A fix-and-optimize matheuristic for university timetabling
Publication: Research - peer-review › Journal article – Annual report year: 2018

A flow-first route-next heuristic for liner shipping network design
Publication: Research - peer-review › Journal article – Annual report year: 2018

A framework for dynamic rescheduling problems
Publication: Research - peer-review › Journal article – Annual report year: 2018

A hybrid approach for biobjective optimization
Publication: Research - peer-review › Journal article – Annual report year: 2018

A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem
Publication: Research - peer-review › Journal article – Annual report year: 2018

A matheuristic for transfer synchronization through integrated timetabling and vehicle scheduling
Publication: Research - peer-review › Journal article – Annual report year: 2018

A Strategic View of University Timetabling
Lindahl, M., Mason, A., Stidsen, T. J. R. & Sørensen, M. 2018 In : European Journal of Operational Research. 266, 1, p. 35-45
Publication: Research - peer-review › Journal article – Annual report year: 2018

A Survey on Robustness in Railway Planning
Publication: Research - peer-review › Journal article – Annual report year: 2018

Benders’ Decomposition for Curriculum-Based Course Timetabling
Publication: Research - peer-review › Journal article – Annual report year: 2018

Centralised horizontal cooperation and profit sharing in a shipping pool
Publication: Research - peer-review › Journal article – Annual report year: 2018

Dantzig-Wolfe Decomposition of the Daily Course Pattern Formulation for Curriculum-Based Course Timetabling
Publication: Research - peer-review › Journal article – Annual report year: 2018
Electric bus fleet size and mix problem with optimization of charging infrastructure
Publication: Research - peer-review › Journal article – Annual report year: 2018

Flexible ship loading problem with transfer vehicle assignment and scheduling
Iris, Ç., Christensen, J., Pacino, D. & Røpke, S. 2018 In : Transportation Research. Part B: Methodological. 111, p. 113-134
Publication: Research - peer-review › Journal article – Annual report year: 2018

Mixed Integer Linear Programming for new trends in wind farm cable routing
Fischetti, M. & Pisinger, D. 2018 In : Electronic Notes in Discrete Mathematics. 64, p. 115-124
Publication: Research - peer-review › Journal article – Annual report year: 2018

On the Impact of Considering Power Losses in Offshore Wind Farm Cable Routing
Publication: Research - peer-review › Article in proceedings – Annual report year: 2018

Optimal wind farm cable routing: Modeling branches and offshore transformer modules
Publication: Research - peer-review › Journal article – Annual report year: 2018

Planning and scheduling operating rooms for elective and emergency surgeries with uncertain duration
Publication: Research - peer-review › Journal article – Annual report year: 2018

Simultaneous Optimization of Container Ship Sailing Speed and Container Routing with Transit Time Restrictions
Publication: Research - peer-review › Journal article – Annual report year: 2018

The impact of socioeconomic and behavioural factors for purchasing energy efficient household appliances: A case study for Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2018

Tramp ship routing and scheduling with voyage separation requirements
Larsen, J., Lusby, R. M. & Vilhelmsen, C. 2018
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

A Branch-and-Price algorithm for railway rolling stock rescheduling
Publication: Research - peer-review › Journal article – Annual report year: 2017

A Branch-and-Price Approach to the Feeder Network Design Problem
Publication: Research - peer-review › Journal article – Annual report year: 2017
A dynamic programming approach for optimizing train speed profiles with speed restrictions and passage points
Publication: Research - peer-review › Journal article – Annual report year: 2017

A matheuristic approach for solving the Integrated Timetabling and Vehicle Scheduling Problem
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

A multiple ship routing and speed optimization problem under time, cost and environmental objectives
Publication: Research - peer-review › Journal article – Annual report year: 2017

Bin-packing problems with load balancing and stability constraints
Trivella, A. & Pisinger, D. 2017
Publication: Research - peer-review › Paper – Annual report year: 2017

Competitive Liner Shipping Network Design
Publication: Research - peer-review › Journal article – Annual report year: 2017

Considering passenger and operator inconvenience in the scheduling of large railway projects
Publication: Research - peer-review › Journal article – Annual report year: 2017

Consumer’s Attitude Towards Investments in Residential Energy-Efficient Appliances: How End-User Choices Contribute to Change Future Energy Systems
Publication: Research › Article in proceedings – Annual report year: 2017

