Vorträge

1. *The impact of on-demand warehousing on the design of a multi-echelon distribution network*, International Conference on Operations Research, Technical University of Munich, Germany, September 4-6, 2024.
2. *A triple bottom line approach for redesigning a food bank supply chain network*, Tilburg University, The Netherlands, August 29, 2024 (invited talk).
3. *Dynamic facility location problems with delays in demand satisfaction*, Norwegian University of Science and Technology, Trondheim, Norway, October 26, 2023 (invited talk).
4. *Multi-objective optimization for planning cultivation and harvesting operations in the sugarcane industry*, International Conference on Operations Research, University of Hamburg, Germany, August 29-September 1, 2023.
5. *Multi-period distribution network design under flexible conditions for short-term location planning*, International Symposium on Locational Decisions - ISOLDE XVI, Kaiserslautern and Baden-Baden, Germany, June 25-30, 2023.
6. *Multi-period facility location and capacity planning under uncertainty*, XXVII Meeting of the European Working Group on Locational Analysis, University of Aveiro, Portugal, September 14-16, 2022.
7. *Two-echelon distribution network redesign under flexible conditions*, International Conference on Operations Research, Karlsruhe Institute of Technology, Germany, September 7-9, 2022.
8. *Facility location models for supply chain network design*, 4th Workshop Women in Optimization, National Metrology Institute, Berlin, Germany, June 13-15, 2022 (invited talk).
9. *Tactical planning of sugarcane harvesting and transport operations*, International Conference on Operations Research, University of Bern, Switzerland, August 31-September 3, 2021 (online).
10. *A stochastic dynamic facility location problem with modular capacity adjustments and delayed demand satisfaction*, XV International Symposium on Locational Decisions, University of Wuppertal, Germany, July 5-9, 2021 (online).
11. *Two-phase heuristics for a multi-period facility location problem with delayed demand satisfaction*, XXV Meeting of the European Working Group on Locational Analysis, Free University of Brussels, Belgium, June 5-7, 2019.
12. *Multi-echelon supply chain network design with transportation mode selection, product outsourcing and single-assignment requirements*, International Conference on Operations Research, Conference & Business Centre Brussels, Belgium, September 12-14, 2018.
13. *A tri-objective multi-period model to redesign a food bank supply chain network*, International Conference on Operations Research, Free University of Berlin, Germany, September 6-8, 2017.
14. *Redesign of a food bank supply chain considering economic, environmental and social issues*, XIV International Symposium on Locational Decisions, Toronto and Huntsville, Canada, July 10-14, 2017.
15. *Lean hospital methods to improve the supply of materials in a large hospital*, Saarland University Hospital, Homburg, Germany, September 7, 2016 (invited talk).
16. *Multi-period facility location with dynamic capacity planning and delayed demand satisfaction*, International Conference on Operations Research, Helmut Schmidt

University, Hamburg, Germany, August 30 – September 2, 2016.

17. *Operations Research in Health Care Logistics*, New University of Lisbon, Centre of Mathematics and Applications, Monte da Caparica, Portugal, May 4, 2016 (invited 3h-seminar).

18. *Multi-period capacitated facility location under delayed demand satisfaction*, International Conference on Operations Research, University of Vienna, Austria, September 1-4, 2015.

19. *Elective surgery planning and scheduling: A case study of a German hospital*, University of Lisbon, Lisbon School of Economics and Management, Lisbon, Portugal, February 2, 2015 (invited talk).

20. *Teaching mathematics and statistics to business students: Challenges and experiences in a German University of Applied Sciences*, MetaMath/MathGeAr Workshop, University of Saarland, Saarbrücken, Germany, September 11, 2014 (invited talk).

21. *Evaluating different policies on scheduling elective surgical procedures: A case study*, International Conference on Operations Research, University of Aachen, Germany, September 2-5, 2014.

22. *Dynamic design and redesign of multi-echelon, multi-commodity logistics networks with outsourcing opportunities: A computational study*, XIII International Symposium on Locational Decisions, Naples and Capri, Italy, June 2-5, 2014.

23. *Short-term operating room scheduling at the Kusel Hospital: Modeling and analysis of various scenarios*, Annual Meeting of the Working Group on Health Care Management of the German Operations Research Society, Kusel, Germany, February 28, 2014.

24. *A multi-period logistics network design problem with transportation mode selection and outsourcing opportunities*, International Conference on Operations Research, Erasmus University Rotterdam, The Netherlands, September 4-6, 2013.

