

Date and place of birth 11 March 1971, Tübingen, Germany
Citizenship German
Office address Department of Econometrics & OR
VU University Amsterdam
De Boelelaan 1105
1081 HV Amsterdam, The Netherlands
Telephone +31 20 598 6026
Fax +31 20 598 6020
E-mail i.d.lindner@vu.nl
WWW <http://staff.feweb.vu.nl/ilindner/> (institute)

Main Research Fields

Mathematical Economics, Social and Economic Networks, Game Theory.

Academic Positions

12/14 – present Associate Professor at Department of Econometrics & OR, VU (NL),
11/07 – present Research Fellow Tinbergen Institute (NL).
08/07 – 11/14 Assistant Professor at Department of Econometrics & OR, VU (NL),
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

Scientific

- 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.

Languages

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

Research Fellowships, Grants and Awards

VU Network Institute grant for VU Academy Assistants 2015–2016. Project: *Cascades and Avalanches in Twitter Communication Networks*. Funding for two student assistants for ten months, one day per week.

SURF grant for FEWEB Online Summer School.

Nomination VU Innovation Price 2015.

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, Université Catholique de Louvain-la-Neuve, 2004/2005 (BE).

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

Organisation

FEWEB

- 12/15 – present AACSB Steering Committee. Chair: Frans van der Wel.
- 11/16 – present Workgroup FEWEB Evaluation VU Raamwerk Onderwijsprestatie, chair: Frans van der Wel.
- 04/14 – present Coordinator FEWEB Innovation Center. WWW: <http://www.ic.feweb.nl>.
- 03/14 – present Onderdeelcommissie ondernemingsraad, FEWEB. Chair: Lia Wesenbeeck.
- 04/13 – 12/13 FEWEB Teaching innovation, chair: *Eric Bartelsman*, subcommittee van der Wel, FEWEB.

VU

- 04/16 – present VU Network Teaching Innovation ICT& O, chair: Silvester Draaijer (SOZ).
- 05/16 – present KnowVU Ambassador for FEWEB, chair: Gerard van der Bunt.
- 10/16 – present Workgroup Online Proctoring, chair: Eva Meijerink (VU International Office).
- 08/16 – present DLO-21

Training

- 05/15 EFMD Innovative Ways of Learning and Teaching, Brussels.
- 01/14 – 12/14 SKO (Senior Kwalificatie Onderwijs).
- 01/14 - 09/14 Mentee in *VU Mentoraat voor talentvolle wetenschappers*.*
- 08/13 – 12/13 Co-creation project FEWEB-SUNIDEE, renewal curricula FEWEB.
- 04/12 – 12/12 Mentee in *VU Mentoraat voor talentvolle wetenschappers*.
- 07/13 BKO (Basis Kwalificatie Onderwijs).
- 10/12 – 12/12 3 Workshops vrouwelijk leiderschap. Trainer: Esther Mollema, Direction Europe.

*VU HRM project which matches experienced scientist (mentor) with scientific talent (mentee) in order to stimulate their development. Project leader: Eleonore Vos, WeRC UvA-VU.

Non-Scientific Publications

Wisdom of Crowds , *FEWEB VUurwerk*, December 2016, forthcoming.

Virtueel is Reëel: Online Summer School, SURF Innovatieblog *Onderwijs op Maat*, October 2016.

Geef Punten voor Onderwijsinnovatie, opiniestuk *Advalvas*, June 2016.

Geen books maar Mooc's, *Advalvas*, Januar 2016.

Best practice: FEWEB overzicht van docenten en hun onderwijsinnovaties. *Nieuwsbrief Onderwijs op koers*, November 2015.

Betrek al de Smartphones gewoon bij het college, *Advalvas*, July 2015.

Creatieve Boost voor het Onderwijs, *Advalvas*, January 2014.

PhD Supervision 2011 – present

PhD thesis supervision

Jia-Ping Huang, 09/2011 – 09/2015. Thesis Defense: 04/2016. This PhD project was funded by NWO MaGW open competition grant *Cascade Dynamics on Interaction Networks*, 400-09-434. Project leader: Ines Lindner.

Fatih Dilivar, 09/2016 – present, supervision together with Bernd Heidergott (VU).

Forthcoming in 2017. Matthew Pentecost (Tinbergen master student), PhD supervision together with Henri de Groot (VU).

Teaching Since 2014

Courses Undergraduate Level

FEWEB Online Summer Course, bachelor of Economics, Business Administration & International Business Administration, 2016 – present.

