

Curriculum Vitae Frits C.R. Spieksma (February 2019)

1 Personal

Name: Frederik Cornelis Rafaël Spieksma.

Nationality: Dutch.

Day of birth: May 30, 1964.

Working Address: Faculty of Mathematics and Computer Science, Eindhoven University of Technology (TU/e), PO Box 513, 5600 MB, Eindhoven, the Netherlands.

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2 Education

1976-1982: Municipal Gymnasium, Leiden.

1982-1987: Econometrics, at the University of Groningen; graduation date: December 18, 1987.

1988-1992: PhD student at Maastricht University; date of PhD defense: February 21, 1992.

3 Career

Nov. 1, 1985 - Sept. 1, 1987: Student Assistant, supervised by dr. L. Schoonbeek, Department of Mathematical Economics, University of Groningen.

Febr. 1, 1988 - March 1, 1992: PhD student, supervised by prof.dr.ir.drs. O.J. Vrieze (UM).

March 1, 1992 - July 1, 1992: Visiting Scholar, hosted by Prof.dr. M. Queyranne, University of British Columbia, Vancouver, Canada.

July 1, 1992 - July 1, 1995: Assistant Professor, Department of Mathematics, Maastricht University.

July 1, 1995 - October 1, 2001: Associate Professor, Department of Mathematics, Maastricht University.

October 1, 2001 - October 1, 2005: Professor, ORSTAT, Faculty of Economics and Business, KU Leuven.

October 1, 2005 - January 1, 2018: Ordinary Professor, ORSTAT, Faculty of Economics and Business, KU Leuven.

January 1, 2018 - October 1, 2019: Guest Professor, ORSTAT, Faculty of Economics and Business, KU Leuven.

January 1, 2018 - current: Full Professor, Combinatorial Optimization Group, Department of Mathematics and Computer Science, TU/e.

4 Teaching

4.1 Regular Courses taught at TU/e

Optimization (2MMD10), for students Industrial and Applied Mathematics (IAM), first master year (2018-present; approximate number of students: 50).

Optimization (2DME20), for students Electrical Engineering (EE), first master year (2018-present; approximate number of students: 15).

Decision Theory (0LSUC0), for students of TU/e (a USE course), 2nd bachelor year; (2018-present; approximate number of students: 60)

Calculus B (2WBB0), for students of TU/e, senior tutor.

4.2 Regular Courses taught at KU Leuven

Applied Optimization, for students Handelsingenieur, first master year (2011-2017; approximate number of students: 20).

Kwantitatieve Beleidsmethoden (Optimaliseren), for students Toegepast Economische Wetenschappen, third bachelor year (2010-2017; approximate number of students: 250; in Dutch).

Toepassingen van Operationeel Onderzoek, for students Handelsingenieur, first master year (2002-2017; approximate number of students: 200; in Dutch).

Lineair Optimaliseren, for students Handelsingenieur, second bachelor year (2001-2016; approximate number of students: 250; in Dutch).

Optimization: special topics, Doctoral course (approximate number of students: 25; 2003-present).

A list of past courses is available upon request.

5 Supervision of PhD students

5.1 In progress

Roel Lambers (2018 - , TU/e)

Simon Soto (2018 - , TU/e)

Celine Swennenhuis (2019 - , TU/e)

5.2 As Promotor

Annette Ficker (2014-2018, KU Leuven); thesis: Combinatorial optimization problems with conflicts or vectors (defense date: June 13, 2018; currently employed at Quintiq)

Bart Vangerven (2013-2017, KU Leuven); thesis: Combinatorial auctions: theory, practice, and experiments (defense date: December 18, 2017; currently employed at Wuppertal University)

Túlio Toffolo (2013-2017, KU Leuven); thesis: Decomposition-based algorithms for optimization problems (defense date: November 10, 2017; currently employed at KU Leuven)

Ward Passchyn (2012-2016, KU Leuven); thesis: Scheduling Locks on Inland Waterways (defense date: June 27, 2016; currently employed at OM Partners)

Bart Smeulders (2011-2015, KU Leuven); thesis: Testing theories of choice behavior (defense date: March 27, 2015; currently employed at ULg)

Wim Vancroonenburg (2011-2015, KU Leuven); thesis: Operational decision support models and algorithms for hospital admission planning and scheduling (defense date: January 9, 2015; currently employed at KU Leuven)

Joris Kinable (2011-2014, KU Leuven); thesis: Decomposition Approaches for Optimization Problems (defense date: December 5, 2014; employed by Carnegie Mellon University, currently by TU/e)

Trivikram Dokka (2009-2013, KU Leuven); thesis: Algorithms for Multi-index Assignment Problems (defense date: September 13, 2013; currently employed at Lancaster University)

Fabrice Talla Nobibon (2006-2010, KU Leuven); thesis: Algorithms for selection and graph-coloring problems with applications in marketing and micro-economics (defense date: September 24, 2010; currently employed at Fedex)

Sofie Coene (2005-2009, KU Leuven); thesis: Routing problems with profits and periodicity (defense date: May 26, 2009; currently employed as teacher at a high school)

Dries Goossens (2002-2006, KU Leuven); thesis: Exact Methods for Combinatorial Auctions (defense date: December 20, 2006; currently employed at Ghent University)

Linda S. Moonen (2001-2005, KU Leuven); thesis: Algorithms for some Graph-Theoretic Optimization Problems (defense date: September 2005; currently employed at Centraal Buro voor Statistiek)

Sofia Kovaleva (1999-2003, Maastricht University); thesis: Approximation of geometric set packing and hitting set problems (defense date: September 24, 2003; currently employed at Energy Essentials)

5.3 As Co-promotor

Kris Coolen (2009-2014, KU Leuven); thesis: Models and algorithms for search and sequencing problems.

Lotte Berghman (2007-2012, KU Leuven); thesis: Machine scheduling models for warehousing docking operations.

Jeroen H.G.C. Rutten (1994-1998, Maastricht University); thesis: Polyhedral clustering.

5.4 As member of the examination committee (since 2001)

2019:

Alessandro Garavaglia (TU/e, promotor R. van der Hofstad (Jan 29); thesis: Preferential attachment models for dynamic networks.

2018:

José Núñez Ares (KU Leuven, promotor P. Goos (March 22); thesis: trend-robust and minimally aliased response surface designs by means of integer linear programming.

Daniel Kowalczyk (KU Leuven, promotor R. Leus (June 6); thesis: Scheduling with Conflicts.

Marek Elias (TU/e, promotor N. Bansal (Sept 17)); thesis: Algorithms for some metrical service systems.

