

CV

Sanne Wøhlk

Born: December 25th, 1975.

E-mail: sanw@econ.au.dk

Citizenship: Danish.

Gender: Female.

Education

- 2005 PhD. in Business Administration, University of Southern Denmark.
- 2002 Master's degree in Mathematics and Economics, Odense University/University of Southern Denmark.

Positions

- 2017- Professor, Department of Economics and Business Economics, Aarhus University.
- 2011- 2017 Associate professor, Department of Economics and Business Economics, Aarhus University.
(Since the merge of Department of Business Studies, ASB and Department of Economics, AU)
- 2009-2011 Associate professor, Department of Business Studies, Aarhus School of Business, Aarhus University.
- 2005-2009 Assistant professor, Department of Business Studies, Aarhus School of Business, Aarhus University.

Visiting Positions

- 2011 A number of shorter research visits at Lancaster University Management School, UK.
- Spring 2004 Visiting Doctoral Follow at School of Industrial and Systems Engineering, Georgia Institute of Technology, GA, USA.

Research Grants Received

- 2024 – 2028: Research project 2 Grant from the Danish Council for Independent Research, Social Sciences (FSE). Project 3099-00003B (project leader):
Title: ComRoute: Combinatorial approach to exact solution of routing problems.
6.19 mill. DDK.
- 2019 – 2021: SDG network grand from Aarhus University (network leader):
25 AU researchers and 10 industrial/business partners.

Title: “Overcoming the Challenges of a Circular Economy”
1 mill DDK.

- 2015 – 2020: Research project 2 Grant from the Danish Council for Independent Research, Social Sciences (FSE). Project 4182-00021 (project leader):
Title: “Transportation issues related to waste management”.
4.1 mill. DKK.
- 2010 – 2014: Part of a Nordic research project: “Management, design and evaluation of sustainable freight and logistics systems” which received 8 mill. NOK from NordForsk.
- 2013: Grants for WARP1 – 1st Workshop on Arc Routing Problems, Copenhagen, Denmark 2013
 - Carlsbergfondet: 32.000 DKK
 - EURO – The European Operations Research Society: 1.500 €
 - DORS – The Danish Operations Research Society: 10.000 DKK
- 2004: Grants for 6 months research visit to School of Industrial and Systems Engineering, Georgia Institute of Technology, GA, USA during PhD studies.
 - Knud Højgaards Fond: 20.500 DKK
 - Herdorfs Fond: 10.000 DKK
 - Konsul Axel Nielsen's Mindelegat: 10.000 DKK
 - Konsul Axel Nielsen's Mindelegat til handelsmæssig uddannelse: 11.000 DKK
 - Otto Mønsted's Fond: 10.000 DKK
 - Danske Banks Fond: 6.000 DKK
 - Reinholdt W. Jorck og Hustrus Fond: 10.000 DKK
 - Oberstløjtnant Max Nørgaard og Hustrus Fond: 15.000 DKK

Management Activities

- 2019-2021: Leader of SDG network “Overcoming the Challenges of a Circular Economy”
- 2018-2022: Member of PhD field committee at Department of Economics and Business Economics, Aarhus University.
- 2016-2019: Member of the Academic Council, Aarhus BSS, Aarhus University.
- 2012-2018: Editor of ORbit – Journal of the Danish Operations Research Society (DORS)
- 2011-2012: Member of Departmental Forum, Department of Economics and Business.
- 2009-2013: Coordinator of the Master’s program in Logistics and Supply Chain Management.
- 2008-2012: Board member of the Danish Operations Research Society (DORS).

Service Activities

- Since 2024: Associate editor of International Transactions in Operational Research.
- Since 2022: Associate editor of Networks.
- 2024-2025: Co-organizer of WARP5, Vienna, Austria, 2025.
- 2024-2025: Program committee member for EURO-2025, Leeds, UK, 2025.
- 2024: Gave PhD course entitled “OR in Waste Management” in Vienna, Austria.
- 2021-2024: Seminar coordinator for CORAL. Jointly with Marcel Turkensteen.
- 2020-2024: Consultant for Vestforbrændingen.
- 2019-2021: Organizer of a number of workshops in SDG network.
- 2019-2021: Member of GRO – the green think tank of Horsens municipality.
- 2019: Member of working group to develop AU’s sustainability strategy.