Flow Formulations for Curriculum-based Course Timetabling
Publication: Research - peer-review › Report – Annual report year: 2017

Improved formulations and an Adaptive Large Neighborhood Search heuristic for the integrated berth allocation and quay crane assignment problem
Iris, C., Pacino, D. & Røpke, S. 2017 In : Transportation Research. Part E: Logistics and Transportation Review. 105, p. 123-147
Publication: Research - peer-review › Journal article – Annual report year: 2017

Integer programming techniques for educational timetabling
Publication: Research - peer-review › Journal article – Annual report year: 2017

Integrated Rolling Stock Planning for Suburban Passenger Railways
Publication: Research › Ph.D. thesis – Annual report year: 2017

Improving robust timetabling in line plan optimization for railway systems
Publication: Research - peer-review › Journal article – Annual report year: 2017
Mathematical Programming Approaches for Optimal University Timetabling
Bagger, N-C. F., Stidsen, T. J. R. & Sørensen, M. 2017 Department of Management Engineering, Technical University of Denmark. 191 p.
Publication: Research › Ph.D. thesis – Annual report year: 2017

Mobilitetspotentiale for Aarhus Letbane
Publication: Research - peer-review › Report – Annual report year: 2017

Models and Methods for the Design and Support of Liner Shipping Networks
Publication: Research › Ph.D. thesis – Annual report year: 2018

On the Impact of using Mixed Integer Programming Techniques on Real-world Offshore Wind Parks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Optimization in liner shipping
Publication: Research - peer-review › Journal article – Annual report year: 2017

Optimization of hospital ward resources with patient relocation using Markov chain modeling
Publication: Research - peer-review › Journal article – Annual report year: 2017

Railway capacity and expansion analysis using time discretized paths
Publication: Research - peer-review › Journal article – Annual report year: 2017

Scheduling EURO-k Conferences
Publication: Research - peer-review › Journal article – Annual report year: 2017

Solving the pre-marshalling problem to optimality with A* and IDA*
Tierney, K., Pacino, D. & Voß, S. 2017 In: Flexible Services and Manufacturing Journal. 29, 2, p. 223-259
Publication: Research - peer-review › Journal article – Annual report year: 2017

Strategic, Tactical and Operational University Timetabling
Publication: Research › Ph.D. thesis – Annual report year: 2017

The liquefied natural gas infrastructure and tanker fleet sizing problem
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Recharging Infrastructure Needs for Long Distance Travel by Electric Vehicles: A Comparison of Battery-Switching and Quick-Charging Stations
Publication: Research - peer-review › Book chapter – Annual report year: 2017
Time constrained liner shipping network design
Publication: Research - peer-review › Journal article – Annual report year: 2017

Tolerance analysis for 0–1 knapsack problems
Publication: Research - peer-review › Journal article – Annual report year: 2017

Tramp ship routing and scheduling with voyage separation requirements
Publication: Research - peer-review › Journal article – Annual report year: 2017

Tramp ship routing and scheduling with voyage separation requirements
Larsen, J., Lusby, R. M. & Vilhelmsen, C. 2017
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Using OR + AI to Predict the Optimal Production of Offshore Wind Parks: A Preliminary Study
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Exact and Heuristic Methods for Integrated Container Terminal Problems
Publication: Research › Ph.D. thesis – Annual report year: 2017

Inter-array cable routing optimization for big wind parks with obstacles
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Planning of Midwives
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

A Branch and Cut algorithm for the container shipping network design problem
Publication: Research - peer-review › Journal article – Annual report year: 2011

A column generation-based heuristic for rostering with work patterns
Publication: Research - peer-review › Journal article – Annual report year: 2011

Pricing and Capacity Planning Problems in Energy Transmission Networks
Publication: Research › Ph.D. thesis – Annual report year: 2011

Cutting Planes for Branch-and-Price Algorithms
Desaulniers, G., Desrosiers, J. & Spoorendonk, S. Nov 2011 In : Networks. 58, 4, p. 301-310
Publication: Research - peer-review › Journal article – Annual report year: 2011

Publication: Research › Ph.D. thesis – Annual report year: 2011
Optimisation-Based Solution Methods for Set Partitioning Models
Publication: Research › Ph.D. thesis – Annual report year: 2011

Routing and scheduling problems
Publication: Research › Ph.D. thesis – Annual report year: 2011

Robust long-term production planning
Publication: Research › Ph.D. thesis – Annual report year: 2011

