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Academic Positions

08/07 – present Assistant Professor at Department of Econometrics & OR, VU (NL),
Research Fellow Tinbergen Institute.
08/07 Visiting Research Associate at Naval Postgraduate School, Monterey (USA).
10/05 – 07/07 Assistant Professor at Utrecht School of Economics, Utrecht (NL).
07/06 – 08/06 Visiting Research Associate at Naval Postgraduate School, Monterey (USA).
07/05 – 09/05 Visiting Research Associate at Naval Postgraduate School, Monterey (USA).
08/04 – 06/05 Research Fellow at CORE, Université Catholique de Louvain, Louvain-la-Neuve (BE).
11/02 – 07/04 Lecturer and Research Fellow at Institute of Law & Economics/SocioEconomics,
University of Hamburg (D).
11/98 – 11/02 Research Assistant at the Institute of SocioEconomics, University of Hamburg (D).

Education

06/03 PhD at the Centre for Modelling and Simulation/Institute of SocioEconomics,
University of Hamburg (UHH).
Dissertation in Applied Mathematics: *Power Measures in Large Weighted Voting Games –
Asymptotic Properties and Numerical Methods* (grade: magna cum laude).
06/98 Diploma in Mathematics (grade: 1.0 ~ summa cum laude), UHH.
Diploma Thesis: *A Game Theoretic Model of Interaction of Two National Economies*.
10/94 – 03/95 Erasmus exchange programme - Studies at Leicester University, United Kingdom.
03/94 Vordiplom in Mathematics (equivalent to BA, grade: 1.2 ~ magna cum laude),
University of Bielefeld.

Main Research Fields

Mathematical Economics and Game Theory

Research Fellowships and Grants

NWO Grant for one PhD position for 4 years, 2011 (NL)

AFOSR Research Fellowship, Naval Postgraduate School, Monterey (for visits up to 12 months spread over the time period 07/2005 to 09/2007) (USA)

CORE Research Fellowship in Economic Theory and Game Theory, Universit Catholique de Louvain-la-Neuve, 2004/2005 (BE)

Postdoc Fellowship in Law and Economics, Institute of Law and Economics, University of Hamburg, 2004 (D)

Languages

German (native speaker), English (fluent), Dutch (fluent), French (very good in speaking and writing, Certificate 'French for Natural Scientists').

Computer Knowledge

Languages C, Fortran and further programming languages

Development tools Matlab, Mathematica, LateX, Scientific Workplace

Teaching

Undergraduate

The Principles of Economics, University College Utrecht (UCU), 2007.

Microeconomics, UCU, 2006-2007.

Graduate

Honors Program - Behavioral Game Theory (co-lecturer), VU, 2011.

Quantitative Business Analysis (co-lecturer), VU, 2011.

Behavioral Economics and Neuroeconomics (co-lecturer), VU, 2009-2010.

Strategic and Cooperative Decision Making (co-lecturer), Department of Econometrics, VU, 2007-2010.

Behavioral Economics and Neuroeconomics (co-lecturer), Department of Econometrics, VU, 2009-2010.

Introduction to Social Choice (co-lecturer), CORE, UCL, 2005.

Formal Methods, Institute of Law & Economics, UHH, 2003/2004.

Exam Course in Game Theory and Microeconomics, Department of Economics, UHH, 1998 – 2002.

Decision Theory (co-lecturer), Department of Economics, UHH, 2000.

Microeconomics (co-lecturer), Department of Economics, UHH, 2001/2002.

PhD

Game Theory II (Formal Methods), Institute of Law & Economics, UHH, 2004.

Game Theory I, Institute of Law & Economics, UHH, 2003/2004.

Predator-Prey Models in Socioeconomics, Institute of Law & Economics, UHH, 2000.

Classes

Statistics I and II, Department of Econometrics, VU, 2007-2010.

Quantitative Business Analysis, Department of Econometrics, VU, 2007-2010.

Mathematics for International Business Administration, Department of Econometrics, VU, 2007-2009.

Mathematics for Computer Scientists, Department of Mathematics, UHH, 1996 – 1997.

Analysis II, Department of Mathematics, UHH, 1996.

Analysis I, Department of Mathematics, UHH, 1995 – 1996.

Conference Presentations

10th Workshop on Networks in Economics and Sociology: Dynamic Networks, Utrecht, 2011.
Voting Power in Practice Symposium, LSE, London, 2011.
VI. Spain Italy Netherlands Meeting On Game Theory, Palermo, 2010.
V. Spain Italy Netherlands Meeting On Game Theory, Amsterdam, 2009.
Distribution of Power and Voting Procedures in the European Union, Warsaw, 2007.
The Problems of Measuring a Posteriori/Actual Voting Power, Warwick, 2007.
III. Spain Italy Netherlands Meeting On Game Theory, Madrid, 2007.
International Conference on Game Theory, Stony Brook, 2006.
Game Theory and Mathematical Economics, Warsaw 2004.
3rd Hamburg-Sienna Workshop on Applied Game Theory, Sienna 2003.
Workshop on Voting Power Analysis, LSE, London 2002.
Modelling the European Decision-Making, San Sebastian 2002.
Advances in Game Theory and Related Topics & Game Practise III, Hilvarenbeek 2002.
2nd Hamburg-Sienna Workshop on Applied Game Theory, Hamburg 2002.
5th CASLE Workshop on Law & Economics, Ghent 2002.
1st Hamburg-Sienna Workshop on Applied Game Theory, Sienna 2001.
4th Hamburg Workshop on Applied Game Theory, 2000.
Power and Fairness, Bad Segeberg, 2000.
Seventh Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, 2000.
Annual Meeting of the Society for Economic Dynamics, San José, 2000.