- 2019: Member of the prize committee for “EURO Excellence in Practice Award”.
- Organizer of Mini-conference on Waste, Aarhus, Denmark, 2019.
- 2016-2019: On the Editorial board of Journal on Vehicle Routing Algorithms (A Springer journal)
- Organizer of Mini-conference on Waste, Aarhus, Denmark, 2017.
- Co-organizer of WARP2 – 2nd Workshop on Arc Routing Problems, Lisbon, Portugal, 2016.
- Main organizer of WARP1 – 1st Workshop on Arc Routing Problems, Copenhagen, Denmark 2013.
- 2012-2015: Organizer of the CORAL research group. Jointly with Marcel Turkensteen.
- Organizer of PhD course on meta heuristics with three external lecturers, Aarhus Denmark, 2012.
- Organizer of YDOR – 1st Young Danish Operations Research Workshop, Aarhus, Denmark, 2011.
- Co-organizer of NOS4 – 4th Nordic Optimization Symposium, Aarhus, Denmark, 2010.
- Organizer of OR-day, Aarhus, Denmark, 2010.
- Organizer of OR-day, Aarhus, Denmark, 2009.
- Organizer of OR-day, Aarhus, Denmark, 2008.
- Participant in research presentations to the general public via web-tv. Available at ASBcast.dk.

Research

Sanne Wøhlk’s (SW) research is within the area of Operations Research and Logistics. A major part of her research has been within so-called Arc Routing Problems where the primary application is in waste collection. In her research she draws upon tools from business administration, operations research, computer science, mathematics, and programming.

SW’s research interest falls in two areas. The first area is the research themes originating from the logistics issues of reverse logistics, in particular waste collection and recycling processes. The second area is the planning of transportation and distribution of goods in a way that is both economically sound, environmentally sustainable, and meets the requirements of the customers.

Referee

Reviewer for a number of scientific journals including: European Journal of Operational Research, Operational Research Journal, Networks, Optimization, and Transportation Science.

Mentoring Experience

	Completed	Currently supervising
PhD students	7	3
Master theses	54	6
Research internships	2	0
Bachelor theses	16	0

A detailed list can be found in the appendix.

Other activities: Sanne Wøhlk has supervised more than 40 undergraduate students in seminar projects and a number of company internships.

Assessment Experience

Sanne Wøhlk has been in the assessment committee of three PhD theses:

- 2020: Rosario Paradiso. Optimizing inventory and distribution in supply chain management, University of Calabria.
- 2012: Karina Hjortshøj Kjeldsen: Routing and Scheduling in Liner Shipping, Aarhus University.
- 2011: Thomas Sejr Jensen: Application of Metaheuristics to Real-life Scheduling Problems, University of Southern Denmark.

Sanne Wøhlk has also been in assessment committee of several academic positions.

Educational Activities

Sanne Wøhlk has taught several courses at the Department of Organization and Management, University of Southern Denmark and at the Department of Business Studies, Aarhus School of Business, Aarhus University, which later became Department of Economics and Business, Aarhus University. Courses are taught at bachelor, masters, and PhD level. See teaching portfolio for details.

Competence Development

- 2021: Writing boot camp (WriteConcept.dk)
- 2020: Writing boot camp (WriteConcept.dk)
- 2019: Writing boot camp (WriteConcept.dk)
- 2018: Research leadership development program.
- 2013: GoOnline – course on blended learning
- 2012: Course on supervision of Master and PhD students as well as collegial supervision
- 2008: Course on supervision for assistant professors
- 2008: Short course, Creative Commons; indicating copyrights
- 2008: Short course on Screen casting as learning videos
- 2008: Short course on Web 2.0 and leaning styles
- 2007: Workshop on Danish laws and regulations
- 2006: Power Point in the class room
- 2006: Teaching large classes
- 2006: Course on teaching and learning in higher education programs

List of Publications

Monographs

1. Sanne Wøhlk: VBA Programming in Business Economics. DJØF Publishing, Copenhagen, 2010.
2. Sanne Wøhlk: Contributions to Arc Routing. PhD Dissertation. University of Southern Denmark. 2005.

