

Curriculum Vitae

ALBERT PETER MARIE WAGELMANS

Current position

Professor of Management Science
Erasmus University Rotterdam

Date of birth: November 19, 1960

Place of birth: Rotterdam, the Netherlands

Nationality: Dutch

Marital status: married to Kerry M. Malone

Children: Rory and Kyran Malone



Address information

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Education

- 1990: PhD degree, Erasmus University Rotterdam, Rotterdam, The Netherlands
- 1990: Diploma, European Doctoral Program in Quantitative Methods in Management
- 1985: Master's degree (*doctoraal examen*) in Econometrics (specialization in Operations Research), Erasmus School of Economics

Professional experience (at Erasmus School of Economics, unless stated otherwise)

- 2006-2014: Director of the Econometric Institute
- 2005-present: Professor of Management Science
- 2001-2005: Professor of Operations Research, endowed chair on Applications in Transportation and Logistics
- 2001-2006: Director of the Bachelor-Master Program in Econometrics & Management Science; since 2005 also director of the Bachelor-Master Program in Informatics & Economics
- 2000-2001: Associate Professor of Operations Research
- 1999-2003: Associate Director of the Erasmus Research Institute of Management (ERIM)
- 1999-2002: Director of the Rotterdam Institute for Business Economic Studies (RIBES)
- 1986-2000: Assistant Professor of Operations Research
- 1990-1991: Visiting Researcher, Operations Research Center, Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA
- 1989 (6 months): Visiting Researcher, Center for Operations Research and Econometrics, Université Catholique de Louvain, Louvain-la-Neuve, Belgium
- 1987-1988: Instructor, Rochester-Erasmus MBA-Executive Development Program
- 1985 (2 months): Consultant, ORTEC Consultants, Rotterdam, the Netherlands
- 1982-1985: Teaching Assistant, Departments of Mathematics and Operations Research

University service (at Erasmus School of Economics, unless stated otherwise)

- Chairman, Committee on Appointments and Promotions, 2014-present
- Co-coordinator, research program "Econometrics & Management Science", 2014-2015
- Member, Supervision Committee Bachelor Honours Class, 2014-present
- Member, ERIM Programme Advisory Committee, 2012-present
- Member habilitation committee S. Kedad-Sidhoum (2010, Université Pierre et Marie Curie), N. Absi (2012, École des Mines de Saint-Etienne)

- Member, Ad Hoc Investigation Committee Scientific Integrity, Erasmus University Rotterdam, 2009
- Coordinator, research group Econometrics, Tinbergen Institute, 2009-present
- Track coordinator, ERIM program LIS, 2009-2014
- Chairman, Standing Committee for the Practice of Science, 2009-2014
- Member, Organizing Committee for the Celebration of the 10th Anniversary of ERIM, 2008-2009
- Vice chairman, Committee on Appointments and Promotions, 2008-2014
- Commissioner, MELEUR B.V., 2007-2012
- Chairman, Supervision Committee Erasmus Honours Program, Erasmus University Rotterdam, 2006-2012
- Co-coordinator, research program “Management Science”, 2006-2014
- Member, Academic Advisory Board International Bachelor in Economics and Business Economics, 2006-present
- Member, Committee on Quality Assurance, Erasmus University Rotterdam, 2005-2006
- Member, Committee on Appointments and Promotions, 2005-2008
- Member, Steering Group for the Celebration of the 50th Anniversary of the Econometric Institute, 2005-2006
- Coordinator of the Integrity Code, 2003-2005
- Member, Management Team of the Econometric Institute, 2003-2006
- Member, Board of the Foundation for financial support of Econometrics students, 2003-2013
- Member, Standing Committee for the Practice of Science, 2000-2008
- Member, Supervisory and Evaluation Committee of the Dual Econometrics & Management Science program, 1999-2001
- Representative, Academic Council of the European Institute for Advanced Studies in Management, 1999-2001
- Member, Recommendation Committee of the Study Project, the Econometric Game, the National Day for Econometrics Students, Comedy Experience and other activities organized by the *Econometrisch Dispuut* and other associations of Econometrics students, 1999-2014
- Executive secretary, Board of the Econometric Institute, 1998-1999
- Co-coordinator, research program “Operations Research and Decision Analysis”, 1996-2005
- Coordinator, research program “The Design and Analysis of Optimization Algorithms”, 1987-1996