Grigorios Koumoutsis (TU/e, promotor N. Bansal (Sept 6); thesis: Algorithms for k-Server Problems.

Shaswat Garg (TU/e, promotor N. Bansal (Oct 10); thesis: Algorithms for Combinatorial Discrepancy.

Mehran Mehr (TU/e, promotor M. de Berg (Dec 5); thesis: Faster Algorithms for Geometric Clustering and Competitive Facility-Location Problems.

2017:

Sofie Burggraeve (KU Leuven, promotor P. Vansteenwegen); thesis: Passenger robust timetables for dense railway networks.

Pieter Jan Kerstens (KU Leuven, promotor L. Cherchye); thesis: Beyond black box modeling in production: methodological advances in nonparametric methods.

2016:

Guillaume Duviellé (Université de Montpellier, promotor R. Giroudeau); thesis: Approximation, Complexité Paramétrée et Stratégie de Résolution de Problèmes d'Affectation Multidimensionnelle.

2015:

Marco Castro (Antwerp University, promotor K. Sorensen, January); thesis: Models and Algorithms for travelling salesperson problems with hotel selection.

Abdelrahman Aly (Université Catholique de Louvain, promotor Mathieu Van Vyve); thesis

2014:

Derya Sever (Technical University of Eindhoven, Promotor T. de Kok); thesis: Routing in Stochastic Networks.

2013:

Jannes Verstichel (KU Leuven; promotor P. De Causmaecker and G. Vanden Berghe); thesis: The Lock Scheduling Problem.

Mahdi Noorizadegan (Warwick University (my role: External Examiner); promotor B. Chen); thesis: On Vehicle Routing with Uncertain Demands.

Xian Qiu (University of Twente; promotor M. Uetz); thesis: Fractional Programming in Cooperative Games

Jeroen Schokkaert (KU Leuven, October; promotor J. Swinnen); thesis: Economic aspects of sports and migration

Bertus Talsma (University of Groningen; promotores Sierksma and Teunter); thesis: Performance analysis in elite sports

2012:

Sebastián Marbán (Maastricht University; promotor S. van Hoesel); thesis: Pricing and Scheduling under Uncertainty

Pablo Andres Maya Duque (University of Antwerp); thesis: Optimisation models and algorithms for non-profit logistics and disaster management problems

Bert Marchal (Maastricht University; promotor S. Van Hoesel); thesis: Treewidth. Structural properties and algorithmic insights

Christian Eggermont (Technical University of Eindhoven; promotor G. Woeginger); thesis: Reachability Problems in Scheduling and Planning.

2010:

Patrick Schittekat (University of Antwerp); thesis: Metaheuristics for planning in logistics: from theory to industrial applications

2009:

Joyce van Loon (Maastricht University); thesis: Algorithmic Pricing

Brecht Cardoen (KU Leuven); thesis: Operating room planning and scheduling: solving a surgical case sequencing problem

2008:

Xinhui Wang (Twente University); thesis: Exact Algorithms for the Steiner Tree Problem

Verus Pronk (Technical University of Eindhoven); thesis: Resource management in cable access networks

2007:

Reinder Lok (Maastricht University); thesis: Auction Mechanisms in Supply Chain Optimization

2001-2006:

Tobias Brüggeman (2006, Twente University); thesis: Efficiency of local search

Joep Aerts (2002, Technical University of Eindhoven); thesis: Random redundant storage for video on demand

Jan-Willem Goossens (2004, Maastricht University); thesis: Models and algorithms for railway line planning problems

Jan Adem (2004, KU Leuven); thesis: Supervised classification

Wil Michiels (2004, Technical University of Eindhoven (cum laude)); thesis: Performance ratios for differencing methods

Alexander Grigoriev (2003, Maastricht University); thesis: High multiplicity scheduling problems

5.4.1 1993-2001

Adrie Koster (1999, UM); thesis: Frequency assignment - models and algorithms

Koen de Bontridder (2001, TUE); thesis: Integrating purchase and production planning: using local search in supply chain optimization

Robert van de Leensel (1999, UM); thesis: Models and algorithms for telecommunication network design

Maarten Oosten (1996, UM); thesis: A polyhedral approach to grouping problems

Joris van de Klundert (1996, UM); thesis: Scheduling problems in automated manufacturing

Ron van der Wal (1995, UM); thesis: Trees and objects

Jeroen Kuipers (1994, UM); thesis: Combinatorial methods in cooperative game theory

5.4.2 As chairman of the promotion committee

Filip Deblaere (2010, KUL); thesis: Resource-constrained project scheduling under uncertainty

Nicolas Glady (2008, KUL); thesis: Customer Profitability Modeling

Lien Lamey (2008, KUL); thesis: The private-label nightmare: can national brands ever wake up?

Karen Crabbé (2008, KUL); thesis: Essays on corporate tax competition in Europe

David Martens (2008, KUL); thesis: Building acceptable classification models for financial engineering applications

Kobe Millet (2007, KUL); thesis: Prenatal Testosterone, Personality, and Economic Behavior

Stijn Van De Vonder (2006, KUL); thesis: Proactive-reactive procedures for robust project scheduling

Kelly Geyskens (2006, KUL); thesis: The ironic effects of food temptations on self-control performance

Jeroen Belien (2006, KUL); thesis: Exact and heuristics methodologies for patient scheduling: problems, formulations, algorithms

6 Research

6.1 Statistics

	Google Scholar	Since 2014
Number of citations	3287	1438
h-index	31	22
i10-index	69	45