Peer-Reviewed Scientific Journal Articles

1. José M. Belenguer, Maximiliano Cubillos, and Sanne Wøhlk: A branch-and-cut algorithm for a skip pick-up and delivery problem. *Computers & Operations Research* 168, 106705, 2024.
2. Chenge Wei, Ada Che, and Sanne Wøhlk: Reduced food waste through inventory control despite throwing out food before expiration: Online vs. offline retail. *Computers & Operations Research* 167, 106671, 2024
3. Jorrit Barto, Aysa Sena Eruguz, Remy Spliet, and Sanne Wøhlk: Reduced food waste through inventory control despite throwing out food before expiration: Online vs. offline retail. “*Omega*”, Vol 128, 103131, 2024.
4. Vera Fischer and Sanne Wøhlk: A logic-based Benders decomposition solution approach for two covering problems that consider the underlying transportation, *Computers & Operations Research*, Vol 160, 106393, 2023.
5. Maximiliano Cubillos, Remy Spliet, and Sanne Wøhlk: On the effect of using sensors and dynamic forecasts in inventory-routing problems, “*INFOR: Information Systems and Operational Research*”, Vol 20, No. 4, pp 473-490, 2022.
6. Shohre Zehtabian, Christian Larsen, and Sanne Wøhlk: Estimation of the arrival time of deliveries by occasional drivers in a crowd-shipping setting. “*European Journal of Operational Research*”, Vol 303, No. 2, pp 616-632, 2022.
7. Sanne Wøhlk and Gilbert Laporte: Transport of skips between recycling centers and treatment facilities. *Computers & Operations Research*, Vol 145, 105879, 2022.
8. Maximiliano Cubillos, Jesper Wulff, and Sanne Wøhlk: A bi-objective k-nearest-neighbors-based imputation method for multilevel data. “*Expert Systems with Applications*”, Vol. 204, 117298, 2022.
9. Maximiliano Cubillos, Jesper Wulff, and Sanne Wøhlk: A multilevel Bayesian framework for predicting municipal waste generation rates. “*Waste Management*”, Vol 127, pp 90-100. 2021.
10. Maximiliano Cubillos and Sanne Wøhlk: Solution of the maximal covering tour problem for locating recycling drop-off stations. “*Journal of the Operational Research society*”, Vol 72, No 8, 2021.
11. Sanne Wøhlk and Gilbert Laporte: A districting-based heuristic for the coordinated capacitated arc routing problem. “*Computers & Operations Research*”, Vol 111, pp 271-284, 2019.
12. Hani Zbib and Sanne Wøhlk: A comparison of the transport requirements of different curbside waste collection systems in Denmark. “*Waste Management*”, Vol 87, pp 21-32. 2019.