Modelling and Analysis of Distributed Energy Systems with Respect to Sustainable Energy: Focus on Electric Drive Vehicles
Publication: Research › Ph.D. thesis – Annual report year: 2011

Shortest Paths and Vehicle Routing
Publication: Research › Ph.D. thesis – Annual report year: 2011

A multilevel variable neighborhood search heuristic for a practical vehicle routing and driver scheduling problem
Publication: Research - peer-review › Journal article – Annual report year: 2011

A Multi-mode RCPSP with Stochastic Nonrenewable Resource Consumption
Publication: Research › Report – Annual report year: 2011

An Adaptive Large Neighborhood Search Algorithm for the Multi-mode RCPSP
Publication: Research › Report – Annual report year: 2011

An IP Framework for the Crew Pairing Problem Using Subsequence Generation
Publication: Research › Report – Annual report year: 2011

A path based model for a green liner shipping network design problem
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Column Generation for Transmission Switching of Electricity Networks with Unit Commitment
Villumsen, J. C. & Philpott, A. B. 2011 In : Lecture Notes in Engineering and Computer Science. 2189, p. 1440-1443
Publication: Research - peer-review › Journal article – Annual report year: 2011

Elective course planning
Publication: Research - peer-review › Journal article – Annual report year: 2011
Fleet deployment, network design and hub location of liner shipping companies
Publication: Research - peer-review › Journal article – Annual report year: 2011

Hub location problems in transportation networks
Gelareh, S. & Nickel, S. 2011 In : Transportation Research. Part E: Logistics and Transportation Review. 47, 6, p. 1092-1111
Publication: Research - peer-review › Journal article – Annual report year: 2011

Improved exact method for the double TSP with multiple stacks
Lusby, R. M. & Larsen, J. 2011 In : Networks. 58, 4, p. 290-300
Publication: Research - peer-review › Journal article – Annual report year: 2011

Integrated Disruption Management and Flight Planning to Trade off Delays and Fuel Burn
Publication: Research › Report – Annual report year: 2011

Investment in Electricity Networks with Transmission Switching
Publication: Research › Report – Annual report year: 2011

Liner Shipping Cargo Allocation with Repositioning of Empty Containers
Publication: Research - peer-review › Journal article – Annual report year: 2011

Locating a general minisum 'circle' on a plane
Publication: Research - peer-review › Journal article – Annual report year: 2011

Long-term home care scheduling
Publication: Research › Report – Annual report year: 2011

Modelling Zonal Pricing Design under Uncertainty in Electricity Markets
Publication: Research › Report – Annual report year: 2011

Models for the discrete berth allocation problem: A computational comparison
Publication: Research - peer-review › Journal article – Annual report year: 2011

Multi-Objective and Multi-Constrained Non-Additive Shortest Path Problems
Publication: Research - peer-review › Journal article – Annual report year: 2011

Optimal Wafer Cutting in Shuttle Layout Problems
Publication: Research - peer-review › Journal article – Annual report year: 2010

Railway Track Allocation: Models and Methods
Publication: Research - peer-review › Journal article – Annual report year: 2010
Routing trains through railway junctions: A new set-packing approach
Publication: Research - peer-review › Journal article – Annual report year: 2011

Separation and extension of cover inequalities for second-order conic knapsack constraints with GUBs
Publication: Research › Report – Annual report year: 2011

Solving a Vehicle Routing Problem with a non-linear load dependant cost function
Spoorendonk, S., Larsen, A., Pisinger, D. & Repke, S. 2011
Publication: Research › Conference abstract for conference – Annual report year: 2011

Subsequence Generation for the Airline Crew Pairing Problem
Publication: Research › Report – Annual report year: 2011

The vehicle routing problem with edge set costs
Publication: Research › Report – Annual report year: 2011

The vehicle routing problem with time windows and temporal dependencies
Dohn, A. H., Rasmussen, M. S. & Larsen, J. 2011 In : Networks. 58, 4, p. 273-289
Publication: Research - peer-review › Journal article – Annual report year: 2011

Train shunting at a workshop area
Publication: Research - peer-review › Journal article – Annual report year: 2011

Airport Ground Staff Scheduling
Publication: Research › Ph.D. thesis – Annual report year: 2011

Rostering and Task Scheduling: Applications in Manpower Planning
Publication: Research › Ph.D. thesis – Annual report year: 2010