- Member, PhD Committee of M. Hekimoğlu (2015), B. Yüceoğlu (2015, inner committee, Maastricht University), S. Li (2014, inner committee, TU Delft), Y. Lu (2014, Rotterdam School of Management), L. Veelenturf (2014, Rotterdam School of Management), R. Spliet (2013, inner committee), W. van Jaarsveld (2013), P. Koeleman (2012, inner committee, VU University Amsterdam), N. Zaerpour (2012, Rotterdam School of Management), R. de Melo (2011, inner committee, Université Catholique de Louvain), L.K. Nielsen (2011, inner committee, Rotterdam School of Management), P. Stepaniak (2010, inner committee, Institute for Health Policy & Management), M. Snelder (2010, TU Delft), X. Zhang (2010, inner committee, Rotterdam School of Management), J. Ngubiri (2008, Radboud University Nijmegen), G. Diepen (2008, inner committee, Utrecht University), G. Nalbantov (2008, inner committee), R. Nicolai (2008), R. Rooderkerk (2007, inner committee, Tilburg University), R. Lok (2007, inner committee, Maastricht University), G. Maroti (2006, inner committee, Eindhoven University of Technology), R.M. Lentink (2006, Rotterdam School of Management), E. Porrás Musalem (2005, inner committee), C.A. Boer (2005, inner committee), M.J.C.M. Vromans (2005, inner committee, Rotterdam School of Management), K. Pak (2005, inner committee), T. Le Anh (2005, Rotterdam School of Management), J.W. Goossens (2004, inner committee, Maastricht University), N. Brahim (2004, inner committee, Université de Nantes), O. Listes (2003, inner committee), A.G. de Waal (2003, inner committee), L. Peeters (2003, inner committee, Rotterdam School of Management), I. Vis (2002, Rotterdam School of Management), E. Bazsa (2002, inner committee), D. Romero Morales (2000, inner committee, Rotterdam School of Management), A. van Vliet (1995)
- Co-editor, Self Evaluation Report Econometrics Program, 1995
- Executive secretary, Econometrics Program Committee, 1995-1997
- Member, Econometrics Program Committee, 1986-1987, 1992-1994
- Member, Public Relations Committee, 1995-1998; case presenter “Master Class in Econometrics”, 1995, 1996, 1998, 2001; case presenter “Rotterdamse Econometriedag”, 2002-2013); case presenter “Proefstudereren Econometrie”, 2005-present
- Executive secretary, Department of Operations Research, 1987-1988
- Member, several faculty search committees, 1987-present

Professional service

- Vice President 1, *Association of European Operational Research Societies (EURO)*, 2016-present
- Chairman, *Dutch Society of Operations Research (NGB)*, 2015-present
- Member, Program Committee, *OR2014 (International Conference on Operations Research, Aachen)*

