezia, Italy),
- Elena Grigorieva (2007, Universiteit Maastricht, The Netherlands),
- Stefan Maus (2004, Universiteit Maastricht, The Netherlands),
- Danilo Coelho (2004, Universitat Autònoma de Barcelona, Spain),

- Noemi Navarro (2003, Universidad Carlos II, Madrid, Spain),
- Lars Ehlers (2001, Universiteit Maastricht, The Netherlands).

MASTER'S THESIS SUPERVISION AND COMMITTEES:

- David Delacretaz (2011, University of Lausanne)
- Bistra Solakova (2011, University of Lausanne)
- Ute Kremer (2008: RWTH Aachen, Germany),
- Michael Kurschilgen (2007: Maastricht University, The Netherlands),
- Conrad Schmidt-Bens (2006: Maastricht University, The Netherlands),
- Ivan Welters (2006: Maastricht University, The Netherlands),
- Marc Santugini Repiquet (2001: University of Nebraska at Lincoln, USA),
- Andrew Cusano (2001: University of Nebraska at Lincoln, USA),
- Chin Khiang Yong (2000: University of Nebraska at Lincoln, USA).

LANGUAGES:

Dutch (fluent), English (fluent), French (intermediate/advanced, B2/C1), German (native), Spanish (intermediate, B2)

January 20th, 2012