

Publications of Peter Borm

For downloading my papers, you can look in the Tilburg University Repository:

<http://publications.uvt.nl/repository/p.e.m.borm/publications.html>

Publications

2011

1. M. Quant, and P. Borm: Random conjugates of bankruptcy rules. *Social Choice and Welfare*, 36, 249-266.
2. S. Tijs, P. Borm, E. Lohmann and M. Quant: An average lexicographic value for cooperative games. *European Journal of Operational Research*, 113, 210-220.
3. R. Lindelauf, P. Borm and H. Hamers: Understanding terrorist network topologies and their resilience against disruption. In: *Counterterrorism and open source intelligence* (Eds. N. Memon and U. Wiil), Springer Verlag.
4. E. Lazarova, P. Borm, M. Montero and H. Reijnierse: A bargaining set for monotonic simple games based on external and internal stability. *TOP*, 19, 54-66.
5. E. Lazarova, P. Borm and B. van Velzen: Coalitional games and contracts based on individual deviations. *TOP*, 19, 507-520.

2010

1. G. van Gulick, P. Borm, A. De Waegenaere and R. Hendrickx: Deposit games with reinvestment. *European Journal of Operational Research*, 200, 788-799.
2. F. Cruijssen, P. Borm, W. Dullaert and H. Hamers: A versatile framework for cooperative hub network design. *European Journal of Industrial Engineering*, 4, 210-227.
3. F. Cruijssen, P. Borm, H. Fleuren and H. Hamers: Supplier-initiated outsourcing: a methodology to exploit synergy in transportation. *European Journal of Operational Research*, 207, 763-774.
4. H. Reijnierse, P. Borm, M. Quant and M. Meertens: Processing games with restricted capacities. *European Journal of Operational Research*, 202, 773-780.
5. J. Kleppe, R. Hendrickx, P. Borm, G. Fiestras-Janeiro and I. Garcia-Jurado: Transfers, contracts and strategic games. *TOP*, 18, 481-492.
6. B. Ciftci, P. Borm and H. Hamers: Population monotonic path schemes for simple games. *Theory and Decision*, 69, 205-218.
7. B. Ciftci, P. Borm and H. Hamers: Highway games on weakly cyclic graphs. *European Journal of Operational Research*, 204, 117-124.

2009

1. M. Quant, P. Borm, G. Fiestras-Janeiro and F. van Meegen: On properness and protectiveness in two-person multicriteria games. *Journal of Optimization Theory and Applications*, 140, 499-512.
2. P. Borm, A. Estevez-Fernandez and G. Fiestras-Janeiro: Competitive environments and protective behaviour. *Games and Economic Behavior*, 67, 245-252.
3. R. Hendrickx, P. Borm, R. van den Brink and G. Owen: The VL-value for network games. *Social Networks*, 31, 85-91.
4. R. Lindelauf, P. Borm and H. Hamers: The influence of secrecy on the communication structure of covert networks. *Social Networks*, 31, 126-137.
5. R. Lindelauf, P. Borm and H. Hamers: On heterogeneous covert networks. In: *Mathematical methods in counterterrorism* (eds. Menon, N., Farley, J.D., Hicks, D.L. and T. Rosenorn), Springer-Verlag, pp. 215-228.
6. A. Estevez-Fernandez, P. Borm, M. Meertens and H. Reijnierse: On the core of routing games with revenues. *International Journal of Game Theory*, 38, 291-304.

2008

1. A. Estevez-Fernandez, P. Borm, P. Calleja and H. Hamers: Sequencing games with repeated players. *Annals of Operations Research*, 158, 189-204.
2. M. Pulido, P. Borm, R. Hendrickx, N. Llorca and J. Sanchez-Soriano: Compromise solutions for bankruptcy situations with references. *Annals of Operations Research*, 158, 133-142.
3. Y. Ju and P. Borm: Externalities and compensation: primeval games and solutions. *Journal of Mathematical Economics*, 44, 367-382.
4. M. Mosquera, P. Borm, G. Fiestras-Janeiro, I. Garcia-Jurado and M. Voorneveld: Characterizing cautious choice. *Mathematical Social Sciences*, 55, 143-155.
5. R. van den Brink, P. Borm, R. Hendrickx and G. Owen: Characterizations of the beta- and the degree power measure. *Theory and Decision*, 64, 519-536.
6. R. Lindelauf, I. Blankers, P. Borm and H. Hamers: On the optimal distribution of risk and information exchange in star networks. In: *Proceedings of the Second International Conference on Computational Cultural Dynamics* (Eds. V.S. Subrahmanian and A. Kruglanski), pp. 45-48.
7. A. Estevez-Fernandez, M. Mosquera, P. Borm and H. Hamers: Proportionate flowshop games. *Journal of Scheduling*, 11, 433-447.

