

Anne van den Nouweland
CURRICULUM VITAE

Academic Degrees

- February 5, 1993 PhD, Department of Econometrics, Tilburg University, The Netherlands. PhD Dissertation: "Games and Graphs in Economic Situations". Dissertation supervisor: Prof. Dr. S.H. Tijs
- January 26, 1989 Masters in Mathematics (Doctoraal), University of Nijmegen, The Netherlands. Thesis: "Intuitionistic Stieltjes-integrals"
- August 31, 1984 Bachelor's in Mathematics (Propaedeuse), University of Nijmegen, The Netherlands

Professional Experience

- 2007-present: Full Professor, Department of Economics, University of Oregon, USA (on leave during 2007)
- 2007: Professorial Fellow, Department of Economics, The University of Melbourne, Australia
- 2001-2007: Associate Professor, Department of Economics, University of Oregon, USA (on leave during 2007)
- 2003: Fellow, Economic Theory Center, Department of Economics, The University of Melbourne, Australia (January-June)
- 1996-2001: Assistant Professor, Department of Economics, University of Oregon, USA
- 1994-1996: Member of the CentER for Economic Research, Tilburg University, The Netherlands
- 1993-1996: Assistant Professor in Mathematical Economics, Department of Econometrics, Tilburg University, The Netherlands
- 1992-1993: Scientific Advisor on Game Theory, PTT Research, The Netherlands
- 1991-1993: Teaching Assistant at the Department of Econometrics, Tilburg University, The Netherlands
- 1988-1991: Teaching Assistant at the Department of Mathematics, University of Nijmegen, The Netherlands

Memberships

American Economic Association, Association of Public Economic Theory, Econometric Society, Game Theory Society, Society for the Advancement of Economic Theory, Society for the Promotion of Economic Theory.

Grants and Awards

- Research Innovation Award, awarded by the Vice President for Research of the University of Oregon, 2008
- Dean's Certificates for Excellence in Undergraduate and Postgraduate Teaching for 2007, The Faculty of Economics and Commerce, The University of Melbourne, 2008
- ARC (Australian Research Council) Linkage grant. Joint with F. Vazquez-Abad and D. Dufresne (both from The University of Melbourne), and M. Menabde (BHP Billiton). 3-Year grant (2008-1010) awarded September 2007.
- William J. Walsh Fellowship, Dept. of Economics, University of Oregon, 2006
- Economics Summer Research Award, Dept. of Economics, University of Oregon, 2004, 2005
- Gary L. and Deanna K Feldman Fellowship, Dept. of Economics, University of Oregon, 2003
- Terry and Carol Reinhold Faculty Fellowship, Dept. of Economics, University of Oregon, 2002
- Stewart Fellowship, Department of Economics, University of Oregon, 2002

NSF grant SBR-9729568, May 1, 1998, through October 31, 1999
 Junior Professorship Development Award, College of Arts and Sciences, University of Oregon, 1997, 1998, 1999, 2000
 New Faculty Award, Office of Research and Faculty Development, University of Oregon, 1997
 Travel grants from NWO (Dutch Organization for Scientific Research), 1991, 1992, 1993, 1994, 1995, 1996

Book

Social and Economic Networks in Cooperative Game Theory (2001), co-authored by Marco Slikker and Anne van den Nouweland. Kluwer Academic Publishers, Boston.

Refereed Publications

Carpente L, B Casas-Méndez, I García-Jurado and A van den Nouweland "Coalitional interval games for strategic games in which players cooperate". *Theory and Decision* (to appear).

Van den Nouweland A (2007) "Rock-paper-scissors; A new and elegant proof". *Economics Bulletin* 3 (43), 1-6.

Carpente L, B Casas-Méndez, I García-Jurado and A van den Nouweland (2006) "The Shapley valuation function for strategic games in which players cooperate". *Mathematical Methods of Operations Research* 63 (2), 435-442.