25. *Decision support in long-haul freight transportation: Optimization methods for route planning considering EU driver regulations and vehicle refueling policies*, Annual Conference of amotIQ, Cologne, Germany, June 7, 2013 (invited talk).

26. *Refuel decisions and driver time management in long-haul freight trans*portation, Technical University of Lisbon, Lisbon School of Economics and Management, Lisbon, Portugal, April 8, 2013 (invited talk).

27. *Hospital logistics: Lessons learned from using Operations Research to improve resource management*, 1st Workshop on the Paths of Combinatorial Applications in Portugal, Sabrosa, Portugal, September 5-7, 2012 (invited talk).

28. *Comparing classical performance measures for a multi-period logistics network design problem*, 25th European Conference on Operational Research, Vilnius, Lithuania, July 8-11, 2012.

29. *Analysis and design of a material supply system for an intensive care unit*, Annual Meeting of the Working Group on Health Care Management of the German Operations Research Society, Ulm, Germany, February 24, 2012.

30. *Design of multi-period two-echelon logistics networks including facility sizing decisions*, XIX Meeting of the European Working Group on Locational Analysis, Nantes, France, October 12-14, 2011.

31. *A multi-period two-level network design problem with facility sizing decisions*, International Conference on Operations Research, University of Zurich, Switzerland, August 20 - September 2, 2011.

32. *Optimization and innovation in transport logistics at Saarland*, Conference on Service,

Logistics and Science, Göttelborn, Germany, May 19, 2011 (invited talk).

33. *Planning models for long-haul freight transportation integrating EU driver regulations and vehicle refueling policies*, Optimization workshop in honor of the 60th Anniversary of Prof. Dr. Horst W. Hamacher, Lambrecht, Germany, April 25-27, 2011 (invited talk).

34. *A two-echelon supply chain network design problem with facility sizing decisions and variable operating costs*, XVIII Meeting of the European Working Group on Locational Analysis, Naples, Italy, April 28-30, 2010.

35. *On the dynamic dial-a-ride problem for patient transportation in hospital*s, New University of Lisbon, Department of Mathematics, Monte da Caparica, Portugal, April 7, 2010 (invited talk).

36. *LP-rounding and local search techniques to solve a multi-period facility relocation problem*, 23rd European Conference on Operational Research, Bonn, Germany, July 5-8, 2009.

37. *Exploring telematics data for performance evaluation and decision support in long-haul freight transportation*, 82nd Meeting of the Working Group on Mathematical Optimization of the German Operations Research Society, Pirmasens, Germany, April 2-3, 2009.

38. *Mathematics in hospitals: Decision support planning for hospital logistics*, Series of Lectures within the Framework of the "Year of Mathematics", Saarbrücken, Germany, November 3, 2008 (invited talk).

39. *Solving a multi-period production/distribution network design problem with tabu search*, XVII Meeting of the European Working Group on Locational Analysis, Elche, Spain, September 17-19, 2008.

40. *A tabu search approach for a multi-period production/distribution system design proble*m, International Conference on Operations Research, University of Saarland, Saarbrücken, Germany, September 5-7, 2007.

41. *Supply Chain Design*, DASMOD (Dependable Adaptive Systems and Mathematical Modeling) Workshop, Technical University of Kaiserslautern, Germany, March 1, 2007.

42. *Hospital appointment planning*, Annual Meeting of the Working Group on Health Care Management of the German Operations Research Society, Münster, Germany, February 24, 2006.

43. *New optimization approaches for strategic supply chain design*, Annual Meeting of the Working Group on Supply Chain Management of the German Operations Research Society, Wiesbaden, October 28, 2005.

44. *Heuristics for dynamic dial-a-ride problems for in-house hospital transportation*, University of Lisbon, Faculty of Sciences, Portugal, September 20, 2005 (invited talk).

45. *Heuristics for dynamic dial-a-ride problems for in-house hospital transportation*, University of Catania, Italy, October 25, 2005 (invited talk).

46. *A two-stage heuristic approach for a dynamic multi-commodity facility location problem*, X International Symposium on Locational Decisions, Sevilla and Islantilla, Spain, June 2-8, 2005.

47. *Integrated modeling of logistics processes in hospitals*, Joint Conference of the Working Groups on OR in Health Care of the Austrian and German Operations Research Societies, Technical University of Vienna, Vienna, Austria, February 25, 2005.