2007

1. W. van den Heuvel, P. Borm and H. Hamers: Economic lot sizing games. *European Journal of Operational Research*, 176, 1117-1130.
2. J. Gonzalez-Diaz, P. Borm and H. Norde: A silent battle over a cake. *European Journal of Operational Research*, 177, 591-603.
3. H. Reijnierse, P. Borm and M. Voorneveld: Informationally robust equilibria. *Economic Theory*, 30, 539-560.
4. Y. Ju, P. Borm and P. Ruys: The consensus value: a new solution concept for cooperative games. *Social Choice and Welfare*, 28, 685-703.

5. C. González-Alcón, P. Borm and R. Hendrickx: A composite run to the bank rule for multi-issue allocation situations. *Mathematical Methods of Operations Research*, 65, 339-352.
6. R. Hendrickx, P. Borm, R. van Elk, M. Quant: Minimal overlap rules for bankruptcy. *International Mathematical Forum*, 2, 3001-3012.
7. A. Estevez-Fernandez, P. Borm and H. Hamers: Project games. *International Journal of Game Theory*, 36, 149-176.
8. C. González-Alcón, R. Hendrickx, K. van Kuijk and P. Borm: A taxonomy of best-reply multifunctions in $2 \times 2 \times 2$ -trimatrix games. *TOP*, 15, 297-306.

2006

1. P. Calleja, P. Borm, A. Estevez-Fernandez and H. Hamers: Job scheduling, cooperation and control. *OR Letters*, 34, 22-28.
2. M. Quant, P. Borm and H. Reijnierse: Congestion network problems and related games. *European Journal of Operational Research*, 172, 919-930.
3. D. Dimitrov, P. Borm, R. Hendrickx and S. Chin Sung: Simple priorities and core stability in hedonic games. *Social Choice and Welfare*, 26, 421-433.
4. M. Quant, P. Borm, R. Hendrickx and P. Zwicker: Compromise solutions based on bankruptcy. *Mathematical Social Sciences*, 51, 247-256.
5. P. Borm, E. van Dam, H. Hamers and H. Norde: *Linear and Dynamical Systems, Optimization and Games*. Pearson Education Limited, Harlow, UK, ISBN 1-84658-420-5.
6. M. Dreef and P. Borm: On the role of chance moves and information in two-person games. *TOP*, 14, 75-98.
7. M. Quant, P. Borm, H. Reijnierse and M. Voorneveld: A note on the beta-measure for digraph competitions. *TOP*, 14, 167-176.
8. S. Wintein, P. Borm, R. Hendrickx and M. Quant: Multiple fund investment situations and related games. *Mathematical Methods of Operations Research*, 63, 413-426, 2006.
9. A. Estevez-Fernandez, P. Borm and H. Hamers: On the core of multiple longest traveling salesman games. *European Journal of Operational Research*, 174, 1816-1827.
10. F. Cruijssen, P. Borm, H. Fleuren and H. Hamers: Insinking: risicoloos profiteren van synergie in logistieke ketens. *STAtOR*, 7, 20-23.

2005

1. P. Calleja, R. Hendrickx and P. Borm: Multi-issue allocation games. *European Journal of Operational Research*, 164, 730-747.
2. J. Timmer, P. Borm and S. Tijs: Convexity in stochastic cooperative situations. *International Game Theory Review*, 7, 25-42.
3. B. Casas-Mendez, P. Borm, L. Carpenle and R. Hendrickx: The constrained equal award rule for bankruptcy problems with a priori unions. *Annals of Operations Research*, 137, 211-227.