Ellis C and A van den Nouweland (2006) "A mechanism for inducing cooperation in non-cooperative environments: theory and applications". *Journal of Public Economic Theory* 8 (1), 23-47.

Carpente L, B Casas-Méndez, I García-Jurado and A van den Nouweland (2005) "Values for strategic games in which players cooperate". *International Journal of Game Theory* 33, 397-419.

Harbaugh W and A van den Nouweland (2005) "Demonstrating worker quality through strategic absenteeism". *International Game Theory Review* 7 (2), 189-209.

Jackson M and A van den Nouweland (2005) "Strongly stable networks". *Games and Economic Behavior* 51 (2), 420-444.

Van den Nouweland A (2005) "Models of network formation in cooperative games". In "Group Formation in Economics; Networks, Clubs, and Coalitions", G Demange and M Wooders (Eds), Cambridge University Press, 58-88.

Casas-Méndez B, I García-Jurado, A van den Nouweland, M Vazquez-Brage (2003) "An extension of the τ -value to games with coalition structures". *European Journal of Operational Research* 148, 494-513.

Slikker M and A van den Nouweland (2002) "Network formation, costs, and potential games". In "Chapters in Game Theory" (In honor of Stef Tijs), P Borm and H Peters (Eds), Kluwer Academic Publishers, 223-246.

Van den Nouweland A, S Tijs, and M Wooders (2002) "Axiomatization of ratio equilibria in public good economies". *Social Choice and Welfare* 19, 627-636.

Slikker M, and A van den Nouweland (2001) "A one-stage model of link formation and payoff division". *Games and Economic Behavior* 34, 153-175.

Slikker M, and A van den Nouweland (2000) "Network formation models with costs for establishing links". *Review of Economic Design* 5, 333-362. Reprinted in "Networks and Groups; Models of Strategic Formation", B Dutta and M Jackson (Eds), Springer-Verlag, 2003, 233-262.

Slikker M, and A van den Nouweland (2000) "Communication situations with asymmetric players". *Mathematical Methods of Operations Research* 52, 39-56.

Slikker M, B Dutta, A van den Nouweland, and S Tijs (2000) "Potential maximizers and network formation". *Mathematical Social Sciences* 39, 55-70.

Calvo E, J Lasaga, and A van den Nouweland (1999) "Values of games with probabilistic graphs". *Mathematical Social Sciences* 37, 79-95.

Voorneveld M, and A van den Nouweland (1998) "A new axiomatization of the core of games with transferable utility". *Economics Letters* 60, 151-155.

Dutta B, A van den Nouweland, and S Tijs (1998) "Link formation in cooperative situations". *International Journal of Game Theory* 27, 245-256. Reprinted in "Networks and Groups; Models of Strategic Formation", B Dutta and M Jackson (Eds), Springer-Verlag, 2003, 221-232.

Vázquez-Brage M, A van den Nouweland, and I García-Jurado (1997) "Owen's coalitional value and aircraft landing fees". *Mathematical Social Sciences* 34, 273-286.

Van den Nouweland A, B Peleg, and S Tijs (1996) "Axiomatic characterizations of the Walras correspondence for generalized economies". *Journal of Mathematical Economics* 25, 355-372.

Van den Nouweland A, P Borm, W van Golstein Brouwers, R Groot Bruinderink, and S Tijs (1996) "A game theoretic approach of problems in telecommunication". *Management Science* 42, 294-303.

Van den Nouweland A, J Potters, S Tijs, and J Zarzuelo (1995) "Cores and related solution concepts for multi-choice games". *ZOR-Mathematical Methods of Operations Research* 41, 289-311.

Borm P, A van den Nouweland, and S Tijs (1994) "Cooperation and communication: a survey". In "Imperfections and Behavior in Economic Organizations", R Gilles and P Ruys (Eds), Kluwer Academic Publishers, 195-227.