13. Sanne Wøhlk and Gilbert Laporte: A fast heuristic for large-scale capacitated arc routing problem. "Journal of the Operational Research society", Vol 69, No. 12 pp 1877-1887, 2018.
14. Lone Kiilerich and Sanne Wøhlk: New large-scale data instances for CARP and new variations of CARP. "INFOR: Information Systems and Operational Research", Vol 56, No. 1 pp 1-32, 2018.
15. Sanne Wøhlk and Gilbert Laporte: Computational Comparison of Several Greedy Algorithms for the Minimum Cost Perfect Matching Problem on Large Graphs. "Computers & Operations Research", Vol 87 pp 107-113, 2017.
16. Samira Mirzaei and Sanne Wøhlk: A Branch-and-Price Algorithm for Two Multi-Compartment Vehicle Routing Problems. "EURO Journal on Transportation and Logistics". Vol 6, No. 2 pp 185-218, 2017.
17. Lukas Bach, Jens Lysgaard, and Sanne Wøhlk: A Branch-and-Cut-and-Price Algorithm for the Mixed Capacitated General Routing Problem. "Networks", Vol 68, No. 3 pp 161-184, 2016.
18. Maria Elbek and Sanne Wøhlk: A Variable Neighborhood Search for the Multi-Period Collection of Recyclable Materials. "European Journal of Operational Research", Vol 249, No. 2 pp 540-550, 2016.
19. Lukas Bach, Michel Gendreau, and Sanne Wøhlk: Freight Railway Operator Timetabling and Engine Routing. "European Journal of Operational Research", Vol 241, No. 2 pp 309-319, 2015.
20. Morten Bie Bogh, Hardy Mikkelsen, and Sanne Wøhlk: Collection of recyclables from cubes – A case study. "Socio-Economic Planning Sciences", Vol 48, No. 2 pp 127-134. 2014.
21. Jens Lysgaard and Sanne Wøhlk: A branch-and-cut-and-price algorithm for the cumulative capacitated vehicle routing problem. "European Journal of Operational Research", Vol 236, No. 3 pp 800-810, 2014.
22. Lukas Bach, Geir Hasle, and Sanne Wøhlk: A Lower Bound for the Node, Edge, and Arc Routing Problem. "Computers & Operations Research", Vol 40, No. 4 pp 943-952, 2013.
23. Dan Black, Richard Eglese and Sanne Wøhlk: The time-dependent prize-collecting arc routing problem. "Computers & Operations Research", Vol 40, No. 2 pp 526-535, 2013.
24. Kim S. Larsen and Sanne Wøhlk: Competitive Analysis of the Online Inventory Problem. "European Journal of Operational Research", Vol 207, No. 2 pp 685-696, 2010.
25. Christian H. Christiansen, Jens Lysgaard, and Sanne Wøhlk: A Branch-and-Price Algorithm for the Capacitated Arc Routing Problem with Stochastic Demands. "Operations Research Letters", Vol 37, no. 6 pp 392-398, 2009.
26. Sanne Wøhlk: An Approximation algorithm for the Capacitated Arc Routing Problem. "The Open Operational Research Journal", vol 2, pp 8-12. 2008.
27. Joan Boyar, Leah Epstein, Lene M. Favrholdt, Jens S. Kohrt, Kim S. Larsen, Morten M Pedersen, and Sanne Wøhlk: The Maximum Resource Bin Packing Problem. "Theoretical Computer Science", vol 362, pp 127-139. 2006.
28. Sanne Wøhlk: New Lower Bound for the Capacitated Arc Routing Problem. "Computers & Operations Research", vol 33, pp 3458-3472. 2006.

Peer-Reviewed Book Chapters

1. Sanne Wøhlk: A Decade of Capacitated Arc Routing. In B. Golden, S.Raghavan, and E. Wasil (Eds.): *The Vehicle Routing Problem – Latest Advances and New Challenges*. pp 29-48. Springer. 2008.

Peer-Reviewed Conference Proceedings

1. Joan Boyar, Leah Epstein, Lene M. Favrhøldt, Jens S. Kohrt, Kim S. Larsen, Morten M Pedersen, and Sanne Wøhlk: The Maximum Resource Bin Packing Problem. In “Fifteenth International Symposium on Fundamentals of Computation Theory”, volume 3623 of *Lecture Notes in Computer Science*, pages 397-408. Springer, 2005.