4. J. Gonzalez-Diaz, P. Borm, R. Hendrickx and M. Quant: A geometric characterisation of the compromise value. *Mathematical Methods of Operations Research*, 61, 483-500.
5. J. Suijs, P. Borm, H. Hamers, M. Koster and M. Quant: Communication and cooperation in public network situations. *Annals of Operations Research*, 137, 117-140.
6. C. Fernandez, P. Borm, R. Hendrickx and S. Tijs: Drop out monotonic rules for sequencing situations. CentER DP 2002-51. *Mathematical Methods of Operations Research*, 61, 501-504.
7. B. van der Genugten and P. Borm: Kansspelen. In: *Het onzekere bewijs: gebruik van statistiek en kansrekening in het strafrecht* (Eds. M.J. Sjerps and J.A. Coster van Voorhout), Kluwer, Deventer, 153-183.
8. M. Quant, P. Borm, H. Reijnierse and B. van Velzen: The core cover in relation to the nucleolus and the Weber set. *International Journal of Game Theory*, 33, 491-503.

2004

1. P. Borm, R. van den Brink, R. Levinsky and M. Slikker: On two new social choice correspondences. *Mathematical Social Sciences*, 47, 51-68.
2. A. Meca, J. Timmer, I. Garcia Jurado and P. Borm: Inventory games. *European Journal of Operational Research*, 156, 127-139.
3. D. Dimitrov, P. Borm and R. Hendrickx: Good and bad objects: the symmetric difference rule. *Economics Bulletin*, 11, 1-7.
4. M. Dreef, P. Borm, B. van der Genugten: A new relative skill measure for games with chance elements. *Managerial and Decision Economics*, 25, 255-264.
5. M. Dreef, P. Borm and B. van der Genugten: Measuring skill in games: several approaches discussed. *Mathematical Methods of Operations Research*, 59, 375-391.

2003

1. J. Suijs, A. De Waegenaere and P. Borm: Optimal design of pension funds: a mission impossible? *Economic Theory*, 22, 89-110.
2. P. Borm, D. Vermeulen and M. Voorneveld: The structure of the set of equilibria of two person multicriteria games. *European Journal of Operational Research*, 148, 480-493.
3. A. Meca, I. Garcia-Jurado and P. Borm: Cooperation and competition in inventory games. *Mathematical Methods of Operations Research*, 57, 481-493.
4. M. Dreef, P. Borm and B. van der Genugten: On strategy and relative skill in Poker. *International Game Theory Review*, 5, 83-103.
5. M. Quant, P. Borm, H. Reijnierse and M. Voorneveld: On a compromise social choice correspondence. *TOP*, 11, 311-324.
6. J. Timmer, P. Borm and S. Tijs: On three Shapley-like solutions for cooperative games with random payoffs. *International Journal of Game Theory*, 32, 595-613.

2002

1. E. Algaba, J.M. Bilbao, P. Borm and J.J. López: The Myerson value for union stable systems. *Mathematical Methods of Operations Research*, 54, 359-371.
2. P. Borm, G. Fiestras-Janeiro, H. Hamers, E. Sánchez and M. Voorneveld: On the convexity of games corresponding to sequencing situations with due dates. *European Journal of Operational Research*, 136, 616-634.
3. P. Borm, R. van den Brink and M. Slikker: An iterative procedure for evaluating digraph competitions. *Annals of Operations Research*, 109, 61-75.
4. P. Calleja, P. Borm, H. Hamers, F. Klijn and M. Slikker: On a new class of parallel sequencing situations and related games. *Annals of Operations Research*, 109, 263-276.
5. P. Borm and J. Suijs: Stochastic cooperative games: theory and applications. In: *Chapters in Game Theory* (Eds. P. Borm and H. Peters), Theory and Decision Library, Kluwer Academic Publishers, 1-26.
6. R. Hendrickx, P. Borm and J. Timmer: A note on NTU-convexity. *International Journal of Game Theory*, 31, 29-37.
7. R. van den Brink and P. Borm: Digraph competitions and cooperative games. *Theory and Decision*, 53, 327-342.