- Chairman, Program Committee, *OR2013 (International Conference on Operations Research, Rotterdam)*
- Member, Organizing Committee, *OR2013 (International Conference on Operations Research, Rotterdam)*
- Member, Program Committee, *OR2012 (International Annual Conference of the German OR Society, Hannover)*
- Member, Award Committee, *Advancement Prize for Management Science and Engineering Management, 2009*
- Member, Editorial Board, *International Journal of Management Science and Engineering Management, 2008-present*
- Member, Editorial Board, *Advances in Operations Research, 2008-2012*
- Co-organizer, *2-Day Conference Operations Research & Health Care, Rotterdam, 2008*
- Member, Editorial Advisory Board, *Computers & Operations Research, 2005-2008*
- Member, Editorial Board, *International Journal of Inventory Research, 2005-present*
- Associate Editor, *Naval Research Logistics, 2003-present*
- Associate Editor, *Statistica Neerlandica, 2001-2015*
- Guest Editor, *Statistica Neerlandica* special issue dedicated to Antoon Kolen , 2007
- Member, Research Master Committee, Dutch Network on the Mathematics of Operations Research (LNMB), 2002-2003
- Member, Board of the Netherlands Organization for Business Economics and Management, 2001-2003
- Member, Board of the National Network on Business Economics, 1999-2000
- Member, Organizing Committee, Conference on Optimization in Public Transport, Rotterdam, the Netherlands, 2002
- Treasurer, Organizing Committee , International Summer School on Combinatorial Optimization, Maastricht, the Netherlands, 1993
- Submission reviewer INCOM2006 (12th IFAC Symposium on Information Control Problems in Manufacturing), 2006
- Submission reviewer, FCT-2003 (14th International Symposium on Fundamentals of Computation Theory), 2003
- Submission reviewer, IPCO '99 (Seventh Conference on Integer Programming and Combinatorial Optimization), 1999
- Proposal reviewer, Austrian Science Fund
- Proposal reviewer, National Science Foundation
- Proposal reviewer, Netherlands Organization for Scientific Research (NWO)
- Proposal reviewer, Research Grants Council of Hong Kong

- External tenure reviewer, Department of Industrial and Systems Engineering, University of Florida
- External promotion reviewer, Saïd Business School, University of Oxford
- External promotion reviewer, Faculty of Engineering and Natural Sciences, Sabanci University
- Reviewer, Young Scientist Award of TUBITAK
- Referee,
 - Annals of Operations Research, Bulletin of the Institute of Combinatorics and its Applications, Computational Optimization and Applications, Computers & Operations Research, Computers & Industrial Engineering, Constraints, Control and Cybernetics, Discrete Applied Mathematics, Discrete Optimization, European Journal of Operational Research, IIE Transactions, INFORMS Journal on Computing, Interfaces, International Journal of Operations and Quantitative Management, International Journal of Physical Distribution and Logistics Management, International Journal of Production Economics, International Journal of Production Research, International Transactions in Operational Research, Journal of Combinatorial Optimization, Journal of Food Engineering, Journal of Global Optimization, Journal of Heuristics, Journal of Industrial and Management Optimization, Journal of Manufacturing and Operations Management, Journal of Scheduling, Management Science, Manufacturing & Service Operations Management, Mathematical Programming, Mathematics of Operations Research, Multi-Criteria Decision Analysis, Naval Research Logistics, Networks, Omega, Operations Research, Operations Research Letters, Opsearch, Optimization, Optimization and Engineering, Optimization Methods and Software, Production and Operations Management, SIAM Journal on Discrete Mathematics, Supply Chain Management: an International Journal, Tinbergen Institute PhD Research Bulletin, Transportation Science*
- (Book) reviewer,
 - CRC Press, Journal of the Operational Research Society, Kwantitatieve Methoden, Mathematical Reviews, Mededelingen van het Wiskundig Genootschap, Nieuw Archief voor Wiskunde*

Honors and awards

- PhD student Harwin de Vries awarded the 1st Prize in the INFORMS Health Applications Society Student Paper Competition, 2015
- Winner, Top Lecturer Award, Erasmus School of Economics, 2014
- Winner, MEL Best Lecturer Award, MSc in Maritime Economics and Logistics, 2014
- PhD student Kristiaan Glorie awarded the 2nd Prize in the INFORMS Health Applications Society Student Paper Competition, 2013
- Former Msc student Harwin de Vries awarded the Best Econometric Thesis Award, 2012