Table 1: Statistics

6.2 Journal Publications

- 104** *Online Interval Scheduling on Two Related Machines: the Power of Lookahead*,
Pinson, N. and F.C.R. Spieksma,
to appear in the Journal of Combinatorial Optimization.
- 103** *Scheduling a Non-Commercial Indoor Football League: a Tabu Search Based Approach*,
Van Bulck, D., D. Goossens and F.C.R. Spieksma,
to appear in Annals of Operations Research.
- 102** *The transportation problem with conflicts*,
Ficker, A., F.C.R. Spieksma, G.J. Woeginger,
to appear in Annals of Operations Research.
- 101** *Building kidney exchange programmes in Europe An overview of exchange practice and activities*,
Biró, P., B. Haase-Kromwijk, T. Andersson, E. Ásgeirsson, T. Baltessová, I. Boletis, C. Bolotinha,
G. Bond, G. Böhmig, L. Burnapp, K. Cechlárová, P. Di Ciaccio, J. Fronek, K. Hadaya, A. Hemke,
C. Jacquelinet, R. Johnson, R. Kieszek, D. Kuypers, R. Leishman, M.-A. Macher, D. Manlove,
G. Menoudakou, M. Salonen, B. Smeulders, V. Sparacino, F. Spieksma, M. de la Oliva Valentín
Muñoz, N. Wilson, J. van de Klundert,
to appear in Transplantation.
- 100** *No-wait scheduling for Locks*,
Passchyn, W., D. Briskorn and F.C.R. Spieksma,
to appear in INFORMS Journal on Computing.
- 99** *Scheduling parallel batching machines in a sequence*,
Passchyn, W. and F.C.R. Spieksma,
to appear in Journal of Scheduling.
- 98** *Revealed preference theory: an algorithmic outlook*,
Smeulders, B., Y. Crama, and F.C.R. Spieksma,
European Journal of Operational Research **272**, 803-815, 2019.
- 97** *Testing Probabilistic Models of Choice using Column Generation*,
Smeulders, B., C. Davis-Stober, M. Regenwetter, and F.C.R. Spieksma,
Computers and Operations Research **95**, 32-43, 2018.
- 96** *The sport teams grouping problem*,
Toffolo, T., J. Christiaens, F.C.R. Spieksma, and G. Vanden Berghe,
to appear in Annals of Operations Research.
- 95** *Conference scheduling a personalized approach*,
Vangerven, B., A. Ficker, D. Goossens, W. Passchyn, F.C.R. Spieksma, and G. Woeginger,
OMEGA **172**, 38-47, 2018.
- 94** *Robust Balanced Optimization*,
Ficker, A., F.C.R. Spieksma and G.J. Woeginger,
EURO Journal on Computational Optimization **6**, 239-266, 2018.
- 93** *Round-robin tournaments generated by the Circle Method have maximum carry-over*,
Lambrechts, E., A. Ficker, D. Goossens, and F.C.R. Spieksma,
Mathematical Programming **172**, 277-302, 2018.
- 92** *Exact algorithms for the Equitable Traveling Salesman Problem*,
Kinable, J., B. Smeulders, E. Delcour, and F.C.R. Spieksma,
European Journal of Operational Research **261**, 475-485, 2017.
- 91** *Winner Determination in Geometrical Combinatorial Auctions*,
Vangerven, B., D. Goossens and F.C.R. Spieksma,
European Journal of Operational Research **258**, 254-263, 2017.

- 90 *Fast separation for the three-index assignment problem*,
Dokka, T., Y. Mourtos, and F.C.R. Spieksma,
Mathematical Programming Computation **9**, 39-59, 2017.
- 89 *Revealed preference tests of collectively rational consumption behavior: formulations and algorithms*,
Talla Nobibon, F., L. Cherchye, Y. Crama, B. De Rock, T. Demuyne, and F.C.R. Spieksma,
Operations Research **64**, 1197-1216, 2016.
- 88 *The lockmaster's problem*,
Passchyn, W., D. Briskorn, S. Coene, J. Hurink, F.C.R. Spieksma, and G. Vanden Berghe,
European Journal of Operational Research **251**, 432-441, 2016.
- 87 *Mathematical programming models for lock scheduling with an emission objective*,
Passchyn, W., D. Briskorn, and F.C.R. Spieksma,
European Journal of Operational Research **248**, 802-814, 2016.
- 86 *Facets of the axial three-index assignment polytope*,
Dokka, T. and F.C.R. Spieksma,
Discrete Applied Mathematics **201**, 86-104, 2016.
- 85 *The focus of attention problem*,
Goossens, D., S. Polyakovskiy, F.C.R. Spieksma, and G.J. Woeginger
Algorithmica **74**, 559-573, 2016.
- 84 *Winning in straight sets helps in Grand Slam tennis*,
Goossens, D., J. Kempeneers, R.H. Koning, F.C.R. Spieksma
Performance Analysis in Sports **15**, 1007-1021, 2015.
- 83 *Complexity results for the Weak Axiom of Revealed Preference for collective consumption models*,
Smeulders, B., L. Cherchye, B. de Rock, F.C.R. Spieksma, and F. Talla Nobibon
Journal of Mathematical Economics **58**, 82-91, 2015.
- 82 *Valid inequalities for a time-indexed formulation*,
Berghman, L. and F.C.R. Spieksma
Operations Research Letters **43**, 268-272, 2015.
- 81 *Transitive preferences in multi-member households*,
Smeulders, B., L. Cherchye, B. de Rock, F.C.R. Spieksma, and F. Talla Nobibon
Economic Theory Bulletin **3**, 243-254, 2015.
- 80 *A Note on Testing Axioms of Revealed Preference*,
Talla Nobibon, F., B. Smeulders, and F.C.R. Spieksma
Journal of Optimization Theory and Applications **166**, 1063-1070, 2015.
- 79 *Multi-Dimensional Vector Assignment Problems*,
Dokka, T., Y. Crama, and F.C.R. Spieksma
Discrete Optimization **14**, 111-125, 2014.
- 78 *The red-blue transportation problem*,
Vancroonenburg, W., F. Della Croce, D. Goossens, and F.C.R. Spieksma,
European Journal of Operational Research **237**, 814-823, 2014.
- 77 *Schoolbus Routing - a column generation approach*,
Kinable, J., F.C.R. Spieksma, and G. Vanden Berghe,
International Transactions on Operations Research **21**, 453-478, 2014.
- 76 *The generalized lock scheduling problem: an exact approach*,
Verstichel, J., G. Vanden Berghe, P. De Causmaecker, and F.C.R. Spieksma,
Transportation Research Part E **65**, 16-34, 2014.
- 75 *Combinatorial auction design for a real-estate market*,
Goossens, D., S. Onderstal, J. Pijnacker, and F.C.R. Spieksma,
Interfaces **44**, 351-363, 2014.
- 74 *Goodness of fit measures for revealed preference tests: complexity results and algorithms*,
Smeulders, B., L. Cherchye, B. de Rock, and F.C.R. Spieksma,
ACM Transactions on Economics and Computation **2**, 3:1 - 3:16, 2014.
- 73 *Exact and heuristic methods for placing ships in locks*,
Verstichel, J., P. De Causmaecker, F.C.R. Spieksma, and G. Vanden Berghe,
European Journal of Operational Research **235**, 387-398, 2014.
- 72 *Optimal solutions for a dock assignment problem with trailer transportation*,
Berghman, L., Leus, R., and F.C.R. Spieksma,
Annals of Operations Research **213**, 3-25, 2014.
- 71 *The money pump as a measure of revealed preference violations: a comment*,
Smeulders, B., L. Cherchye, B. de Rock, and F.C.R. Spieksma,
Journal of Political Economy **121**, 1248-1258, 2013.