2001

1. P. Borm, C. Rafels, J. Suijs, J. Timmer, S. Tijs and A. De Waegenaere: Cooperation in capital deposits. *OR Spektrum*, 23, 265-281.
2. P. Borm and B. van der Genugten: On a relative measure of skill for games with chance elements. *TOP*, 9, 91-114.
3. B. van der Genugten, M. Das and P. Borm: *Behendig gokken in en rond het casino*. Academic Service, Schoonhoven, ISBN 9039515719.
4. P. Borm, H. Hamers and R. Hendrickx: Operations Research games: a survey. *TOP*, 9, 139-199.

2000

1. J. Timmer, P. Borm and J. Suijs: Linear transformation of products: games and economies. *Journal of Optimization Theory and Applications*, 105, 677-706.
2. E. Algaba, J.M. Bilbao, P. Borm and J.J. López: The position value for union stable systems. *Mathematical Methods of Operations Research*, 52, 221-236.

1999

1. J. Suijs, P. Borm, A. De Waegenaere and S. Tijs: Cooperative games with stochastic payoffs. *European Journal of Operational Research*, 113, 193-205.
2. J. Suijs and P. Borm: Stochastic cooperative games: superadditivity, convexity and certainty equivalents. *Games and Economic Behavior*, 27, 331-345.
3. H. Hamers, P. Borm, R. van den Leensel and S. Tijs: Cost allocation in the Chinese postman problem. *European Journal of Operational Research*, 118, 153-163.
4. F. van Meegen, P. Borm and S. Tijs: A perfectness concept for multicriteria games. *Mathematical Methods of Operations Research*, 49, 401-412.

5. P. Borm and B. van der Genugten: On the exploitation of casino games: how to distinguish between games of chance and games of skill. In: *Game Practice I: Contributions form applied game theory* (Eds. Patrone, Garcia Jurado, Tijs), Theory and Decision Library, Kluwer, Academic Publishers, 19-33.
6. M. Voorneveld, D. Vermeulen en P. Borm: Axiomatizations of Pareto equilibria in multicriteria games. *Games and Economic Behavior*, 28, 146-154.
7. M. Voorneveld, P. Borm, F. van Megen, S. Tijs and G. Facchini: Congestion games and potentials reconsidered. *International Game Theory Review*, 1, 283-299.

1998

1. G.J. Otten, P. Borm, B. Peleg and S. Tijs: The MC-value for monotonic NTU-games. *International Journal of Game Theory*, 27, 37-47.
2. G. Fiestras-Janeiro, P. Borm and F. van Megen: Protective behaviour in games. *Journal of Economic Theory*, 78, 167-175.
3. J. Suijs, A. De Waegenaere and P. Borm: Stochastic cooperative games in insurance. *Insurance, Mathematics and Economics*, 22, 209-228.
4. M. Koster, S. Tijs and P. Borm: Serial cost sharing methods for multi-commodity situations. *Mathematical Social Sciences*, 36, 229-242.

1997

1. G. Facchini, F. van Megen, P. Borm and S. Tijs: Congestion models and weighted Bayesian potential games. *Theory and Decision*, 42, 193-206.
2. G.J. Otten, P. Borm, T. Storcken and S. Tijs: Decomposable effectivity functions. *Mathematical Social Sciences*, 33, 277-289.

1996

1. P. Borm, I. Garcia-Jurado, J. Potters and S. Tijs: An amalgamation of games. *European Journal of Operational Research*, 89, 570-580.
2. A. van den Nouweland, P. Borm, W. van Golstein Brouwers, R. Groot Bruinderink and S. Tijs: A game theoretic approach of problems in telecommunication. *Management Science*, 42, 294-303.
3. R. van Heumen, B. Peleg, S. Tijs and P. Borm: Axiomatic characterizations of solutions for Bayesian games. *Theory and Decision*, 40, 103-129.
4. H. Hamers, J. Suijs, S. Tijs and P. Borm: The split core for sequencing games. *Games and Economic Behavior*, 15, 165-176.
5. G.J. Otten, P. Borm and S. Tijs: A note on the characterizations of the compromise value. *International Journal of Game Theory*, 25, 427-435.
6. B. van der Genugten en P. Borm: Gokken op een kansspelkwalificatie: een behendigheids spel? *Justitiële Verkenningen* 6, 104-108, 1996.