Scheduling Network Traffic for Grid Purposes
Publication: Research › Ph.D. thesis – Annual report year: 2010

Service Network Design and Management in Linear Container Shipping Applications
Publication: Research › Ph.D. thesis – Annual report year: 2010

Rich Vehicle Routing Problems and Applications
Publication: Research › Ph.D. thesis – Annual report year: 2010

Clique inequalities applied to the vehicle routing problem with time windows
A Branch-and-Cut Algorithm for Elementary Shortest Path Problem with Resource Constraints
Jepsen, M. K., Petersen, B. & Spoorendonk, S. 2010

A Branch and Cut algorithm for the container shipping network design problem

A Dynamic Programming-Based Heuristic for the Shift Design Problem in Airport Ground Handling

A Generic Solution Approach to Nurse Rostering

A Greedy Construction Heuristic for the Liner Service Network Design Problem
Brouer, B. D. 2010

A Greedy Construction Heuristic for the Liner Shipping Network Design Problem
Løfstedt, B. 2010

A hybrid adaptive large neighborhood search algorithm applied to a lot-sizing problem

Algoritmerne klarer planlægningen
Spoorendonk, S. 2010

Analysis of internal network requirements for the distributed Nordic Tier-1

A new formulation for the 2-echelon capacitated vehicle routing problem
Jepsen, M. K., Røpke, S. & Spoorendonk, S. 2010

An Exact Method for the Double TSP with Multiple Stacks

An integer programming model and benchmark suite for liner shipping network design
An Integrated Approach to the Ground Crew Rostering Problem with Work Patterns

A Rule-Based Local Search Algorithm for General Shift Design Problems in Airport Ground Handling

A solution approach to the ROADEF/EURO 2010 challenge based on Benders' Decomposition

Capacity efficiency of recovery request bundling

Cutting in branch-and-cut-and-price algorithms
Spoorendonk, S., Desaulniers, G. & Desrosiers, J. 2010

Disruption Management - Foreword

Disruption management in the airline industry - Concepts, models and methods

Dynamic Routing of Short Transfer Baggage

Brimberg, J., Juel, H. & Schöbel, A. 2010 In : Discrete Applied Mathematics. 158, 18

Evaluating the efficiency of shortcut span protection

Geometric fit of a point set by generalized circles

Greedy and metaheuristics for the offline scheduling problem in grid computing
Hierachical Two-Layer Ring Network Design
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2010

Integrating job scheduling and constrained network routing
Gamst, M. 2010 In : Electronic Notes in Discrete Mathematics. 36, p. 57-64
Publication: Research - peer-review » Journal article – Annual report year: 2010

Integrating job scheduling and network routing
Gamst, M. 2010 International Symposium on Combinatorial Optimization. (Electronic Notes on Discrete Mathematics (ENDM)).
Publication: Research - peer-review » Article in proceedings – Annual report year: 2010

Interactive Cost Configuration Over Decision Diagrams
Andersen, H. R., Hadzic, T. & Pisinger, D. 2010 In : Journal of Artificial Intelligence Research. 37, p. 99-139
Publication: Research - peer-review » Journal article – Annual report year: 2010

Large Neighborhood Search
Publication: Research - peer-review » Book chapter – Annual report year: 2010

Liner shipping hub network design in a competitive environment
Publication: Research - peer-review » Journal article – Annual report year: 2010

Liner Shipping Hub Network Design in a Competitive Environment
Publication: Research » Report – Annual report year: 2010

Logistics in Supply Chains (Part 1)
Publication: Research - peer-review » Journal article – Annual report year: 2010

LP Duality and KKT Conditions for LP
Publication: Research - peer-review » Book chapter – Annual report year: 2010

Multi-dimensional Bin Packing Problems with Guillotine Constraints
Publication: Research - peer-review » Journal article – Annual report year: 2010

Network Survivability: End-to-End Recovery Using Local Failure Information
Publication: Research - peer-review » Book chapter – Annual report year: 2010

On the Integrated Job Scheduling and Constrained Network Routing Problem
Publication: Research » Report – Annual report year: 2010
A general framework for branch-and-cut-and-price
Desrosiers, J., Desaulniers, G. & Spoorendonk, S. 2009
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

A multi-level variable neighborhood search heuristic for a practical vehicle routing and driver scheduling problem
Publication: Research › Report – Annual report year: 2009