Feltkamp V, A van den Nouweland, P Borm, S Tijs, and A Koster (1993) "Linear production with transport of products, resources and technology". *ZOR-Methods and Models of Operations Research* 38, 153-162.

Van den Nouweland A, M Maschler, and S Tijs (1993) "Monotonic games are spanning network games". *International Journal of Game Theory* 21, 419-427.

Van den Nouweland A, P Borm, G Owen, and S Tijs (1993) "Cost allocation and communication". *Naval Research Logistics* 40, 733-744.

Feltkamp V, and A van den Nouweland (1992) "Controlled communication networks". Cahiers du CERO 34, 199-210.

Van den Nouweland A, P Borm, and S Tijs (1992) "Allocation rules for hypergraph communication situations". International Journal of Game Theory 20, 255-268.

Van den Nouweland A, and P Borm (1991) "On the convexity of communication games". International Journal of Game Theory 19, 421-430.

Van den Nouweland A, M Krabbenborg, and J Potters (1990) "Flow-shops with a dominant machine". European Journal of Operational Research 62, 38-46.

Van den Nouweland A, H Aarts, and P Borm (1990) "Multi-commodity games". MethOR 63, 329-338.

Working Papers

Van den Nouweland A and M Wooders (2008) "Status equilibrium in local public good economies".

Carpente L, B Casas-Méndez, I García-Jurado and A van den Nouweland (2007) "The truncated core for games with limited aspirations". Working Paper 1010 (ISBN 978 0 7340 3720 6), Department of Economics, The University of Melbourne, and Working Paper 2007-13, Department of Economics, University of Oregon.

Voorneveld M and A van den Nouweland (2001) "An axiomatization of the Euclidian compromise solution".

Voorneveld M and A van den Nouweland (1998) "Cooperative multicriteria games with public and private criteria". CentER Discussion paper 9862, Tilburg University, The Netherlands. Working paper 2001-11, Department of Economics, University of Oregon.

Presentations, Conferences, and Research Visits

2008 At "NSF/CEME Decentralization Conference" (New Orleans, LA).

2007 Invited seminars at Tilburg University (The Netherlands) and the University of Queensland (Australia). At conferences "25th Australasian Economic Theory Workshop" (Canberra, Australia), "CEPET" workshop (Udine, Italy), and "PET07" (Nashville).

2006 At conferences "PET06" (Hanoi, Vietnam), "ESAM06" (Alice Springs, Australia), and workshop "Coalitions and Networks" (Montreal, Canada). Visitor of the Department of Statistics and Operations Research, University of Santiago de Compostela (Spain), and the Economic Theory Center in the Department of Economics, The University of Melbourne.

2005 Invited seminars at Vanderbilt University, the University of Alabama (Tuscaloosa), the Naval Postgraduate School (Monterey, CA), and Tilburg University (The Netherlands). At conferences "PET 05" (Marseille, France) and "7th SAET Conference" (Vigo, Spain). Visitor of the Economic Theory Center in the Department of Economics, The University of Melbourne, Department of Statistics and Operations Research, University of Santiago de Compostela (Spain), the Department of Economics, Vanderbilt University, and the Mathematics Department, Naval Postgraduate School (Monterey, California).

2004 Invited seminars at LaTrobe University and Deakin University (both in Melbourne), the University of Queensland, the University of Melbourne, University of Sydney, and the University of New South Wales (all in Australia). At conferences "Allied Social Science Associations Meetings" (San Diego), "Society for Economic Design" (Palma de Mallorca, Spain), and

“GAMES 2004” (Marseille, France). Visitor of the Economic Theory Center in the Department of Economics, The University of Melbourne.

2003 Invited seminars at the Australian National University, the University of Melbourne, the University of Sydney, the University of New South Wales, the University of Adelaide, the University of Queensland (all in Australia), and Tilburg University (The Netherlands). At conference “21st Australian Economic Theory Conference” (Sydney, Australia). Visitor at the School of Economics, University of Sydney.