48. *Optimization of hospital transports*, MEDICA - International Trade Fair for Medicine, Düsseldorf, Germany, November 25, 2004.

49. *Dynamic dial-a-ride problems for patient transportation*, Annual Meeting of the Working

Group on OR in Health Care of the German Operations Research Society, University of Heidelberg, Germany, March 5, 2004.

50. *Optimization of patient transports: The case of the University Hospital Johannes Gutenberg Mainz*, MEDICA - International Trade Fair for Medicine, Düsseldorf, Germany, November 19, 2003.

51. *Dynamic multi-commodity facility location: A mathematical modeling framework for strategic supply chain planning*, XIV Meeting of the European Working Group on Locational Analysis, Corfu, Greece, September 11-13, 2003.

52. *Dynamic multi-commodity facility location: A mathematical modeling framework for strategic supply chain planning*, Symposium on Operations Research, University of Heidelberg, Germany, September 3-5, 2003.

53. *Mathematical programming models for strategic supply chain planning*, 8th Magdeburg Logistics Conference, Magdeburg, Germany, November 14-15, 2002.

54. *Facility location planning in supply chain management*, IX International Symposium on Locational Decisions, Fredericton and St. Andrews, Canada, June 12-18, 2002.

55. *Facility location in supply chain design*, TRISTAN IV - Triennial Symposium on Transportation Analysis, Azores, Portugal, June 13-19, 2001.

56. *A heuristic approach for a multistage lot-sizing problem with dynamic production structure*, Symposium on Operations Research, Dresden, Germany, September 9-12, 2000.

57. *Facility location decisions in supply chain management*, Symposium on Operations Research, Magdeburg, Germany, September 1-3, 1999.

58. *Facility location and supply chain management*, VIII International Symposium on Locational Decisions, Coimbra and Estoril, Portugal, June 23-29, 1999.

59. *Estimation of aluminium recycling rates: A statistical approach*, Workshop of the Collaborative Research Center "Comprehensive analysis of metallic raw material flows based on resources", Bergisch Gladbach, Germany, April 23-24, 1998.

60. *Production strategies for a stochastic lot-sizing problem using overtime*, 9th International Working Seminar on Production Economics, Igls/Innsbruck, Austria, February 19-23, 1996.

61. *Extending make-to-order rules to a stochastic lot-sizing problem in make-to-stock manufacturing*, PROSEM'95 - Production Planning and Control: Models and Applications, Molde, Norway, May 18-19, 1995.

62. *Stochastic lot-sizing: Solution and heuristic methods*, 8th International Working Seminar on Production Economics, Igls/Innsbruck, Austria, February 21-25, 1994.

63. *Heuristic procedures for the stochastic lot-sizing problem*, PhD Seminar, Wageningen, The Netherlands, October 22, 1993.

64. *Heuristic procedures for the stochastic lot-sizing problem*, Econometric Institute Regular Seminar, Erasmus University Rotterdam, The Netherlands, October 21, 1993.

65. *Heuristic procedures for the stochastic lot-sizing problem*, 22nd Annual Meeting of the German Operations Research Society in Cooperation with NSOR, Amsterdam, The Netherlands, August 1993.

66. *Stochastic lot-sizing*, PhD Seminar, Tinbergen Institute, Erasmus University Rotterdam, The Netherlands, January 29, 1993.

67. *The adapted Weiszfeld method for single facility location problems in the euclidean space*, 12th European Conference on Operational Research, Helsinki, Finland, June 29 - July 1, 1992.

68. *Convergence of the Weiszfeld method for solving single facility continuous space location models*, VI Meeting of the EURO Working Group on Locational Analysis, Tenerife, Spain, April 1992.

69. *Generalization of the Weiszfeld method for the single facility continuous space location problem and analysis of convergence*, 5th Conference of the Portuguese Operations Research Society, Évora, Portugal, April 20-25, 1992.

70. *Solving the single facility continuous space location problem using the Weiszfeld method*, Workshop on Large-Scale Optimization, Coimbra, Portugal, July 1991.

71. *A decision support system to plan the distribution of fertilizers*, 1st IFORS Specialized Conference, Bruges, Belgium, March 26-29, 1991.

72. *A computational system for planning the routing of wagons at Quimigal*, 4th Conference of the Portuguese Operations Research Society, Lisbon, Portugal, December 1989.