Mathematical Economics II, bachelor of Econometrics & OR, 2016 – present.

Methods of PPE I (with René van den Brink and Lieven Decock), bachelor People in Philosophy, Politics and Economics, VU, 2016 – present.

Quantitative Business Analysis (co-lecturer), bachelor of Business Administration & International Business Administration, VU, 2011 – 2015.

Introduction to Mathematical Economics, bachelor of Econometrics & OR, 2016 – present.

Business Mathematics, bachelor of International Business Administration, 2014 – 2015.

Courses Graduate Level

The Economics of Networks (with Marco van der Leij), Tinbergen Institute, 2014 – present.

Mathematics in Economics and Society (with Arantza Estevez Fernandez), Master of Econometrics OR, VU Amsterdam, 2016.

Strategic and Cooperative Decision Making (with Gerard van der Laan and René van den Brink), Master of Econometrics OR, VU Amsterdam, 2007 – 2015.

Research

Publications

- The prediction value, Social Choice and Welfare (with M. Koster, S. Kurz and S. Napel), *Social Choice and Welfare*, forthcoming 2017, (Previously TI 2013-188/2).
- Diffusion of Behavior in Network Games with Threshold Dynamics (with J. P. Huang and M. Koster), *Mathematical Social Sciences*, 2016, Vol. 84, pp.109-118, (Previously TI 2013-208/2).
- From Tradition to Modernity: Economic Growth in a Small World (with Holger Strulik), *Journal of Development Economics*, 2014, Vol. 109, 17-29, (Previously TI 2012-035/1).
- Signalling, In: J. Backhaus (Ed.), *Encyclopedia of Law and Economics*, 2014, Springer, New York.
- Networks and Collective Action (with Ramon Flores, Maurice Koster and Elisenda Molina), *Social Networks*, 2012, Vol. 34(4), 161-179, (Previously TI 2012-032/1).
- Review Essay on ‘Voting and Collective Decision-making’ by Annick Laruelle and Federico Valenciano (Cambridge University Press), *Social Choice and Welfare* 2012, Vol. 38(1), 161-179.
- A Generalization of Condorcet’s Jury Theorem to Weighted Voting Games with Many Small Voters, *Economic Theory*, 2008, Vol. 35(3), 607-611.
- Social Fractionalization, Endogenous Appropriation Norms, and Economic Development (with Holger Strulik), *Economica*, 2008, Vol. 75, 244-258.
- 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.
- 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), 2008, 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).

Under Submission

The great divergence: A network approach (with H. Strulik), *Journal of the European Economic Association*, (Previously TI 2014-033/II).

Work in Progress

Wisdom of Crowds in Social Networks with Structural Shocks (with Jia-Ping Huang and Bernd Heidegott), Target Journal: *Social Networks*.

Coordination in Social Networks: Action as Signaling Device (with Jia-Ping Huang, Maurice Koster and Roald Ramer). Target Journal: *Games and Economic Behavior*.

Cascades and Avalanches in Twitter Communication Networks (with Iina Hellsten and Daan Visker, Target Journal: *Social Science Computer Review*.

Invitations and Organization of Workshops

03/16 Invited speaker to Greqam, Marseille.

03/16 Program Committee *The Seventh Workshop on Cooperative Games in Multiagent Systems*, Singapore, 2016 .

01/16 Workshop *Semantic Networks and Communication Graphs*,
Interdisciplinary workshop organized by Ines Lindner and Bernd Heidegott, VU Amsterdam.

Conference and Workshop Presentations

- Tinbergen Workshop on Mathematical and Computational Economics, 2016.
- Networks in the Global World, St Petersburg, 2016.
- 16th Annual Conference of Public Economic Theory Association, Luxembourg, 2015.
- 1st European Conference on Social Networks, Barcelona, 2014.
- ILLC Workshop on Collective Decision Making, Amsterdam, 2013.
- Networks in Economics (organizer), Amsterdam, 2012.
- 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.

Co-Authors

Jaap Boter, Department of Marketing, VU University Amsterdam (NL).

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).

Bernd Heidegott, Department of Econometrics & OR, VU University Amsterdam (NL).

Jia-Ping Huang, Department of Econometrics & OR, VU University Amsterdam (NL).

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

Sascha Kurz, University of Bayreuth, Department of Business Mathematics (D).

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).

Roald Ramer (emeritus), Center for Nonlinear Dynamics in Economics and Finance, University of Amsterdam (NL).

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

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