- 70 *Balancing profits and costs on trees*,
Coene, S., C. Filippi, F.C.R. Spieksma, and E. Stevanato,
Networks **61**, 200-211, 2013.
- 69 *The three-dimensional matching problem in Kalmanson matrices*,
Polyakovskiy, S., F.C.R. Spieksma, and G.J. Woeginger,
Journal of Combinatorial Optimization **26**, 1-9, 2013.
- 68 *A metaheuristic for the school bus routing problem with bus stop selection*,
Schittekat, P., J. Kinable, K. Sørensen, M. Sevaux, F.C.R. Spieksma and J. Springael,
European Journal of Operational Research **229**, 518-528, 2013.
- 67 *Heuristics for the traveling repairman problem with profits*,
Dewilde, T., D. Cattrysse, S. Coene, F.C.R. Spieksma, and P. Vansteenwegen,
Computers and Operations Research **40**, 1700-1707, 2013.
- 66 *The accessibility arc upgrading problem*,
Maya Duque, P., S. Coene, P. Goos, K. Sørensen, and F.C.R. Spieksma,
European Journal of Operational Research **224**, 458-465, 2013.
- 65 *Between a rock and a hard place: the two-to-one assignment problem*,
Goossens, D., S. Polyakovskiy, F.C.R. Spieksma, and G.J. Woeginger,
Mathematical Methods of Operations Research **76**, 223-237, 2012.
- 64 *Approximating the multi-level bottleneck assignment problem*,
Dokka T., A. Kouvela, and F.C.R. Spieksma,
Operations Research Letters **40**, 282-286, 2012.
- 63 *On the computational complexity of peer-to-peer satellite refueling strategies*,
Coene, S., A. Dutta, F.C.R. Spieksma, and P. Tsiotras,
INFOR **50**, 88-94, 2012.
- 62 *The interval ordering problem*,
Dürr, C., M. Queyranne, F.C.R. Spieksma, F. Talla Nobibon, and G.J. Woeginger,
Discrete Applied Mathematics **160**, 1094-1103, 2012.
- 61 *Computer-assisted proofs of performance ratios for the Differencing Method*,
Michiels, W., E. Aarts, J. Korst, J. van Leeuwen, and F.C.R. Spieksma,
Discrete Optimization **9**, 1-16, 2012.
- 60 *Soccer schedules in Europe: an overview*,
Goossens, D. and F.C.R. Spieksma,
Journal of Scheduling **15**, 641-651, 2012.
- 59 *Coloring graphs using two colors while avoiding monochromatic cycles*,
Talla Nobibon, F., C. Hurkens, R. Leus, and F.C.R. Spieksma,
INFORMS Journal on Computing **24**, 485-499, 2012.
- 58 *The carryover effect does not influence football results*,
Goossens, D. and F.C.R. Spieksma,
Journal of Sports Economics **13**, 288-305, 2012.
- 57 *Comparing league formats with respect to match importance in Belgian football*,
Beliën, J., D.R. Goossens, and F.C.R. Spieksma,
Annals of Operations Research **194**, 223-240, 2012.
- 56 *Breaks, cuts, and patterns*,
Goossens, D. and F.C.R. Spieksma,
Operations Research Letters **39**, 428-432, 2011.
- 55 *Charlemagne's Challenge: the periodic latency problem*,
Coene, S., F.C.R. Spieksma, and G.J. Woeginger,
Operations Research **59**, 674-683, 2011.
- 54 *Optimization models for targeted offers in direct marketing: Exact and heuristic algorithms*,
Talla Nobibon, F., R. Leus, and F.C.R. Spieksma,
European Journal of Operational Research **210**, 670-683, 2011.
- 53 *Heuristics for deciding collectively rational consumption behavior*,
Talla Nobibon, F., L. Cherchye, B. De Rock, J. Sabbe, and F.C.R. Spieksma,
Computational Economics **38**, 173-204, 2011.
- 52 *On the complexity of testing the Collective Axiom of Revealed Preference*,
Talla Nobibon, F. and F.C.R. Spieksma,
Mathematical Social Sciences **20**, 123-136, 2010.
- 51 *Round robin tournaments and three index assignments*,
Briskorn, D., A. Drexl, and F.C.R. Spieksma,
AOR **8**, 365-374, 2010.

- 50 *The approximability of three-dimensional assignment problems with bottleneck objective*,
Goossens, D., S. Polyakovskiy, F.C.R. Spijksma, and G.J. Woeginger,
Optimization Letters **4**, 7-16, 2010.
- 49 *On a periodic vehicle routing problem*,
Coene, S., A. Arnout, and F.C.R. Spijksma,
Journal of the Operational Research Society **61**, 1719-1728, 2010.
- 48 *Algorithms for recognizing economic properties in matrix bid combinatorial auctions*,
Goossens, D.R., R. Müller, and F.C.R. Spijksma,
INFORMS Journal on Computing **22**, 339-352, 2010.
- 47 *Connectivity measures for Internet Topologies on the Level of Autonomous Systems*,
Erlebach, T., L. Moonen, F.C.R. Spijksma, and D. Vukadinovic,
Operations Research **57**, 1006-1025, 2009.
- 46 *Scheduling the Belgian soccer league*,
Goossens, D.R. and F.C.R. Spijksma,
Interfaces **39**, 109-118, 2009.
- 45 *Exact algorithms for the matrix bid auction*,
Goossens, D.R. and F.C.R. Spijksma,
Computers and Operations Research **36**, 1090-1109, 2009.
- 44 *The transportation problem with exclusionary side constraints*,
Goossens, D. and F.C.R. Spijksma,
4OR **7**, 51-60, 2009.
- 43 *Counting and enumerating aggregate classifiers*,
Adem, J., Y. Crama, W. Gochet, and F.C.R. Spijksma,
Discrete Applied Mathematics **156**, 2459-2468, 2008.
- 42 *Profit-based latency problems on the line*,
Coene, S. and F.C.R. Spijksma,
Operations Research Letters **36**, 333-337, 2008.
- 41 *Partitioning a weighted partial order*,
Moonen, L.S. and F.C.R. Spijksma,
Journal of Combinatorial Optimization **15**, 342-356, 2008.
- 40 *A note on a motion control problem for a placement machine*,
Coene, S., N. Hop, J. van de Klundert, and F.C.R. Spijksma,
OR Spectrum **30**, 535-549, 2008.
- 39 *Interval Scheduling: A Survey*,
Kolen, A.W.J., J.K. Lenstra, C. Papadimitriou, and F.C.R. Spijksma,
Naval Research Logistics **54**, 530-543, 2007.
- 38 *Pricing bridges to cross a river*,
Bouhtou, M., A. Grigoriev, S. van Hoesel, A.F. van der Kraaij, F.C.R. Spijksma,
Naval Research Logistics **54**, 411-420, 2007.
- 37 *Disconnecting graphs by removing vertices: a polyhedral approach*,
Oosten, M., J.H.G.C. Rutten, and F.C.R. Spijksma,
Statistica Neerlandica **61**, 35-60, 2007.
- 36 *The tool switching problem revisited*,
Crama, Y., L.S. Moonen, F.C.R. Spijksma, and E. Talloen,
European Journal of Operational Research **182**, 952-957, 2007.
- 35 *Exact algorithms for procurement problems under a total quantity discount structure*,
Goossens, D.R., A.J.T. Maas, F.C.R. Spijksma, and J.J. van de Klundert,
European Journal of Operational Research **178**, 603-626, 2007.
- 34 *Approximation algorithms for rectangle stabbing and interval stabbing problems*,
Kovaleva, S. and F.C.R. Spijksma,
SIAM Journal on Discrete Mathematics **20**, 748-768, 2006.
- 33 *Exact algorithms for a loading problem with bounded clique width*,
Moonen, L.S. and F.C.R. Spijksma,
INFORMS Journal on Computing **18**, 455-465, 2006.
- 32 *Modeling and solving the periodic maintenance problem*,
Grigoriev, A., J.J. van de Klundert, and F.C.R. Spijksma,
European Journal of Operational Research **172**, 783-797, 2006.
- 31 *The no-wait flow-shop paradox*,
Spijksma, F.C.R. and G.J. Woeginger,
Operations Research Letters **33**, 603-608, 2005.