2002 Invited seminar at the University of California at Santa Barbara. At conferences “Advances in Game Theory and Related Topics joint with Game Practice III” (Hilvarenbeek, The Netherlands), “ESF Workshop on Local Public Goods, Politics, and Multijurisdictional Economies” (Paris, France), “PET 02” (University of Paris I, France), and “8th Meeting for Young Researchers in Economic Analysis” (La Coruna, Spain). Visitor at the Department of Statistics and Operations Research, University of Santiago de Compostela (Spain) and the Department of Economic Analysis, University of the Bask Country (Spain).

2001 Invited seminars at Aarhus University (Denmark) and GREQAM (Marseille, France). At conferences “Sunbelt XXI” (Budapest, Hungary), “Warwick Summer Research Workshop and Conference” (Warwick, UK), “Twelfth International Conference on Game Theory” (Stony Brook), and “Mathematical Programming, Games, and Networks” (Aix-en-Provence, France). Visitor at GREQAM (Marseille, France).

2000 Invited seminars at Tilburg University (The Netherlands), Stanford University, and the CentER for Economic Research (Tilburg, The Netherlands). At conferences “PET 2000” (Warwick, UK) and “GAMES 2000” (Bilbao, Spain). Visitor at the Department of Econometrics, Tilburg University (The Netherlands) and the CentER for Economic Research (Tilburg, The Netherlands).

1999 Invited seminars at California Institute of Technology, Tilburg University (The Netherlands), Erasmus University (Rotterdam, The Netherlands), and Virginia Tech. At conferences “Tenth International Conference on Game Theory” (Stony Brook) and “Twenty-Seventh Annual Telecommunications Policy Research Policy Conference”. Visitor at the Division of Humanities and Social Sciences, California Institute of Technology and the Department of Econometrics, Tilburg University (The Netherlands).

1998 Invited seminars at the University of Nevada at Reno, UC Davis, University of La Coruna (Spain), Tilburg University (The Netherlands), Duke University, and Pennsylvania State University. At conferences “Journal of Public Economic Theory Conference”, “Third Spanish Meeting on Game Theory and Applications”, “12th Italian Conference on Game Theory and Applications”, “Game Practice I”, “Fourth International Meeting of the Society for Social Choice and Welfare”, “Workshop on Interactive Dynamics and Learning”, “International Conference on Game Theory” (Stony Brook), and “Third Conference on Logic and the Foundations of Game and Decision Theory (LOFT 3)”. Visitor at the Department of Statistics and Operations Research, University of Santiago de Compostela (Spain), the Department of Computer Science, University of La Coruna (Spain), and the Department of Econometrics, Tilburg University (The Netherlands).

1997 Invited seminars at Oregon State University and Tilburg University (The Netherlands). At conferences “Allied Social Science Associations Meetings”, “DIMACS Workshop on Economics, Game Theory, and the Internet”, and “International Conference on Game Theory” (Stony Brook). Visitor at the Department of Econometrics, Tilburg University (The Netherlands).

1996 Invited seminars at Tilburg University (The Netherlands), University of the Bask Country (Spain), and Washington University. At conferences “Axiomatics of Resource Allocation”, “International Workshop on Cooperative Games”, “The Third International Meeting of the Society for Social Choice and Welfare”, and “International Workshop on Game Theory and Politics & Spanish Meeting on Game Theory”. Visitor at the Department of Applied Economics and Department of Economic Analysis, University of the Bask Country (Spain).

1995 Invited seminars at Tilburg University (The Netherlands), University of the Bask Country (Spain), University of Santiago de Compostela (Spain), and University of Bielefeld (Germany). At conferences “Coalition Formation, Environmental Games and other Economic Applications”, “Learning and the Emergence of Markets and Other Organizations”, “International Conference on Game Theory” (Stony Brook), and “New Directions in the Theory of Markets and Games”.