An Adaptive Large Neighborhood Search Algorithm for the Resource-constrained Project Scheduling Problem
Publication: Research › Article in proceedings – Annual report year: 2009

Analysis of internal network requirements for the distributed Nordic Tier-1
Kleist, J., Behrmann, G., Fischer, L., Gamst, M. & Grønager, M. 2009
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

An Exact Method for the Double TSP with Multiple Stacks
Publication: Research - peer-review › Report – Annual report year: 2009

An Exact Solution Approach for the Maximum Multicommodity K-splittable Flow Problem
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

A Practical Branch and Price Approach to the Crew Scheduling Problem with Time Windows
Hansen, A. D. & Kolind, E. 2009 In : ORbit : medlemsblad for Dansk Selskab for Operationsanalyse . 14, p. 4
Publication: Communication › Journal article – Annual report year: 2009

A Set Packing Inspired Method for Real-Time Junction Train Routing
Publication: Research › Report – Annual report year: 2009

A Survey of the Routing and Wavelength Assignment Problem
Publication: Research › Report – Annual report year: 2009

A Unified Modeling and Solution Framework for Pre-Planned Protection in Survivable WDM Networks
Publication: Research - peer-review › Journal article – Annual report year: 2009

Clique inequalities applied to the vehicle routing problem with time windows
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Customised Column Generation for Rostering Problems: Using Compile-time Customisation to create a Flexible C++ Engine for Staff Rostering
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009
Cutting in Branch-and-cut-and-price Algorithms
Spoorendonk, S., Desaulniers, G. & Desrosiers, J. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009

Cutting on the set partitioning formulation of the vehicle routing problem with time windows
Spoorendonk, S. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009

Cutting Planes for Branch-and-Price Algorithms
Publication: Research › Report – Annual report year: 2009

Disruption Management in Passenger Railway Transportation
Publication: Research - peer-review › Book chapter – Annual report year: 2009

ENERPLAN - Green Logistics Solutions
Pisinger, D. 2009 In : ORbit : medlemsblad for Dansk Selskab for Operationsanalyse 15, p. 30-31
Publication: Research › Journal article – Annual report year: 2009

General minisum circle location
Publication: Research › Article in proceedings – Annual report year: 2009

Locating a circle on the plane using the minimax criterion
Publication: Research - peer-review › Journal article – Annual report year: 2009

Locating a minisum circle in the plane
Publication: Research - peer-review › Journal article – Annual report year: 2009

Marginal revenue transformation in airline seat inventory control with two fare families and two markets
Kallehauge, B. 2009
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

Models for the Discrete Berth Allocation Problem: A Computational Comparison
Publication: Research › Report – Annual report year: 2009

Multi-Objective and Multi-Constrained Non-Additive Shortest Path Problems
Publication: Research › Report – Annual report year: 2009

Operationsanalyse - the science of the better
Publication: Education - peer-review › Book chapter – Annual report year: 2009
Partial path column generation for the elementary shortest path problem with resource constraints
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Partial Path Column Generation for the ESPPRC
Jepsen, M. K. & Petersen, B. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009

Partial Path Column Generation for the Vehicle Routing Problem
Publication: Research › Report – Annual report year: 2009

Partial path column generation for the vehicle routing problem with time windows
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Railway Track Allocation: Models and Methods
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Rolling Stock Recovery Problem
Publication: Research › Report – Annual report year: 2009

Solving the Airline Crew Pairing Problem using Subsequence Generation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Solving the Turbine Positioning Problem for Large Offshore Wind Farms by Simulated Annealing
Publication: Research - peer-review › Journal article – Annual report year: 2009

Sporbarheden kan give værdivækst
Publication: Communication › Journal article – Annual report year: 2009

The Danish fishing industry - towards supply chain modelling
Publication: Research › Conference abstract in proceedings – Annual report year: 2009

The Dynamic Multi-Period Vehicle Routing Problem
Publication: Research - peer-review › Report – Annual report year: 2009

The fishing industry - toward supply chain modelling
Publication: Research › Report – Annual report year: 2009

The Home Care Crew Scheduling Problem
Rasmussen, M. S. & Justesen, T. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009
Label Space Reduction in MPLS Networks: How Much Can A Single Stacked Label Do?
Publication: Research - peer-review › Journal article – Annual report year: 2008

Limitations in Production and Stocks and their Effect on the Profitability of the Slaughterhouses
Publication: Research › Report – Annual report year: 2008