1995

1. G.J. Otten, P. Borm, T. Storcken and S. Tijs: Effectivity functions and associated claim game correspondences. *Games and Economic Behavior*, 9, 172-190.
2. H. Hamers, P. Borm and S. Tijs: On games corresponding to sequencing games with ready times. *Mathematical Programming*, 69, 471-483.
3. P. Borm, R. Cao, I. Garcia-Jurado and L. Mendez-Naya: Weakly strict equilibria in finite normal form games. *OR Spektrum*, 17, 235-238.
4. P. Borm, R. Cao and I. Garcia-Jurado: Maximum likelihood equilibria of random games. *Optimization*, 35, 77-84.

1994

1. P. Borm, A. van den Nouweland and S. Tijs: Cooperation and communication restrictions: a survey. In: *Imperfections and behavior in economic organizations* (Eds. R.P. Gilles and P.H.M. Ruys), Kluwer Academic Publishers, 195-227.
2. M. Jansen, A. Jurg and P. Borm: On strictly perfect sets. *Games and Economic Behavior*, 6, 400-415.

1993

1. P. Borm, M. Jansen, J. Potters and S. Tijs: Pareto equilibria for bimatrix games. *Computers Math Appl*, 25, 19-25.
2. P. Borm, M. Jansen, J. Potters and S. Tijs: On the structure of the set of perfect equilibria in bimatrix games. *OR Spektrum*, 15, 17-20.
3. V. Feltkamp, A. Koster, A. van den Nouweland, P. Borm and S. Tijs: Linear production with transport of products, resources and technology. *Zeitschrift für Operations Research*, 38, 153-162.
4. A. van den Nouweland, P. Borm, G. Owen and S. Tijs: Cost allocation and communication. *Naval Research Logistics*, 40, 733-744.

1992

1. A. Jurg, I. Garcia-Jurado and P. Borm: Modifications of the concepts of perfect and proper equilibria. *OR Spektrum*, 14, 85-90.
2. A. van den Nouweland, P. Borm and S. Tijs: Allocation rules for hypergraph communication situations. *International Journal of Game Theory*, 20, 255-268.
3. P. Borm, and S. Tijs: Strategic claim games corresponding to an NTU-game. *Games and Economic Behavior*, 4, 58-71.
4. P. Borm, G. Owen and S. Tijs: On the position value for communication situations. *SIAM J Disc Math*, 5, 305-320.
5. P. Borm: On perfectness concepts for bimatrix games. *OR Spektrum*, 14, 33-42.
6. P. Borm, H. Keiding, R.P. McLean, S. Oortwijn and S. Tijs: The compromise value for NTU-games. *International Journal of Game Theory*, 21, 175-189.
7. P. Borm, G.J. Otten and H. Peters: Core implementation in modified strong and coalition-proof Nash equilibria. *Cahiers du CERO*, 34, 187-197.

1991

1. B. van der Genugten and P. Borm: Golden Ten: een kans- of een behendigheids spel? *Kwantitatieve Methoden*, 38, 61-80.
2. A. van den Nouweland, H. Aarts and P. Borm: Multi-commodity games. *Methods of Operations Research*, 63, 329-338.
3. A. van den Nouweland and P. Borm: On the convexity of communication games. *International Journal of Game Theory*, 19, 421-430.

1990

1. P. Borm, S. Tijs and J. van den Aarssen: Pareto equilibria in multiobjective games. *Methods of Operations Research*, 60, 303-312.
2. P. Borm and A. Gijsberts: On constructing games with a convex set of equilibrium strategies. *Zeitschrift für Operations Research*, 34, 279-302.

1989

1. P. Borm, A. Gijsberts and S. Tijs: A geometric-combinatorial approach to bimatrix games. *Methods of Operations Research*, 59, 199-209.

1988

1. P. Borm: Information types: a comparison. *Cahiers du CERO*, 30, 23-37.

1987

1. P. Borm: A classification of 2x2 bimatrix games. *Cahiers du CERO*, 29, 69-84.
2. P. Borm: Games with incomplete information. In: *Surveys in Game Theory and Related Topics* (Eds. H.J.M. Peters and O.J. Vrieze), CWI Tract 39, Math Centrum, Amsterdam, 71-102.