- Finalist, Lecturer of the Year Award, International Bachelor Economics and Business Economics, 2011
- Winner, Lecturer of the Year Award, International Bachelor Economics and Business Economics, 2010
- Nominee, ESE Visibility Award 2009
- Finalist, Lecturer of the Year Award, Master program in Econometrics & Management Science, 2009
- Finalist, Lecturer of the Year Award, International Bachelor Economics and Business Economics, 2009
- Former PhD student Wilco van den Heuvel awarded the ERIM Outstanding Performance Young Researcher Award 2008
- High Performance Researcher, ERIM, 2002-2010, 2014
- Master student Edgar de Gelder honorary mention in VVS thesis competition 2006.
- "Top Researcher", Erasmus School of Economics, 2002-2006
- PhD student Wilco van den Heuvel awarded the Chorafas Prize 2005
- One of the 200 Dutch scientists selected for *Cream of Science*, 2005
- PhD student Dennis Huisman finalist in the INFORMS Transportation Science and Logistics Section Dissertation Prize Competition 2004
- Ranked third among researchers in the area of Operations Research/Management Science, Top-40 of Dutch Economists 2004 (position 5 among the faculty of the Erasmus School of Economics, position 23 in the overall ranking)
- Ranked fifth among researchers in the area of Operations Research/Management Science, Top-40 of Dutch Economists 2003 (position 4 among the faculty of the Erasmus School of Economics, position 28 in the overall ranking)
- PhD student Dennis Huisman co-recipient of the first prize in the student research paper contest on Management Science in Railroad Applications 2002
- Member of ERIM, 1999-present; fellow of ERIM, 2006-present
- Research Fellow of The Tinbergen Institute, the Netherlands Research Institute and Graduate School of Economics, 1999-present
- Member of the Dutch Network on the Mathematics of Operations Research, 2001-present
- Awarded the Research Prize, Trust Fund Erasmus University Rotterdam, 1991
- Awarded one-year fellowship for post-doctoral research in a foreign country, Netherlands Organization for Scientific Research (NWO); spent at MIT, 1990/91
- Paper "On the complexity of postoptimality analysis of 0/1 programs", (co-authored by Stan van Hoesel, originally published in *Discrete Applied Mathematics* 91) selected for inclusion in *Discrete Applied Mathematics, Editors' Choice, Edition 1999*

- Third place, Most Popular Professor, *Lustrum Almanak 1996-2001, Econometrisch Dispuut*, 2000
- Inclusion in *Who's Who in the World*, 18th Edition, 2001
- Inclusion in *Who's Who in Science and Engineering*, 7th Edition, 2003

Project funding and grants

- NWO Sustainable Logistics grant for PhD project “Designing sustainable last-mile delivery services in online retailing”, 2014 (€ 218.000)
- Co-funding by NS Dutch railways of three PhD projects, 2011-2020 (€ 300,000)
- NWO grant for PhD project “Models and Solution Approaches for Complex Production Planning and Scheduling Problems”, 2008 (€ 187.000)
- NWO VENI grant for former PhD student Wilco van den Heuvel, 2008 (€ 208,000)
- EUR fellowship for former PhD student Wilco van den Heuvel, 2007 (€ 200,000)
- “Top Researcher” grant, Erasmus School of Economics, 2002-2006 (€ 50,000)
- Research Prize, Trust Fund Erasmus University Rotterdam, 1991 (€ 2,275)
- NWO fellowship for post-doctoral research at MIT, 1990/91 (€ 50,000)

Courses taught (in the Bachelor-Master program Econometrics & Management Science, unless stated otherwise)

- Quantitative methods for location, distribution and transportation
- Mathematical programming
- Advanced mathematical programming
- Combinatorial optimization
- Fundamental algorithms and data structures
- Deterministic production planning
- Operations research models for logistics management
- Case studies on railway disruption management, movie scheduling, cutting stock problems, vehicle routing, vehicle and crew scheduling in public transport, crew rostering and workforce allocation, asset liability management, option pricing, transportation and distribution network design, aircraft scheduling, aircraft loading, healthcare logistics
- Advanced quantitative techniques for logistics planning (PhD course)
- Marketing models (reading group)
- Stochastic programming (reading group)
- Scheduling problems (ERIM Honours Course)