- 30 *Selecting telecommunication carriers to obtain volume discounts*, Klundert, J. van de, J. Kuipers, F.C.R. Spieksma, and M. Winkels, *Interfaces* **35**, 124-132, 2005.
- 29 *Local search heuristics for multi-index assignment problems with decomposable costs*, Bandelt, H.-J., A. Maas, and F.C.R. Spieksma, *Journal of the Operational Research Society* **55**, 694-704, 2004.
- 28 *Interval selection: applications, algorithms, and lower bounds*, Erlebach, T. and F.C.R. Spieksma, *Journal of Algorithms* **46**, 27-53, 2003.
- 27 *Random redundant storage in disk arrays: complexity of retrieval problems*, Aerts, J., J. Korst, F. Spieksma, W. Verhaegh, and G. Woeginger, *IEEE Transactions on Computers* **52**, 1210-1214, 2003.
- 26 *Over versnijden, volgorde's, en veilingen: combinatorisch optimaliseren in de praktijk*, F.C.R. Spieksma, *Tijdschrift voor Economie en Management* **48**, 97-118, 2003.
- 25 *An LP-based algorithm for the data association problem in multi-target tracking*, Storms, P.P.A. and F.C.R. Spieksma, *Computers and Operations Research* **30**, 1067-1085, 2003.
- 24 *A branch-and-price algorithm for a hierarchical crew scheduling problem*, Faneyte, D.B.C., F.C.R. Spieksma, and G.J. Woeginger, *Naval Research Logistics* **49**, 743-759, 2002.
- 23 *Primal-dual approximation algorithms for a packing-covering pair of problems*, Kovaleva, S. and F.C.R. Spieksma, *RAIRO-Recherche Opérationnelle* **36**, 53-72, 2002.
- 22 *Production planning problems in printed circuit board assembly*, Crama, Y., J.J. van de Klundert, and F.C.R. Spieksma, *Discrete Applied Mathematics* **123**, 339-361, 2002.
- 21 *The clique partitioning problem: facets and patching facets*, Oosten, M., J.H.G.C. Rutten, and F.C.R. Spieksma, *Networks* **38**, 209-226, 2001.
- 20 *A polynomial algorithm for multiprocessor scheduling with two job lengths*, McCormick, S.T., S.R. Smallwood, and F.C.R. Spieksma, *Mathematics of Operations Research* **26**, 31-49, 2001.
- 19 *Solving a bi-criterion cutting stock problem with open-ended demand: a case-study*, Kolen, A.W.J. and F.C.R. Spieksma, *Journal of the Operational Research Society* **51**, 1238-1247, 2000.
- 18 *The feeder rack assignment problem in PCB assembly: a case study*, Klomp, C., J.J. van de Klundert, F.C.R. Spieksma, and S. Voogt, *the International Journal of Production Economics* **64**, 399-407, 2000.
- 17 *On the approximability of an interval scheduling problem*, Spieksma, F.C.R., *Journal of Scheduling* **2**, 215-227, 1999.
- 16 *Lifting theorems and facet characterization for a class of clique partitioning inequalities*, Bandelt, H.-J., M. Oosten, J.H.G.C. Rutten, and F.C.R. Spieksma, *Operations Research Letters* **24**, 235-243, 1999.
- 15 *A general class of greedily solvable linear programs*, Queyranne, M., F.C.R. Spieksma, and F. Tardella, *Mathematics of Operations Research* **23**, 892-908, 1998.
- 14 *Approximation algorithms for multi-index transportation problems with decomposable costs*, Queyranne, M. and F.C.R. Spieksma, *Discrete Applied Mathematics* **76**, 239-254, 1997.
- 13 *The assembly of printed circuit boards: a case with multiple machines and multiple board types*, Crama, Y., O.E. Flippo, J.J. van de Klundert, and F.C.R. Spieksma, *European Journal of Operational Research* **98**, 457-472, 1997.
- 12 *A decision support system for locating facilities and routing traffic on a factory site*, Derks, J.J.M. and F.C.R. Spieksma, *Belgian Journal of Operations Research, Statistics, and Computer Science* **36**, 173-184, 1996.
- 11 *The component retrieval problem in printed circuit board assembly*, Crama, Y., O.E. Flippo, J.J. van de Klundert, and F.C.R. Spieksma, *the International Journal of Flexible Manufacturing Systems* **8**, 287-312, 1996.