Visitor at the Department of Statistics and Operations Research, University of Santiago de Compostela (Spain), and the Department of Applied Economics and Department of Economic Analysis, University of the Bask Country (Spain).

1994 Invited seminars at University of the Bask Country (Spain), Free University Amsterdam (The Netherlands), Tilburg University (The Netherlands), TNO-FEL (The Netherlands), and University of Copenhagen (Denmark). At conferences “International Workshop on Game Theory” and “15th International Symposium on Mathematical Programming”. Visitor at the Department of Applied Economics and Department of Economic Analysis, University of the Bask Country (Spain).

1993 Invited seminars at University of Nijmegen (The Netherlands), University of Barcelona (Spain), University of Santiago de Compostela (Spain), University of the Bask Country (Spain), and Tilburg University (The Netherlands). At conference “International Conference on Game Theory” (Stony Brook). Visitor at the Department of Actuarial, Financial and Economic Mathematics, University of Barcelona (Spain), the Department of Statistics and Operations Research, University of Santiago de Compostela (Spain), and the Department of Applied Economics and Department of Economic Analysis, University of the Bask Country (Spain).

1992 Invited seminars at Tilburg University (The Netherlands) and the LNMB (The Netherlands). At conference “European Meeting of the Econometric Society 1992”. Visitor at the “Institut für Gesellschafts- und Wirtschaftswissenschaften, Rheinische Friedrich-Wilhelms-Universität” (Germany).

1991 Invited seminar at Tilburg University (The Netherlands). At conferences “27th Dutch Mathematical Convention”, “2nd Twente Workshop on Graphs and Combinatorial Optimization” (The Netherlands), “International Conference on Game Theory” (Florence, Italy), “International Conference on Game Theory and Economics”, (Stony Brook), “Cost Allocation and Transfer Pricing” (Stony Brook), and “13th Bielefeld Fog-Workshop on Game Theory” (Germany).

1990 Invited seminars at the University of Nijmegen (The Netherlands) and the University of Limburg (The Netherlands). At conferences “26th Dutch Mathematical Convention” and “International Conference on Operations Research 1990”.

1989 At conferences “14th Symposium on Operations Research” and “Sequencing and Scheduling”.

Research Interests

(Applied) Game Theory

Mathematical Economics

Microeconomics

Professional Service

Associate Editor of the Journal of Public Economics Theory (April 2006-present)

Referee for American Economic Review, B.E. Journal of Theoretical Economics, Econometrica, Economic Bulletin, Economic Theory, European Economic Review, European Journal of Operational Research, Games and Economic Behavior, International Game Theory Review, International Journal of Game Theory, Journal of Economic Theory, Journal of Mathematical Economics, Journal of Public Economic Theory, Mathematics of Operations Research, Mathematical Programming, Mathematical Social Sciences, Methods and Models of Operational Research, Operations Research Letters, Operations Research Spectrum, Review of Economic Design, Review of Economic Studies, Social Networks, Telecommunication Systems, Theory and

Decision, TOP (Spanish Journal of Operations Research), ZOR-Methods and Models of Operations Research.

Grant proposal reviewer for the NSF and the City University of Hong Kong

Member of the program committee of the International Workshop on Cooperative Games (June 1996), the International Conference on Logic, Game Theory, and Social Choice (May 1999), PET 2006 Hanoi, and PET 2007 Nashville.

Co-organizer of the National Workshop of the LNMB (Landelijk Netwerk Mathematische Besliskunde; National Network for Decision Sciences) (May 1992).

Discussant at the workshop of the European Science Foundation on Local Public Goods, Politics, and Multijurisdictional Economies (July 2002), the 21st Australian Economic Theory Conference (February 2003), and the Allied Social Science Associations Meetings (January 2004), 25th Australasian Economic Theory Workshop (February 2007).

Panelist at the 2nd Australian Workshop on Experimental Economics (August 2007).