Non Peer-Reviewed Scientific Articles

1. Sanne Wøhlk: Brug af sensorer og simple beslutningsregler – Forsøg i Gentofte, Technical report, Aarhus University, 2023.
2. Sanne Wøhlk: Tømning efter behov – Opskalering til hele Glostrup kommune. Technical report, Aarhus University. 2021.
3. Sanne Wøhlk: Analyse af transport of containere fra genbrugspladser. Technical report, Aarhus University. 2020.
4. Hani Zbib and Sanne Wøhlk: A Multi-Move Chain Descent Algorithm for Large-Scale Arc Routing Problems in Curbside Waste Collection. Chapter 3 in H. Zbib: *Topics in the optimization of waste collection systems*. PhD dissertation, Aarhus University, 2019.
5. Hani Zbib and Sanne Wøhlk: Clustering Techniques for Very Large-Scale Capacitated Arc Routing Problems in Curbside Collection of Waste. Chapter 4 in H. Zbib: *Topics in the optimization of waste collection systems*. PhD dissertation, Aarhus University, 2019.
6. Sanne Wøhlk and Hani Zbib: Curbside collection of waste: An analysis of different collection strategies: Technical report, Aarhus University. 2018.
7. Lone Kiilerich and Sanne Wøhlk: How Fair are Fair Allocations? Working paper, Aarhus University, Denmark. 2016.
8. Daniel Black, Richard Eglese, and Sanne Wøhlk: The Time-Dependent Multiple-Vehicle Prize-Collecting Arc Routing Problem. Working paper, Lancaster University. 2015.
9. Lukas Bach, Jens Lygaard, and Sanne Wøhlk: A Branch-and-Cut-and-Price Algorithm for the Mixed Capacitated General Routing Problem. Chapter 2 in L. Bach: *Routing and Scheduling Problems: Optimization using Exact and Heuristic Methods*. PhD dissertation, Aarhus University, 2014.
10. Lise Lystlund and Sanne Wøhlk: The Service-Time Restricted Capacitated Arc Routing Problem. Working paper. 2010.
11. Ellis L. Johnson and Sanne Wøhlk: Solving the Capacitated Arc Routing Problem with Time Windows using Column Generation. Aarhus School of Business, Aarhus University, Department of Business Studies, 2009. (CORAL working paper series; L-2008-09).
12. Sanne Wøhlk: Combining Dynamic Programming and Simulated Annealing. University of southern Denmark, 2004. (imada preprint series; IMADA-PP-2004-04).

13. Sanne Wøhlk: Simulated annealing for the Capacitated Arc Routing Problem, Using an Online Formulation. University of southern Denmark, 2003. (imada preprint series; IMADA-PP-2003-19)

Other

1. Sanne Wøhlk: Analyse af forskellige strategier for affaldsindsamling – et eksempel på brug af OR i den offentlige sektor. ”ORbit”, vol 30 pp 20-23. 2018.
2. Sanne Wøhlk: A Comparison of Different Curbside Waste Collection Systems : Presentation from the 29th European Conference on Operational Research in the session “Making an Impact”. Video. <https://vimeo.com/286845346/dd3cf38781>
3. Sanne Wøhlk: Rutelægning via matematisk dekomponering. Video presentation, “ASBCast”. <http://asbcast.dk/cast/rutelægning-via-matematisk-dekomponering/>. 2009.
4. Sanne Wøhlk: Lower Bounds. Video presentation, “ASBCast”. <http://asbcast.dk/cast/lower-bounds/>. 2009.
5. Lasse Skaksen and Sanne Wøhlk: OR er også for små virksomheder. ”ORbit”, vol 15 pp 24-28. 2009.
6. Andreas Sten Hansen and Sanne Wøhlk: Om effektivitetsmåling af kommunernes affaldsindsamling og om vigtigheden af data. ”ORbit”, vol 25 pp 28-31. 2015.

Press Releases about my Research in Danish Media

1. Algoritmer sikrer smart indsamling af affald, by Anders Poulsen (Kolding Kommune), Teknik & Miljø, Magasin udgivet af KTC, April 2016.
2. Reno Djurs med i stort affaldsprojekt, by Tommy Loberg Løns, Aarhus Stiftstidende and Randers Amtsavis, January 2016
3. Ny forskning skal sikre kloge affaldsruter, by Lærke Cecilie Lindegård, dknyt.dk, December 2015.
4. Bedre planlægning kan skære 1/5 af udgifterne til indsamling af glas og papir, by Lena Fels, Videnskab.dk, November 2015.