- 10 *Scheduling jobs of equal length: complexity, facets and computational results*,
Crama, Y. and F.C.R. Spieksma,
Mathematical Programming **72**, 207-227, 1996.
- 9 *Geometric three-dimensional assignment problems*,
Spieksma, F.C.R. and G.J. Woeginger,
European Journal of Operational Research **91**, 611-618, 1996.
- 8 *Scheduling with safety distances*,
Spieksma, F.C.R., G.J. Woeginger, and Z. Yu,
Annals of Operations Research (Mathematics of Industrial Systems) **57**, 251-264, 1995.
- 7 *The computational complexity of a bin packing game*,
Spieksma, F.C.R. and G.J. Woeginger,
Central European Journal for Operations Research and Economics **3**, 39-49, 1994/1995.
- 6 *A branch-and-bound algorithm for the two-dimensional vector packing problem*,
Spieksma, F.C.R.,
Computers and Operations Research **21**, 19-25, 1994.
- 5 *Minimizing the number of tool switches on a flexible machine*,
Crama, Y., A.W.J. Kolen, A.G. Oerlemans, and F.C.R. Spieksma,
International Journal of Flexible Manufacturing Systems **6**, 33-54, 1994.
- 4 *Approximation algorithms for multidimensional assignment problems with decomposable costs*,
Bandelt, H.-J., Y. Crama, and F.C.R. Spieksma,
Discrete Applied Mathematics **49**, 25-50, 1994.
- 3 *Approximation algorithms for three-dimensional assignment problems with triangle inequalities*,
Crama, Y. and F.C.R. Spieksma,
European Journal of Operational Research **60**, 273-279, 1992.
- 2 *Throughput rate optimization in the automated assembly of printed circuit boards*,
Crama, Y., A.W.J. Kolen, A.G. Oerlemans, and F.C.R. Spieksma,
Annals of Operations Research **26**, 455-480, 1990.
- 1 *On the system setup and the scheduling problem in a flexible manufacturing system (FMS)*,
Spieksma, F.C.R., K. Vrieze, and A.G. Oerlemans,
Statistica Neerlandica **44**, 125-138, 1990.

6.3 Some Publications in Conference Proceedings

- Partitioning Vectors into Quadruples: worst-case analysis of a matching-based algorithm.*,
Ficker, A., T. Erlebach, M. Mihalák, and F.C.R. Spieksma, in: Proceedings of the 29th International Symposium on Algorithms and Computation (ISAAC2018), LIPICs **123**, edited by Wen-Lian Hsu, Der-Tsai Lee, and Chung-Shou Liao, 45:1 - 45:12 (2018).
- Balanced Vector Optimization*,
Ficker, A., F.C.R. Spieksma and G.J. Woeginger, in: Proceedings of the 14th International Workshop on Approximation and Online Algorithms (WAOA2016), LNCS **10138**, edited by K. Jansen and M. Mastrolilli, 92-102 (2017).
- Conference scheduling: a personalized approach*,
Vangerven, B., A. Ficker, D. Goossens, W. Passchyn, F.C.R. Spieksma, and G. Woeginger, in: Proceedings of the 11th International Conference on Practice and Theory of Automated Timetabling (PATAT2016), 384-401 (2016).
- Round-Robin Tournaments Generated by the Circle Method Have Maximum Carry-Over*,
Erik Lambrechts, Annette M. C. Ficker, Dries R. Goossens, Frits C. R. Spieksma, in: Proceedings of the 18th IPCO Conference, LNCS **9682**, edited by Q. Louveaux and M. Skutella, 178-189 (2016).
- Mathematical programming models for scheduling locks in sequence*,
Ward Passchyn and Dirk Briskorn and Frits C. R. Spieksma, in: Proceedings of the 14th Workshop on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS), OASICS **42**, edited by S. Funke and M. Mihalak, 92-106 (2014).
- Fast Separation Algorithms for Three-Index Assignment Problems*,
Dokka, T., I. Mourtos, and F.C.R. Spieksma, in: Proceedings of the 2nd International Symposium on Combinatorial Optimization, LNCS **7422**, edited by A.R. Mahjoub, V. Markakis, I. Milis, V. Paschos, 189-200 (2012).
- Approximating the Multi-level Bottleneck Assignment Problem*,
Trivikram Dokka and Anastasia Kouvela and Frits C. R. Spieksma, in: Proceedings of the 6th International Workshop on Algorithms and Computation (WALCOM), LNCS **7157**, edited by M. Rahman and S. Nakano, 64-75 (2012).