Optimizing Manpower Allocation for Ground Handling Tasks in Airports using Column Generation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Technical Report: Optimizing the Slab Yard Planning and Crane Scheduling Problem using a Two-Stage Approach
Hansen, A. D. & Clausen, J. 2008
Publication: Research - peer-review › Report – Annual report year: 2008

The Home Care Crew Scheduling Problem
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

The Home Care Crew Scheduling Problem
Publication: Communication › Journal article – Annual report year: 2008

The Simultaneous Vehicle Scheduling and Passenger Service Problem
Publication: Research › Report – Annual report year: 2008

The Value of a General Increase in Slaughter Weight for Pigs
Publication: Research › Report – Annual report year: 2008

The Value of Improved Measurements in a Pig Slaughterhouse
Publication: Research › Report – Annual report year: 2008

Decision Support System for Fighter Pilots
Publication: Research › Ph.D. thesis – Annual report year: 2007

Applied Railway Optimization in Production Planning at DSB-S-tog - Tasks, Tools and Challenges
Disruption Management in Passenger Transportation - from Air to Tracks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

The Manpower Allocation Problem with Time Windows and Job-Teaming Constraints
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Hansen, A. D., Kolind, E. & Clausen, J. 2007 Informatics and Mathematical Modelling, Technical University of Denmark, DTU.
Publication: Research - peer-review › Report – Annual report year: 2007

Risk Assessments of Minefields in Humanitarian Mine Action - a Bayesian Approach
Publication: Research › Ph.D. thesis – Annual report year: 2006

Risk and investment management in liberalized electricity markets
Lemming, J. K., Clausen, J., Morthorst, P. E. & Ravn, H. V. Feb 2005
Publication: Research › Ph.D. thesis – Annual report year: 2005

The p/q-ACTIVE facility location problem: Investigation of the solution space and an LP-fitting heuristic - Technical Report
Hansen, A. D., Christensen, S. G. & Rousoe, D. M. 2005
Publication: Research - peer-review › Report – Annual report year: 2005

Projects:

Electric Urban Freight And Logistics
Pacino, D., Christensen, J. M., Larsen, A., Malladi, S. S. & Barfod, M. B.
01/01/2018 → …
Project

BEAM-ME
Wiese, F. & Buchholz, S.
15/03/2017 → 30/09/2018
Project

Manpower Planning at Danish Hospitals
Bagger, N. F.
01/02/2017 → 31/12/2017
Project

FutureGas
01/02/2016 → 31/01/2020
Project

Mobilitetspotentiale for Aarhus Lætbane
01/01/2016 → 01/01/2017
Project

Optimizing Transportation, Planning, and Scheduling Problems using Decomposition Algorithms
Spooren, S.
01/01/2009 → 31/12/2010

Activities:

9th International Conference on Computational Logistics - 2018 (Event)
Pacino, D. (Member)
2018
Activity: Membership › Membership in review committee

Preference scheduling for nurses under Danish legislation
Bödvarsdottir, E. B. (Guest lecturer)
2018
Activity: Talks and presentations › Conference presentations

A Hybrid Heuristic for the Flexible Ship Loading Problem
Pacino, D. (Guest lecturer)
19 Jun 2018
Activity: Talks and presentations › Conference presentations

Integrated Planning in Railway Station Capacity Analysis
Lusby, R. M. (Guest lecturer)
31 May 2018
Activity: Talks and presentations › Conference presentations

Tramp ship routing and scheduling with voyage separation requirements
Larsen, J. (Guest lecturer), Vilhelmsen, C. (Guest lecturer), Lusby, R. M. (Guest lecturer)
27 May 2018 → 30 May 2018
Activity: Talks and presentations › Conference presentations

Danish Operations Research Society (DORS) (External organisation)
Pacino, D. (Chairman)
16 Mar 2018
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Applied nurse rostering at Danish hospitals in Region Zealand
Bagger, N. F. (Guest lecturer)
15 Dec 2017
Activity: Talks and presentations › Conference presentations

A Simulation-based Markov Decision Process for the Scheduling of Operating Theatres
Andersen, A. R. (Guest lecturer)
20 Sep 2017 → 22 Sep 2017
Activity: Talks and presentations › Conference presentations