Accepted for publication

1. R. Hendrickx, J. Thijssen and P. Borm: Minimum cost spanning tree games and spillover stability. Accepted for publication in *Theory and Decision*. DOI: 10.1007/s11238-011-9262-7.
2. M. Slikker, P. Borm and R. van den Brink: Internal slackening scoring methods. BetaWP 306, Eindhoven University of Technology, 2010. Accepted for publication in *Theory and Decision*. DOI:10.1007/s11238-011-9281-4.

Unpublished scientific reports

1. J. Kleppe, P. Borm, R. Hendrickx and H. Reijnierse: Cooperative situations: representations, games and cost allocation. CentER DP ...
2. P. Borm, Y. Ju and D. Wettstein: Coalitional externalities, strategic bargaining and efficient values. Research report, University of York, England.
3. S. Grundel, P. Borm and H. Hamers: Resource allocation games: a compromise stable extension of bankruptcy games. (Based on) CentER DP 2011-29.
4. E. Lohmann, P. Borm and J.-J. Herings: Minimal exact balancedness. CentER DP 2011-12.
5. S. Marban, P. van de Ven, P. Borm and H. Hamers: A cooperative game-theoretic approach to ALOHA. METEOR Research Memorandum RM/10/049, Maastricht University.
6. E. Lohmann, P. Borm and M. Slikker: Preparation sequencing games and related games. CentER DP 2010-31.
7. R. Lindelauf, P. Borm and H. Hamers: One-mode projection analysis and design of covert affiliation networks. CentER DP 2010-53.
8. R. Hendrickx, P. Borm and B. van der Genugten: Measuring skill in more- person games with applications to THM [new title]. CentER DP 2008-106.
9. B. Ciftci, P. Borm, H. Hamers and M. Slikker: Batch sequencing and cooperation. CentER DP 2008-100.
10. J. Kleppe, P. Borm and R. Hendrickx: Fall-back equilibria. CentER DP 2008-31.
11. Y. Ju and P. Borm: A non-cooperative approach to the compensation rules for primeval games. CentER DP 2006-97.
12. A. Estevez-Fernandez, P. Borm and H. Hamers: A note on passepartout problems. TI Discussion Paper TI 2010-031/1. Free University, Amsterdam.
13. Y. Ju, P. Borm and P. Ruys: Compensating losses and sharing surpluses in project-allocation situations. CentER DP 2004-06.

Sponsored reports

1. P. Borm en B. van der Genugten: Cash- en toernooipoker: behendigheidspelele? Rapport in opdracht van W.M.C. van den Berg, rechter-commissaris in het arrondissement Amsterdam, 2009.
2. P. Borm en B. van der Genugten: Poker: een behendigheidspelele! Rapport in opdracht van Concord Card Casino, Wenen, 2005.
3. B. van der Genugten, P. Borm en M. Dreef: De toepassing van de wet op de kansspelen op de managementspelen Competitiemanager en Grand Prix manager (vervolg). Rapport in opdracht van Sportdreams BV, 2005.

4. B. van der Genugten, P. Borm en M. Dreef: De toepassing van de wet op de kansspelen op de managementspelen Competitiemanager en Grand prix manager. Rapport in opdracht van Kennedy van de Laan Advocaten (voor Sportdreams BV) en De Brauw Black
5. B. van der Genugten, M. Das en P. Borm: Een analyse van Blackjack varianten. Rapport in opdracht van Moulin Rouge Casino- und Gastronomiebetriebsges. M.B.H., 1999.
6. B. van der Genugten en P. Borm: Het behendigheidsniveau van spelen en de diagnostische criteria. Rapport in opdracht van Intermatic-Holland BV, Nieuwegein, 1996.
7. B. van der Genugten en P. Borm: Een vergelijking van de behendigheid in spelen met een kanselement. Verslag van een onderzoeksproject verricht in opdracht van Novomatic-Holland B.V., 1994.
8. B. van der Genugten en P. Borm: Het financieel piramidesysteem: kans- of behendigheidsspel? Verslag van een onderzoeksopdracht van de rechter-commissaris voor strafzaken in de arrondissementsrechtbank te Utrecht, 1994.
9. B. van der Genugten en P. Borm: Het onderscheiden van kansspelen en behendigheidsspelen met als toepassing Golden Ten. Verslag van een onderzoeksproject verricht in opdracht van het advocatenkantoor Barents, Gasille & Mout, Den Haag, 1991.