- Approximation Algorithms for the Wafer to Wafer Integration Problem*,
 Trivikram Dokka and Marin Bougeret and Vincent Boudet and Rodolphe Giroudeau and Frits C. R. Spieksma, in: Proceedings of the 10th International Workshop on Approximation and Online Algorithms (WAOA), LNCS **7846**, edited by T. Erlebach and G. Persiano, 286–297 (2012).
- Solids - A Combinatorial Auction for a Housing Corporation*,
 Dries R. Goossens and Sander Onderstal and Frits C. R. Spieksma, in: Proceedings of the 2nd International Workshop on Auctions, Market Mechanisms, and Their Applications (AMMA), Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering **80**, edited by P. Coles, S. Das, S. Lahaie, B. Szymanski, 76–87 (2011).
- The Lockmaster’s problem*,
 Sofie Coene and Frits C. R. Spieksma, in: Proceedings of the 11th Workshop on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS), OASICS **20**, edited by A. Caprara and S. Kontogiannis, 27–37 (2011).
- Exact Algorithms for Coloring Graphs While Avoiding Monochromatic Cycles*,
 Fabrice Talla Nobibon and Cor A. J. Hurkens and Roel Leus and Frits C. R. Spieksma, in: Proceedings of the 6th International Workshop on Algorithmic Aspects in Information and Management (AAIM), LNCS **6124**, edited by B. Chen, 229–242 (2010).
- The Focus of Attention Problem*,
 Dries R. Goossens and Sergey Polyakovskiy and Frits C. R. Spieksma and Gerhard J. Woeginger, in: Proceedings of the Twenty-First Annual ACM-SIAM Symposium on Discrete Algorithms (SODA), SIAM, edited by M. Charikar, 312–317 (2010).
- Heuristics for the Traveling Repairman Problem with Profits*,
 Thijs Dewilde and Dirk Cattrysse and Sofie Coene and Frits C. R. Spieksma and Pieter Vansteenwegen, in: Proceedings of the 10th Workshop on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS), OASICS **14**, edited by T. Erlebach and M. Lübbecke, 34–44 (2010).
- Between a Rock and a Hard Place: The Two-to-One Assignment Problem*,
 Dries R. Goossens and Sergey Polyakovskiy and Frits C. R. Spieksma and Gerhard J. Woeginger, in: Proceedings of the 6th International Workshop on Approximation and Online Algorithms (WAOA), LNCS **5893**, edited by E. Bampis and K. Jansen, 159–169 (2009).
- Exact Algorithms for the Matrix Bid Auction*,
 Dries R. Goossens and Frits C. R. Spieksma, in: Proceedings of the 6th International Workshop on Experimental Algorithms (WEA), LNCS **4525**, edited by C. Demetrescu, 433–445 (2007).
- Approximation of Rectangle Stabbing and Interval Stabbing Problems*,
 Sofia Kovaleva and Frits C. R. Spieksma, in: Proceedings of the 12th Annual European Symposium on Algorithms (ESA), LNCS **3221**, edited by S. Albers and T. Radzik, 426–435 (2004).
- Approximation of Rectangle Stabbing and Interval Stabbing Problems*,
 Joep Aerts and Jan H. M. Korst and Frits C. R. Spieksma, in: Proceedings of the 5th Italian Conference on Algorithms and Complexity (CIAC), LNCS **2653**, edited by R. Petrechi, G. Persiano, R. Silvestri, 178–188 (2003).
- Approximation of a Geometric Set Covering Problem*,
 Sofia Kovaleva and Frits C. R. Spieksma, in: Proceedings of the 12th International Symposium on Algorithms and Computation (ISAAC), LNCS **2223**, edited by P. Eades and T. Takaoka, 493–501 (2001).
- Simple Algorithms for a Weighted Interval Selection Problem*,
 Thomas Erlebach and Frits C. R. Spieksma, in: Proceedings of the 11th International Symposium on Algorithms and Computation (ISAAC), LNCS **1969**, edited by D.T. Lee and S. Teng, 228–240 (2000).
- Approximating an Interval Scheduling Problem*,
 Frits C. R. Spieksma, in: Proceedings of the 1st International Workshop on Approximation Algorithms for Combinatorial Optimization (APPROX), LNCS **1444**, edited by K. Jansen and D. Hochbaum, 169–180 (1999).
- Polynomial Algorithms for Multiprocessor Scheduling with a Small Number of Job Lengths*,
 S. Thomas McCormick and Scott R. Smallwood and Frits C. R. Spieksma, in: Proceedings of the Eighth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA), SIAM, edited by M. Saks, 509–517 (1997).
- Scheduling Jobs of Equal Length: Complexity, Facets and Computational Results*,
 Yves Crama and Frits C. R. Spieksma, in: Proceedings of the 4th IPCO Conference, LNCS **920**, edited by E. Bals and J. Clausen, 277–291 (1995).
- A general class of greedily solvable linear programs*,
 Maurice Queyranne and Frits C. R. Spieksma and Fabio Tardella, in: Proceedings of the 3rd IPCO Conference, edited by Giovanni Rinaldi and Laurence A. Wolsey, 385–399 (1993).

6.4 Books

Assignment and scheduling algorithms in automated manufacturing, Ph. D. thesis of Maastricht University (1992), ISBN 90-9004828-6.

Production planning in automated manufacturing, with Y. Crama and A.G. Oerlemans, Lecture Notes in Economics and Mathematical Systems **414** (1994), Springer Verlag, Heidelberg, Germany, ISBN 3-540-58082-4.

Production planning in automated manufacturing, with Y. Crama and A.G. Oerlemans, Second, revised and enlarged edition (1996), Springer Verlag, Heidelberg, Germany, ISBN 3-540-61359-5.

More than 800 copies sold.

Lineair Optimaliseren, with M. Vandebroek and L. Verbruggen (2006), Acco, ISBN 90 334 6353 9.

Lineair Optimaliseren, Acco, ISBN 978 90 334 7295 4 (2008).

6.5 Editorship

Currently, Associate Editor or member of Editorial Board of:

- Operations Research Letters (2008-present),
- INFORMS Transactions on Education (2016-present),
- Journal of Quantitative Analysis in Sports (2013-present),
- 4OR (2015-present).

Past:

- OMEGA (2015-2018),
- Computers and Operations Research (1994-2014),
- Naval Research Logistics (2002-2004),
- IIE Transactions on Operations Engineering (2007-present),
- International Journal of Management Science and Engineering Management, MSEM (2009-2012),
- International Journal of Mathematics and Mathematical Sciences, IJMMS (2009-2012).

Prize:

- Receipt of the Certificate of Excellence for “outstanding contributions” to IIE Transactions (2002).

Member of the program committee of:

- ISAAC 2019
- Operations Research in Brussels, the annual international conference of the German Operations Research Society (OR2018)
- Workshop on Approximation and Online Algorithms (WAOA2017)
- European Symposium on Algorithms ESA2017 (Track B)

- MathSportInternational 2017
- Matheuristics 2016 - Sixth International Workshop on Model-based Metaheuristics
- 14th International Symposium on Experimental Algorithms (SEA2015).
- 12th workshop on Models and Algorithms for Planning and Scheduling Problems (MAPSP2015).
- Second Workshop on Approximation, Parameterized and EXact algorithms (APEX2013).
- 13th bi-annual Symposium on Algorithms and Data Structures (WADS2013)
- 10th workshop on Models and Algorithms for Planning and Scheduling Problems (MAPSP2011).
- 10th Workshop on Algorithmic Approaches for Transportation Modelling, Optimization, and Systems (ATMOS 2010)
- The Sixth International Conference on Algorithmic Aspects in Information and Management (AAIM 2010)
- Models and Algorithms for Planning and Scheduling Problems (MAPSP2005).
- Workshop on Approximation and Online Algorithms (WAOA2005).

Editor of special issue:

- Crama, Y., D. Goossens, R. Leus, M. Schyns, F.C.R. Spieksma (2017), Special issue: Twelfth Workshop on Models and Algorithms for Planning and Scheduling Problems (MAPSP 2015), *Journal of Scheduling* **20**, 543.
- Goossens, D. and F.C.R. Spieksma (2014), Introduction to the MathSport papers, *Journal of Quantitative Analysis in Sports* **10**, 89.