- Mathematics for Economists (Bachelor program Economics & Business Economics)
- Management Science (Master in Maritime Economics & Logistics)

Other teaching related activities

- Supervision of student project, New York, NY, and Chicago, IL, United States of America (16 days), 1999
- Supervision of student project "Opportunities in an Emerging Economy", Lima, Peru (2 weeks), 1997
- Supervision of student trip to Brussels, Belgium, and Paris, France (2 weeks), 1987

Supervision of PhD students

- Thomas Visser, *Dynamic Time Slot Management in Online Retailing* (expected graduation date: 2019)
- Rutger Kerckamp, *Designing Coordination Mechanisms to Improve Supply Chain Performance under Information Asymmetry* (expected graduation date: 2018)
- Kevin Dalmeijer, *Time Window Assignment in Distribution Networks* (expected graduation date: 2018)
- Harwin de Vries, *Optimizing the Use of Scarce Resources to Control Infectious Diseases* (expected graduation date: 2017)
- Zahra Mobini Dehkordi, *Improving Supply Chain Performance through Coordination Mechanisms* (expected graduation date: 2016)
- Joris Wagenaar, *Practice Oriented Algorithmic Disruption Management in Passenger Railway Transport* (expected graduation date: 2016)
- Kristiaan Glorie, *Clearing Barter Exchange Markets: Kidney Exchange and Beyond*, Erasmus Research Institute of Management, Rotterdam (2014), 184 pages
- Erwin Abbink, *Crew Management in Passenger Rail Transport*, Erasmus Research Institute of Management, Rotterdam (2014), 207 pages
- Lanah Evers, *Robust and Agile UAV Mission Planning*, TNO, The Hague (2013), 147 pages
- Mathijn Retel Helmrich, *Green Lot-Sizing*, Erasmus Research Institute of Management, Rotterdam (2013), 147 pages
- Twan Dollevoet, *Delay Management and Dispatching in Railways*, Erasmus Research Institute of Management, Rotterdam (2013), 145 pages
- Daniel Potthoff, *Railway Crew Rescheduling – Novel Approaches and Extensions*, Erasmus Research Institute of Management, Rotterdam (2010), 135 pages

- Jeroen van Oostrum, *Applying Mathematical Models to Surgical Patient Planning*, Erasmus Research Institute of Management, Rotterdam (2009), 178 pages
- Wilco van den Heuvel, *The Economic Lot-Sizing Problem: New Results and Extensions*, Erasmus Research Institute of Management, Rotterdam (2006), 168 pages
- Dennis Huisman, *Integrated and Dynamic Vehicle and Crew Scheduling*, Thela Thesis Publishers, Amsterdam (2004), 163 pages
- Patrick Meersmans, *Optimization of Container Handling*, Thela Thesis Publishers, Amsterdam (2002), 160 pages (co-promotor)
- Richard Freling, *Models and Techniques for Integrating Vehicle and Crew Scheduling*, Thesis Publishers, Amsterdam (1997), 151 pages (co-promotor)
- André van Vliet, *Lower and Upper Bounds for On-Line Bin Packing and Scheduling Heuristics*, Thesis Publishers, Amsterdam (1995), 144 pages (advisor)

Additional supervision

- Alexander Poot, *Development of Practical Methods for Complex Vehicle Routing Problems* (joint project with ORTEC Consultants BV, Gouda; 1998-1999)

Memberships of professional associations

- Institute for Operations Research and the Management Sciences (INFORMS)
- Netherlands Society for Operations Research (*Nederlands Genootschap voor Besliskunde*)
- Dutch Mathematical Society (*Wiskundig Genootschap*)

Memberships of research institutes

- Econometric Institute
- Erasmus Center for Optimization in Public Transport (ECOPT); founding member
- Erasmus Health Care Logistics; founding member
- Erasmus Research Institute of Management (ERIM); fellow
- Tinbergen Institute; research fellow

Published articles in refereed journals and books

- L.P. Veelenturf, D. Potthoff, D. Huisman, L.G. Kroon, G. Maroti and A.P.M. Wagelmans, "A Quasi-Robust Optimization Approach for Resource Rescheduling", *Transportation Science* 50 (2016), 204-215