Invited Speaker at Universities of Amsterdam, Bayreuth, Bonn, Louvain-la-Neuve, Tilburg, Vienna, and London School of Economics, Naval Postgraduate School Monterey (USA).

Referee

Annals of Operations Research
Control and Cybernetics
Games and Economic Behavior
Journal of the European Economic Association
Mathematical Methods of Operations Research
Mathematics of Operations Research
Social Choice and Welfare

References

Professor Dr. Moshé Machover (external promoter of PhD thesis)

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Co-Authors

Luc Bovens, Department of Philosophy, London School of Economics, (UK).

Scott L. Feld, Department of Sociology, Purdue University, Indiana (USA).

Bernard Grofman, Department of Political Science, University of California, Irvine (USA).

Maurice Koster, Center for Nonlinear Dynamics in Economics and Finance, University of Amsterdam (NL).

Moshé Machover, Voting Power and Procedures, London School of Economics (UK).

Stefan Napel, Department of Microeconomics, University of Bayreuth (D).

Elisenda Molina, Department of Statistics, Universidad Carlos III de Madrid (E).

Guillermo Owen, Department of Applied Mathematics, Naval Postgraduate School, Monterey (USA).

Leonard Ray, Department of Political Science, Louisiana State University (USA)

Wlodek Rabinowicz, Department of Philosophy, Lund University (S).

Holger Strulik, Department of Economics, University of Hannover (D).

Publications

- Review Essay on ‘Voting and Collective Decision-making’ by Annick Laruelle and Federico Valenciano (Cambridge University Press), in: *Social Choice and Welfare*, 2012, Vol. 38(1), 161-179.
- Terrorist Targeting, Information, and Secret Coalitions (with Maurice Koster, Gordon McCormick, Guillermo Owen), *Tinbergen Institute Discussion Paper*, 2010, TI 2010-001/1, submitted.
- A Generalization of Condorcets Jury Theorem to Weighted Voting Games with Many Small Voters, *Economic Theory*, 2008, Vol. 35(3), 607-611.
- The Power of a Collectivity to Act in Weighted Voting Games with Many Small Voters, *Social Choice and Welfare*, 2008, Vol. 30(4) 581-601.
- A Special Case of Penrose’s Limit Theorem When Abstention is Allowed, *Theory and Decision*, 2008, Vol. 64(4), 495-518.
- Social Fractionalization, Endogenous Appropriation Norms, and Economic Development (with Holger Strulik), *Economica*, 2008, Vol. 75, 244-258.
- Mass-mobilization with noisy conditional beliefs (with Maurice Koster, Roy Lindelauf and Guillermo Owen), *Mathematical Social Sciences*, 2008, Vol. 55(1), 55-77.
- Modified Power Indices for Indirect Voting, (with Guillermo Owen and Bernard Grofman), 2006, in: M. Braham; F. Steffen (eds.), *Power, Freedom and Voting*, Springer Verlag, Berlin, Power, Freedom and Voting, 2008, Springer Verlag, Berlin, 119-138.
- Cases where the Penrose Limit Theorem does not hold (with Guillermo Owen), *Mathematical Social Sciences*, 2007, Vol. 53(3), 232-238.
- A Simple “Market Value” Bargaining Model for Weighted Voting Games: Characterization and Limit Theorems (with Guillermo Owen, Scott L. Feld, Bernard Grofman, Leonard Ray), *International Journal of Game Theory*, 2006, Vol. 35(1), 111-128.
- L.S. Penrose’s Limit Theorem: Proof of Some Special Cases (with Moshé Machover), *Mathematical Social Sciences*, 2004, Vol. 47(1), 37-49.
- Distributive Politics and Economic Growth: The Markovian Stackelberg Solution (with Holger Strulik), *Economic Theory*, 2004, Vol. 23(2), 439-444.
- Why not Africa? – Growth and Welfare Effects of Secure Property Rights (with Holger Strulik), *Public Choice*, 2004, Vol. 120, 143-167.
- Mediation as Signal (with Manfred Holler), *European Journal of Law & Economics*, 2004, Vol. 17, 165-173.

Power Measures in Large Weighted Voting Games - Asymptotic Properties and Numerical Methods,
PhD thesis, University of Hamburg, 2004.

<http://www.sub.uni-hamburg.de/opus/volltexte/2004/2222/pdf/Dissertation.pdf>

Comment on: "Conflict and Cooperation in Energy and Climate Change. The Framework of a Dynamic Game of Power-Value Interaction", by Jürgen Scheffran, (with Vesa Kanninen), 2002, in: M.J. Holler, D. Schmidtchen, M.E. Streit (eds.), *Jahrbuch für Neue Politische Ökonomie*, Vol. 20, Mohr Siebeck, Tübingen.

Nash-Gleichgewicht und Maximinlösung in gemischten Strategien (with Manfred Holler), *WISU* 2001, Vol. 5, 745-748 (part one), Vol. 6, 880-883 (part two).