6.6 Grants (over 30.000 euro)

- EuroTech Grant for Daniel Kowalczyk (2yrs post-doc)
- KU Leuven grant C2 Dynamic Combinatorial Optimization (around 500.000 euro, joint with G. Vanden Berghe and P. De Causmaecker)
- KU Leuven CELSA grant (around 90.000 euro, joint with T. Jordan (Eotvos University))
- FWO Grant G.0729.13 on Practical Combinatorial Auctions (around 200.000 euro for four years starting in 2014 - Funding for PhD Bart Vangerven)
- IUAP Grant: COMEX (around 500.000 euro for four years starting in 2013, together with P. De Causmaecker - Funding for PhD Ward Passchyn)
- FWO Grant G.0447.10 on Computational Economics (around 200.000 euro for four years starting in 2011 - Funding for PhD Bart Smeulders)
- OT Grant (OT/07/015): Methods for multidimensional assignment problems (160.000 euro for four years starting in 2008 - Funding for PhD Trivikram Dokka)

- FWO Grant G.0541.06: client oriented vehicle routing (jointly with University of Antwerp, 400.000 euro for four years starting in 2007 - Funding for PhD Sofie Coene)
- FWO Grant G.0114.03: models and methods for combinatorial auctions (200.000 euro for four years starting in 2004 - Funding for PhD Dries Goossens).
- Participation in the European Project called APPOL II (“APProximation and OnLine algorithms”): Contract no.:IST-2001-32007.
- Participation in the European Project called APPOL I (“APProximation and OnLine algorithms”): Contract no.:IST-1999-14084.

6.7 Management Tasks

- Principal Investigator of NETWORKS (Jan 1, 2019 - current).
- Member of the board of DIAMANT (April 1, 2018 - present).
- Member of the Management Committee of COST Action 15210 (2016 - present), entitled: “European Network for Collaboration on Kidney Exchange Programmes”
- Member of the Scientific Board of the PhD program Analytics in Economics and Management (Brescia) (2017 - present)
- President of the Belgian Society of Operations Research, ORBEL (2014-2017; see www.orbel.be)
- Chairman and founder of the EURO Working Group “OR in Sports” (2015 - present; see www.orinsports.com)
- Member of the Steering Committee of the bi-annual conference Models and Algorithms for Planning and Scheduling Problems (MAPSP)
- Director of the Leuven School of Business and Economics (2005-2008)
- Program Director of the advanced master programs MABS, MASE, MFE, MIBE (2005-2008)
- Chairman POC advanced masters (2005-2008)
- Chairman Evaluation committee advanced masters (2005-2008)
- Chairman of ORSTAT (2007-2009)
- Member of the board of the Faculty of Business and Economics (2005-2008)
- Member of the board of the Department of Applied Economics (2004-2005)
- Member of the board of the Dutch Society of Operations Research (NGB) (2000-2004)
- Member of the board of the Belgian Society of Operations Research, ORBEL (2003-present)
- Chairman of the Department of Mathematics (1997)
- Member of the board of the Faculty of General Sciences (1994-1999).
- Member of the Dutch Society for Mathematics of Operations Research (LNMB) (1996-present)

- Member of the committee internationalization of the UM (1995-1999).
- Member of the Board of the Center for European Studies (1996-1999).
- Member of the Public Relations committee Knowledge Engineering (1993).
- Member of the Library Committee of the Faculty of General Sciences (1994-present).
- Student-member of the council of the interfaculty econometrics, University of Groningen (1986).

6.8 Organizing activities

- Organizer of YC60, September 11, 2018.
- Organizer of MAPSP2015, June 2015, La-Roche-en-Ardenne (five days, around a 120 participants).
- Organizer of Math in Sports, June 2013, Leuven (three days, around a 100 participants).
- Organizer of ORBEL2009, February 2009, Leuven (two days, around a 100 participants).
- Organization of the Symposium on Combinatorial Auctions, December 20, 2006 in Leuven.
- Organization of the APPOL II workshop, November 8-9 2002, Leuven (16 speakers, 30 participants).

6.9 Visits and stays

- Sabbatical at London School of Economics (sept 2009 - march 2010).
- Visited Carlo Filippi, Brescia University, February 2008.
- Visiting Professor at University of Perugia, department of mathematics, summer school, august 2007.
- Visited Alessandro Agnetis, in Siena, april 2005.
- Visited Gerhard Woeginger, in Graz, June 1995.

7 Presentations

Invited speaker at the following meetings.

- DIAMANT symposium, Veldhoven, April 2018
- AUEB Sports Analytics Workshop, Athens, Nov. 2017
- Graduierten kollege, Osnabrück, Nov. 2017
- First Workshop on the Economics of Football, Kazan (Russia), June 2017
- OR2016, the international conference of the German OR Society, Hamburg, Sept. 2016

- Workshop on Tractable special cases of hard combinatorial optimization problems, Graz, Dec. 2014
- XIV Ecuadorian Meeting of Mathematics and its Applications, Quito, Sept 2014
- Dinalog Winterschool, Breda, Feb 2012
- MAPSP2009, Rolduc, June 2009
- MISTA 2007, Paris, August 2007

A list of presentations (> 100) is available upon request.

8 Commercial Activities

- Organization: EuroTransplant; subject: developing a simulation for kidney allocation decisions; Project member: Bart Smeulders (ULg).
- Organization: Stadgenoot (Amsterdam); Subject: auctions for renting; Output: advice on auction design and implementation 2010-2012; Methodology: Integer Programming; Project member: D. Goossens
- Organization: ProLeague (Brussels); Subject: sport scheduling; Output: Schedule for the seasons starting from 2006-2007, ongoing work; Methodology: Integer Programming and Local Search; Project member: D. Goossens
- Company: Atlascopco, Subject: Assortment problem, Output: Report (2002), Methodology: Integer Programming, Project members: Z. Degraeve (LBS), R. Jans (EUR)
- Company: Comperex, Subject: Crew Scheduling, Output: feasibility study (2003), Methodology: Linear Programming, Project member: E. Demeulemeester
- Company: Libertel, Subject: best cost routing, Output: a tool (2000), Methodology: heuristics, linear programming, UM project members: J. van de Klundert, J. Kuipers, M. Winkels
- Company: EDS, Subject: course “Communicatie en modellering van netwerkoptimalisering”, Output: a certificate, Methodology: teaching, UM project member: J. van de Klundert
- Company: GELVA BV, Subject: Cutting problem, Output: a software tool (1999), Methodology: branch-and-bound, UM project member: prof.dr.ir. A. Kolen
- Company: ENCI Netherlands BV, Subject: Capacity Planning, Output: a software tool called SOLVE (“Simulatie van Orderafhandeling en Logistiek Voor Enci”) (1997-1998), Methodology: simulation, UM project members: dr.ir. J. Rutten and dr. J. van de Klundert

9 Miscellaneous

- Ex-holder of the Dutch record in number of hours of consecutive tennis playing.
- Author of “Breekpunt”, ISBN 978 90 8666 444 3