Appendix: Detailed List of Supervision Activities

PhD Theses

1. 2023: Shohre Zehtabian: Service Quality, Consistency, and Equity in Select Vehicle Routing Problems.
2. 2022: Maximiliano Cubillos: Optimization and Data Analytics in Waste Management.
3. 2019. Lone Küllerich Christensen: Decision Problems Related to Fleet Composition and Routing. Partially financed by FSE Project 4182-00021.
4. 2019. Hani Zbib: Topics in the optimization of waste collection systems. Partially financed by FSE Project 4182-00021.
5. 2018. Maria Elbek: Modeling and Optimization of collection Problems.
6. 2016. Samira Mirzaei: Optimization Algorithms for Multi-Commodity Routing and Inventory Routing Problems.
7. 2013. Lukas Bach: Routing and Scheduling Problems – Optimization using Exact and Heuristic Methods

Currently supervising the following PhD students

1. Jahir Desaily Llagas Ortega
2. Alexander Ingemann Lindhardt
3. Darius Marlin Arbabha

Master Theses

1. 2024. Vanda Klcová: Warehouse Network Re-Design at Vestas. MSc OSCA.
2. 2024. Cecilie Armose Jensen: Ruteoptimering med implementering af elektriske lastbiler ved REMA 1000. MSc OSCA.
3. 2024. Camilla Østergaard Enevoldsen: Enhance Order Picking Efficiency: Storage Assignment Policies and Layout Designs. MSc OSCA.
4. 2024. Andreas Christian Winther Dirac: CO₂- og- omkostningsreducerende flådestyring. MSc OSCA.
5. 2024 Matias Faubye Justesen: xx. Cand. Scient. Oecon.
6. 2023 Sophie Dresxher Holting: Collection of waste at summer residences in Djursland. MSc OSCA.
7. 2021. Kenneth M. B. Thomsen: Hybrid make to order or make to stock. MSc LOG.
8. 2021. Kirsten Marie Ravn: Normal – Vareallokering på internt lager. MSc OSCA.
9. 2021. Andreas Boutrup Meier and Mikkel Alsted Horshauge: Forecasting at Danish Crown. MSc OSCA.
10. 2021. Stine Staal Axelsen and Thomas Kring: Optimering af vareallokeringen på Salling Groups lager for online dagligvarer. MSc OSCA.
11. 2021. Daniel Ekkelund Jensen: Six Sigma Process Improvement at BEUMER Group. MSc OSCA.
12. 2020 Johan Arendal Jørgensen: En 3-fase Model til Løsning af Round- Robin Turneringsplanlægning. Cand. Scient. Oecon.
13. 2020. Maiken Bébe Ambæk Laursen: Staff scheduling at the security department in Copenhagen airport. Cand. Scient. Oecon.
14. 2020. Pernille Lundhus Sørensen: Route Planning of skip transportation using simulated annealing. Cand. Scient. Oecon.
15. 2020. Mathilde Putman and Sofie Østergaard Jensen: Optimering ad godsflow mellem porte på en terminal. MSc LOG.
16. 2020. Olga Evgenieva Mangurova: The Bintel Problem. MSc LOG.
17. 2020. Line Thomsen and Emma Toft Tang: Optimering af rankestyring i forsendelsesområdet på Salling groups lager i Holme. MSc LOG.
18. 2019. Simon Morsing: simulation modelling and sensitivity analysis of the supply chain of MHI Vestas Offshore Wind. MSc. LOG.
19. 2018. Nicolaj Spande Poulsen and Nichlas Topholt: Plukruteoptimering til Columbus' lagerstyringssystem. MSc. LOG.
20. 2018. Jeppe Aagaard Rasmussen and Oliver Duval Rose: Optimizing the picking process used for the click-and-collect concept bilkaToGo. MSc. LOG.
21. 2018. Anders Jeppesen: Effekten af sensorer i Vendor Managed Inventory. MSc. LOG.