- M.J. Retel Helmrich, R. Jans, W. van den Heuvel and A.P.M. Wagelmans, "The Economic Lot-Sizing Problem with an Emission Capacity Constraint", *European Journal of Operational Research* 241 (2015), 50-62
- K.M. Glorie, J.J. van de Klundert and A.P.M. Wagelmans, "Kidney Exchange with Long Chains: An Efficient Pricing Algorithm for Clearing Barter Exchanges with Branch-and-Price", *Manufacturing & Service Operations Management* 16 (2014), 498-512
- L. Evers, A.I. Barros, H. Monsuur and A.P.M. Wagelmans, "Online Stochastic UAV Mission Planning with Time Windows and Time-Sensitive Targets", *European Journal of Operational Research* 238 (2014), 348-362
- K.M. Glorie, B. Haase-Kromwijk, J.J. van de Klundert, A.P.M. Wagelmans and W. Weimar, "Allocation and Matching in Kidney Exchange Programs", *Transplant International* 27 (2014), 333-343
- M.J. Retel Helmrich, R. Jans, W. van den Heuvel and A.P.M. Wagelmans, "Economic Lot-Sizing with Remanufacturing: Complexity and Efficient Formulations", *IIE Transactions* 46 (2014), 67-86
- L. Evers, A.I. Barros, H. Monsuur and A.P.M. Wagelmans, "Online UAV Mission Planning", in P.J. Oonincx and A.J. Van der Wal (Eds.), *Optimal Deployment of Military Systems : Technologies for Military Missions in the Next Decade*, Asser Press, The Hague (2014), pp. 159-178
- K.M. Glorie, M. de Klerk, A.P.M. Wagelmans, J.J. van de Klundert, W.C. Zuidema, F.H.J. Claas and W. Weimar, "Coordinating Unspecified Living Kidney Donation and Transplantation Across the Blood-Type Barrier in Kidney Exchange", *Transplantation* 96 (2013), 814-820
- H.-C. Hwang, W. van den Heuvel and A.P.M. Wagelmans, "The Economic Lot-Sizing Problem with Lost Sales and Bounded Inventory", *IIE Transactions* 45 (2013), 912-924
- J.M. van Oostrum, T. Parlevliet, A.P.M. Wagelmans and G. Kazemier, "A Method for Clustering Surgical Cases to Allow Master Surgical Scheduling. *Infor* 49 (2012), 254-260
- P.S. Stepaniak, R.A.C. van der Velden, J.J. van de Klundert and A.P.M. Wagelmans, "Human and Artificial Scheduling System for Operating Rooms", in R. Hall (Ed.), *Handbook of Healthcare System Scheduling*, Springer, Los Angeles (2012), pp. 155-175
- W. van den Heuvel, O.E. Kundakcioglu, J. Geunes, H.E. Romeijn, T.C. Sharkey and A.P.M. Wagelmans, Integrated Market Selection and Production Planning: Complexity and Solution Approaches. *Mathematical Programming* 134 (2012), 395-424
- Bloemen, L. Evers, A.I. Barros, H. Monsuur and A.P.M. Wagelmans, "A Robust Approach to the Missile Defence Location Problem", *International Journal of Intelligent Defence Support Systems* 4 (2011), 128-147
- W. van den Heuvel and A.P.M. Wagelmans, "Worst Case Analysis for a General Class of On-Line Lot-Sizing Heuristics", *Operations Research* 58 (2011), 59-67