Teaching Experience

Courses in Teaching Effectiveness taken: Didactic Days, January 16-17, 1996; Didactic Days, January 19-20, 1994; Course in Didactic, November 5-10, 1992.

1996-present Department of Economics, University of Oregon: Courses taught with full responsibility: Theories of Industrial Organization (EC 460/560), CORE Microeconomics II (EC 607), Game Theory (EC 607), Intermediate Microeconomic Theory (EC 311), Advanced Microeconomic Theory I (EC 411/511), Games and Decisions (EC 427/527), and Mathematics for Economists (EC 408/508). Supervision of Reading 405 and Reading 605.

2003 and 2007, Department of Economics, The University of Melbourne: Game Theory (4th year and Honors level). Microeconomic Theory (PhD level).

1991-1996 Department of Econometrics, Tilburg University: Teaching assistant for courses (at different levels) in Game Theory, Analysis, Algebra, and Public Sector Economics. Courses taught (at different levels) with full responsibility: Mathematical Economics, Industrial Organization, and Mathematics. Supervision of practical training of several students.

1995 Department of Mathematics, University of Utrecht: Courses taught (at graduate and undergraduate levels) with full responsibility: Introduction to Economics and Microeconomics.

1989-1991 Department of Mathematics, University of Nijmegen: Teaching assistant for courses (at different levels) in Stochastic, Logic, Statistics and Operations Research, and Mathematical Economics and Game Theory.

Student Advising

PhD Dissertation Committees P. Boothe (Computer Science, University of Oregon; outside member, expected 2008), M. Visser at the University of Oregon (member, August 1 2005), R. Wooster at the University of Oregon (co-chair, May 2 2002), M. del Pilar Montero Garcia at Tilburg University (member, June 28 2000), M. Slikker at Tilburg University (co-chair, April 17 2000), M. Voorneveld at Tilburg University (member, December 21 1999), H. Reijnierse at Nijmegen University (member, June 12 1995), J. Kuipers at Limburg University (member, June 15 1994).

PhD Field Paper Committees M. Visser at the University of Oregon (reader, Winter 2003), R. Wooster at the University of Oregon (co-chair, Winter 2000), S. Easley at the University of Oregon (reader, Winter 1998).

PhD Research Credits J. Poore at the University of Oregon (Fall 1999).

Masters Thesis Primary Advisor M. Slikker at Tilburg University (1995), R. Groot Bruinderink at Tilburg University (1992), A. Koster at Nijmegen University (1990), M. Krabbenborg at Nijmegen University (1990), H. Aarts at Nijmegen University (1989).

Undergraduate Honor's Thesis A. Dunn at the University of Oregon (Summer 1999), S. Wong at the University of Oregon (Spring 1997), M. Bachrach at Tilburg University (1995), E. Schoenmaker at Tilburg University (1994).

University Service

Dean's Advisory Committee on Promotion and Tenure, College of Arts and Sciences, University of Oregon (2004-2005 (member) and 2005-2006 (chair)).

Department Service

At the University of Oregon: Director of Masters Studies (2003-2004), Core Exam Committee (1996-2002, 2003-2008), Graduate Admissions & Awards Committee (2000-2002, 2003-2004), Graduate Placement Director (2006-2007), Salary Review Committee (2004-2005), GTF Instructional Adviser (2000-2002), PhD Program Committee (1996-2000, 2007-2008), Masters Program Committee (1996-1999, 2003-2004, 2005-2006), Undergraduate Program Committee (1999-2000, 2002-2003), Seminar Committee (1999-2000), Committee on Outside Funding (1996-1999, 2003-2007), Ambassador for the Teaching Effectiveness Program (2004-2006), Interview Committee (1999).

At Tilburg University (the Netherlands): Organization of monthly game theory seminars (1991-1996), and weekly microeconomics seminars (1994-1995).

Community Service

Live radio interview with KOPT "Breakfast with Nancy" on the 2006 Nobel Prize in Economics. October 21, 2005.