22. 2018. Bjørk Bech Mikkelsen and Simon Djernes Madsen: Rutelægning på pluklagre. MSc. LOG.
23. 2017. Simon Svith Andersen: Dag til dag optimering af ruteplanlægning ved distributionscenteret i Slagelse - Casestudie ved Arla Foods. MSc. LOG.
24. 2017. Mette Tikær Brock and Sofie Moltke Klit: Route planning of container transportation for Waste Collection Companies using Tabu Search. MSc. LOG.
25. 2017. Anders Bjørn Bay-Smidt og Michael Moldrup Mikkelsen: Optimering af Saint-Gobain Distribution Denmark's terminalstruktur. MSc. LOG.
26. 2016. Niels Hald Kristoffersen: Analysis of potential 'paper' waste collection, through optimization of the geographical positioning of public paper waste containers. MSc. LOG.
27. 2016. Janni Albers Christensen and Marianne Thomsen: Optimering af den daglige Planlægning af Less-than-containerload transport. MSc. LOG.
28. 2016. Rasmus Fuglsang Ambrosen: Optimization of Recycling station Location. MSc. LOG.
29. 2015. Kim Skov Rasmussen: The Service-Time Restricted Capacitated Arc Routing Problem: Theoretical Study. MSc LOG.
30. 2015. Mads Ellegaard og Christoffer Hess Christensen: Optimering af oste mejeriernes omkostninger ifm. Valle produktion ved yderligere opkoncentrering lokalt på mejerierne. Case Study: Arla Foods A/S. MSc LOG.
31. 2015. Lone Kiilerich Christensen: Fair Division of Capacitated Resources. Cand. Scient. Oecon.
32. 2015. Søren Aabling: Analyse af transportomkostningerne i indsamlingsprocessen for fraktioneret dagrenovation. MSc LOG.
33. 2015. Kasper Hovgaard Larsen: Synchronization of vehicles in a waste collection network. MSc LOG.
34. 2015. Andreas Sten Hansen: DEA analyse af Kommunernes produktivitet på husholdningsaffaldsområdet. MSc LOG.
35. 2014. Anders Sperring Ravn: Heuristisk optimering af tømningstrategi i forbindelse med indsamling af papir og emballage i Odder- og Skanderborg Kommune. MSc LOG.
36. 2014. Elisabeth Carstensen: Optimering af transportomkostningerne ved ændring i tømningstrategi for Reno Djurs I/S - med fokus på indsamling af restaffald fra helårsboliger. MSc LOG.
37. 2014. Louise Frydkjær and Maria Frank Christensen : Ruteplanlægning af transporten mellem genbrugsstationer og modtageanlæg ved en Tabu Search og Simulated Annealing Hybrid. Case Study: Reno Djurs. MSc LOG.
38. 2014. Malene Louise Lesemann and Katrine Sørensen: Analyse af transportomkostninger ved indsamling af kildesorteret organisk affald og restaffald ved anvendelse af et enkelt- og dobbeltkammersystem: Case Studie: Reno Djurs. MSc LOG.

39. 2014. Michael Bastkjær Thomsen : Effekt på ruteplanlægning ved skift til tvungen 14-dagsindsamling hos Reno Djurs. MSc LOG.
40. 2013. Rasmus Bech: Analyse af distributionsstruktur ud fra et facility location-perspektiv. MSc LOG.
41. 2013. Mia Ellegaard: Optimering af transportomkostningerne ved reducere af mulige tømningsskemaer for sommerhuse. MSc LOG.
42. 2013. Mattias Thalund Eriksen: Optimeret rutelægning på baggrund af affaldsindsamling for Reno Djurs I/S: Heuristisk konstruktion af ruter for husstandsindsamlingen af Papir/karton og Ressourcemateriale, med henblik på valg af ny dagrenovationsordning. MSc LOG.
43. 2013. Morten Kofod and Frank Bjerregaard Nielsen : Sammenligning af indsamlingsomkostninger for to scenarier ved indsamling af ressourcefraktioner: Case Study: Reno Djurs. MSc LOG.
44. 2013. Andreas Nielsen and Anders Thomsen: Design af en Matheuristic til Capacitated Arc Routing Problem. MSc LOG.
45. 2013. Jesper Lervad Pedersen and Kenneth Bach Villadsen: Undersøgelse af de økonomiske konsekvenser ved parallel indsamling af organisk og restaffald samt obligatorisk 14-dages tømning. MSc LOG.
46. 2012. Maria Elbek Andersen: Optimering af indsamling af genbrugsmaterialer med begrænset kapacitet. Cand. Scient. Oecon.
47. 2012. Bjarke Bitsch: Inventory Routing with Stochastic Demand. MSc. LOG.
48. 2012. Morten Bie Bøgh: Optimering af tømningsskemaer for Reno Djurs I/S - Heuristisk optimering af tømningsskemaer ved indsamling af glas og papir til genbrug som fundament for udvikling af ny betalingsstruktur af ekstern entreprenør. MSc LOG.
49. 2012: Karen Kofod Eskildsen and Thea Sjøgren Weiss Andersen: Optimering af transportomkostningerne ved hjælp af sensorbaseret ruteplanlægning til tømning af glas og papir kuber. MSc LOG.
50. 2012. Kristine Schnoor: Recycle Container Routing for Reno Djurs Using Tabu Search Within variable Neighborhood Decent. MSc. LOG.
51. 2010. Anders Kastberg and Lukas Bach: Strategic capacity planning at DB Schenker Rail Scandinavia A/S. MSc. LOG.
52. 2009. Mads Horn and Lars Provstgaard: Analyse af Mascot International A/S' supply chain – med henblik på optimering af leveringssikkerheden. MSc. LOG.