- W. van den Heuvel and A.P.M. Wagelmans, "A Holding Cost Bound for the Economic Lot-Sizing Problem with Time-Invariant Cost Parameters", *Operations Research Letters* 37 (2009), 102-106
- J.M. van Oostrum, M. van Houdenhoven, A.P.M. Wagelmans, and G. Kazemier, "Implementing a Master Surgical Scheduling Approach in a Regional Hospital", *Interfaces* 39 (2009), 549-551
- E.R. de Gelder and A.P.M. Wagelmans, "The Two-Dimensional Cutting Stock Problem within the Roller Blind Production Process", *Statistica Neerlandica* 63 (2009) 474-489
- W. van den Heuvel and A.P.M. Wagelmans, "Four Equivalent Lot-Sizing Models", *Operations Research Letters* 36 (2008), 465-470
- M. Snelder, A.P.M. Wagelmans, J.M. Schrijver, H.J. van Zuylen, L.H. Immers, "Optimal Redesign of Dutch Road Network", *Transportation Research Record* 2029 (2007), 72-79
- S. van Hoesel and A. Wagelmans, "On the p -Coverage Problem on the Real Line", *Statistica Neerlandica* 61 (2007), 16-34
- W. van den Heuvel and A.P.M. Wagelmans, "An Efficient Dynamic Programming Algorithm for a Special Case of the Capacitated Lot-Sizing Problem", *Computers & Operations Research* 33 (2006), 3583-3599
- D. Huisman and A.P.M. Wagelmans, "A Solution Approach for Dynamic Vehicle and Crew Scheduling", *European Journal of Operational Research* 172 (2006), 453-471
- W. van den Heuvel and A.P.M. Wagelmans, "A Polynomial Time Algorithm for a Deterministic Joint Pricing and Inventory Model", *European Journal of Operational Research* 170 (2006), 463-480
- A.P.M. Wagelmans. "The Rotterdam Program in Econometrics & Management Science", *Statistica Neerlandica* 60 (2006), 112-123
- H.K. van Dijk, J.F. Kaashoek and A.P.M. Wagelmans, "Rotterdam Econometrics: An Analysis of Publications of the Econometric Institute 1956-2004", *Statistica Neerlandica* 60 (2006), 85-111
- S. van Hoesel, H. E. Romeijn, D. Romero Morales and A.P.M. Wagelmans, "Integrated Lot-Sizing in Serial Supply Chains with Production Capacities", *Management Science* (2005), 51, 1706-1719
- D. Huisman, R. Freling and A.P.M. Wagelmans, "Multiple-Depot Integrated Vehicle and Crew Scheduling", *Transportation Science* 39 (2005), 491-502
- W. van den Heuvel and A.P.M. Wagelmans, "A Comparison of Methods for Lot-Sizing in a Rolling Horizon Environment", *Operations Research Letters* 33 (2005), 486-496
- D. Huisman, R. Jans, M. Peeters and A.P.M. Wagelmans, "Combining Column Generation and Lagrangian Relaxation", in G. Desaulniers, J. Desrosiers and M.M. Solomon (eds.), *Column Generation*, Springer, New York (2005), pp. 247-270