Investigation of consumer’s behavior towards investments in household energy efficient appliances
Baldini, M. (Speaker), Trivella, A. (Other), Wente, J. W. H. (Other)
13 Sep 2017 → 15 Sep 2017
Activity: Talks and presentations › Conference presentations
Using OR + AI to predict the optimal production of offshore wind parks: a preliminary study
Fischetti, M. (Guest lecturer)
6 Sep 2017
Activity: Talks and presentations › Conference presentations

INFORMS Healthcare 2017
Andersen, A. R. (Guest lecturer)
26 Jul 2017 → 28 Jul 2017
Activity: Talks and presentations › Conference presentations

Tramp ship routing and scheduling with voyage separation requirements
Larsen, J. (Guest lecturer), Vilhelmsen, C. (Other), Lusby, R. M. (Other)
17 Jul 2017
Activity: Talks and presentations › Conference presentations

Consumer’s Attitude Towards Investments in Residential Energy Efficient Appliances: how End-user Choices Contribute to Change Future Energy Systems
Baldini, M. (Speaker), Trivella, A. (Other), Wente, J. W. H. (Other)
21 Jun 2017
Activity: Talks and presentations › Conference presentations

A matheuristic approach for Integrated Timetabling and Vehicle Scheduling Problem
Fonseca, J. F. P. (Speaker), Roberto Roberti (Other), van der Hurk, E. (Other), Larsen, A. (Guest lecturer)
17 May 2017
Activity: Talks and presentations › Conference presentations

Daily Pattern Formulation and Valid Inequalities for the Curriculum-based Course Timetabling Problem
Bagger, N. F. (Guest lecturer), Guy Desaulniers (Guest lecturer), Jacques Desrosiers (Guest lecturer)
2016
Activity: Talks and presentations › Conference presentations

Planning of Midwives
Vilhelmsen, C. (Speaker), Larsen, J. (Other)
4 Jul 2016
Activity: Talks and presentations › Conference presentations

Optimization of Medical Bed Resources using Queueing Theory and Hill Climbing
Andersen, A. R. (Guest lecturer)
3 Jul 2016 → 6 Jul 2016
Activity: Talks and presentations › Conference presentations

Optimization of Medical Bed Resources using Queueing Theory and Hill Climbing
Andersen, A. R. (Guest lecturer)
24 May 2016 → 25 May 2016
Activity: Talks and presentations › Conference presentations

Flow Formulation-based Model for the Curriculum-based Course Timetabling Problem
Bagger, N. F. (Guest lecturer), Stidsen, T. J. R. (Guest lecturer), Matias Sørensen (Guest lecturer), Simon Kristiansen (Guest lecturer)
2015
Activity: Talks and presentations › Conference presentations

A heuristic and hybrid method for the tank allocation problem in maritime bulk shipping
Vilhelmsen, C. (Speaker), Larsen, J. (Other), Lusby, R. M. (Other)
6 Mar 2014
Activity: Talks and presentations › Conference presentations
The Tank Allocation Problem in Bulk Shipping
Vilhelmsen, C. (Speaker), Larsen, J. (Other), Lusby, R. M. (Other)
27 Sep 2013
Activity: Talks and presentations › Conference presentations

Routing and Scheduling in Tramp Shipping - Integrating Bunker Optimization
Vilhelmsen, C. (Speaker), Larsen, J. (Other), Lusby, R. M. (Other)
4 Sep 2013
Activity: Talks and presentations › Conference presentations

Discrete optimization support system for the collection grid in large offshore wind parks
Bagger, N. F. (Guest lecturer), Lindahl, M. (Guest lecturer)
2012
Activity: Talks and presentations › Conference presentations

Matematik i planlægning
Spoorendonk, S. (Speaker)
23 Apr 2010
Activity: Talks and presentations › Conference presentations

Prizes:

Best Student Thesis 2013
Niels-Christian Fink Bagger (Recipient), 2013
Prize: Prizes, scholarships, distinctions

Best Thesis in Operations Research 2013
Niels-Christian Fink Bagger (Recipient), 29 Apr 2013
Prize: Prizes, scholarships, distinctions

Teacher of the Year 2018 at DTU Management Engineering
Charlotte Vilhelmsen (Recipient), 3 May 2018
Prize: Prizes, scholarships, distinctions

Press clippings:

Problemknuser i verdensklasse
Simon Spoorendonk
09/12/2009
1 media contribution
Press / Media

Sporbarhed skal give værditilvækst
Toke Koldborg Jensen
11/02/2009
1 media contribution
Press / Media