53. 2009. Kasper Thomsen and Tommy Høy: A framework for long-term capacity management in global production networks – A case study in Vestas Control systems. MSc. LOG.
54. 2005. Sanne Villekjær: Berth allocation Problem. Litteraturgennemgang, matematiske formuleringer samt implementering af allokeringsregler. Cand. Scient. Oecon. (Co-supervisor)

Bachelor Theses

1. 2024. Laura Brostrup Larsen and Sofie Bang Bossen: Optimering af SiloInsite hos Danish Agro. BSc.
2. 2021. Anders Dyhrberg Sommer and Rasmus Serup Eriksen: Six Sigma procesanalyse af Berry Superfos. BSc.
3. 2021. Elisabeth Faber Jensen and Sophie Drescher Holting: Indsamling af storskrald i Aarhus Kommune. BSc.
4. 2019. Kasper Aarup Pedersen: Analyse af processor hos JSB Global A/S. BSc.
5. 2014. Marianne Thomsen: Ruteplanlægning af slutdistribution til Aarstidernes kunder. BSc.
6. 2013. Mike Weisbjerg: Analyse og forslag til forbedringer af arbejdsgange i forbindelse med tømningmønstre ved Reno Djurs I/S. BSc.
7. 2012. Louise Frydkjær: Optimering af distribution hos Rygaard Transport & Logistik. BSc.
8. 2012. Michael Enggaard Skovsen: Analyse af DFDS internationale multimodale trafik. BSc.
9. 2011. Dajana Bojanic: Analyse af tømningmønstre for genbrugscontainere. BSc.
10. 2009. Katja Simonsen: Real-time reservationssystemer. BSc.
11. 2009. Lasse Tvergård Skaksen: Optimizing the wood packing production at KL Byg. BScB/IM.
12. 2008. Sandra Busk Petersen and Christoffer Friis Junge: Skemalægning for en gymnasieårgangs grundforløb. BSc.
13. 2008. Morten Sehested and Simon Ravnsbæk: Lagerteori med fokus på virksomheden Hammershøj Teglværks indkøb af mangan. BSc.
14. 2007. Sine Markussen and Merete Budde: Personaleplanlægning - Statoil i Tilst. BSc.
15. 2007. Martin B. Sørensen and Kim Petersen: Logistik og lagerstyring hos Elap A/S. BSc.
16. 2003. Sanne Villekjær: Genetisk Algoritme anvendt på TSP. BSc. Scient. Oecon. (Co-supervisor)

Research Internships

1. 2011. Lise Bach Lystlund: Udvidelse af Capacitated Arc Routing Problemet – Capacitated Arc Routing Problem with Time Windows Restricted by Service Time. Research internship.

2. 2009. Jesper Halvorsen: Routing Problem Survey. Research internship.