- D. Huisman, R. Freling and A.P.M. Wagelmans, "A Robust Solution Approach to the Dynamic Vehicle Scheduling Problem", *Transportation Science* 38 (2004), 447-458
- R. Freling, R.M. Lentink and A.P.M. Wagelmans, "A Decision Support System for Crew Planning in Passenger Transportation Using a Flexible Branch-and-Price Algorithm" *Annals of Operations Research* 127 (2004), 203-222
- R. Freling, H.E. Romeijn, D. Romero Morales and A.P.M. Wagelmans, "A Branch and Price Algorithm for the Multi-Period Single-Sourcing Problem", *Operations Research* 51 (2003), 922-939
- R. Freling, D.Huisman and A.P.M. Wagelmans, "Models and Algorithms for Integration of Vehicle and Crew Scheduling", *Journal of Scheduling* 6 (2003), 63-85
- A. de Bruin, G. Kindervater, T. Vredeveld and A. Wagelmans, "Finding a Feasible Solution for a Class of Distributed Problems with a Single Sum Constraint Using Agents", *Constraints* 8 (2003), 209-218
- A. Poot, G. Kant and A.P.M. Wagelmans, "A Savings Based Method for Real-Life Vehicle Routing Problems", *Journal of the Operational Research Society* 53 (2002), 57-68
- C.-Y. Lee, S. Çetinkaya and A.P.M. Wagelmans, "A Dynamic Lot Size Model with Demand Time Windows", *Management Science* 47 (2001), 1384-1395
- R. Freling, J.M. Pinto Paixão and A.P.M. Wagelmans, "Models and Algorithms for Single-Depot Vehicle Scheduling", *Transportation Science* 35 (2001), 165-180
- C.P.M. van Hoesel and A.P.M. Wagelmans, "Fully Polynomial Approximation Schemes for Single-Item Capacitated Economic Lot-Sizing Problems", *Mathematics of Operations Research* 26 (2001), 339-357
- R. Freling, D. Huisman and A.P.M. Wagelmans, "Applying an Integrated Approach to Vehicle and Crew Scheduling in Practice", in S. Voß and J.R. Daduna (eds.), *Computer-Aided Scheduling of Public Transport*, Springer, Berlin (2001), pp. 73-90
- A.P.M. Wagelmans and A.E. Gerodimos, "Improved Dynamic Programs for Batching Problems with Maximum Lateness Criterion", *Operations Research Letters* 27 (2000), 109-118
- C.P.M. van Hoesel and A.P.M. Wagelmans, "Parametric Analysis of Setup Cost in the Economic Lot-Sizing Model without Speculative Motives", *International Journal of Production Economics* 66 (2000), 13-22
- H. Bart and A.P.M. Wagelmans, "An Integer Programming Problem and Rank Decomposition of Block Upper Triangular Matrices", *Linear Algebra and its Applications* 305 (2000), 107-129
- R. Freling, A.P.M. Wagelmans and J.M. Pinto Paixão, "An Overview of Models and Techniques for Integrating Vehicle and Crew Scheduling", in: N.H.M. Wilson (ed.), *Computer-Aided Scheduling of Public Transport*, Springer, Berlin (1999), pp. 441-460

- S. van Hoesel and A. Wagelmans, "On the Complexity of Postoptimality Analysis of 0/1 Programs", *Discrete Applied Mathematics* 91 (1999), 251-263 (selected for inclusion in *Discrete Applied Mathematics, Editors' Choice, Edition 1999*)
- N. Chakravarti and A.P.M. Wagelmans, "Calculation of Stability Radii for Combinatorial Optimization Problems", *Operations Research Letters* 23 (1998), 1-7
- Y.N. Sotskov, A.P.M. Wagelmans and F. Werner, "On the Calculation of the Stability Radius of an Optimal or an Approximate Schedule", in: H. Bräsel and F. Werner (eds.), *Annals of Operations Research 83: Models and Algorithms for Planning and Scheduling Problems* (1998), 213-252
- D.X. Shaw and A.P.M. Wagelmans, "An Algorithm for Single-Item Capacitated Economic Lot Sizing with Piecewise Linear Production Costs and General Holding Costs", *Management Science* 44 (1998), 831-838
- C.P.M. van Hoesel, A.P.M. Wagelmans and M. van Vliet, "An $O(n \log n)$ Algorithm for the Two-Machine Flow Shop Problem with Controllable Machine Speeds", *INFORMS Journal on Computing* 8 (1996), 376-382
- C.P.M. van Hoesel and A.P.M. Wagelmans, "An $O(T^3)$ Algorithm for the Economic Lot-Sizing Problem with Constant Capacities", *Management Science* 42 (1996), 142-150
- A.W.J. Kolen, A.H.G. Rinnooy Kan, C.P.M. van Hoesel and A.P.M. Wagelmans, "Sensitivity Analysis of List Scheduling Heuristics", *Discrete Applied Mathematics* 55 (1994), 145-162
- S. van Hoesel, A. Wagelmans and B. Moerman, "Using Geometric Techniques to Improve Dynamic Programming Algorithms for the Economic Lot-Sizing Problem and Extensions", *European Journal of Operational Research* 75 (1994), 312-331
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