Allan Larsen - DTU Orbit (03/02/2018)

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Publications:

Electric bus fleet size and mix problem with optimization of charging infrastructure
Publication: Research - peer-review › Journal article – Annual report year: 2018

The multi-port berth allocation problem with speed optimization and emission considerations
Publication: Research - peer-review › Journal article – Annual report year: 2017

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

An adaptive large neighborhood search heuristic for the Electric Vehicle Scheduling Problem
Publication: Research - peer-review › Journal article – Annual report year: 2016

Green corridors in freight logistics
Publication: Research › Ph.D. thesis – Annual report year: 2016

The Simultaneous Vehicle Scheduling and Passenger Service Problem with Flexible Dwell Times
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Integrated Berth Allocation and Quay Crane Assignment Problem: Set partitioning models and computational results
Publication: Research - peer-review › Journal article – Annual report year: 2015

Transportens Innovationsnetværk og nye tiltag indenfor transportsektoren
Publication: Communication › Journal article – Annual report year: 2015

Hybrid Heuristic Approaches for Tactical Berth Allocation Problem
Publication: Research › Conference abstract for conference – Annual report year: 2014

The Simultaneous Vehicle Scheduling and Passenger Service Problem
Publication: Research - peer-review › Journal article – Annual report year: 2013

Improved Models to Integrated Berth Allocation-Quay Crane Assignment Problem: A Computational Comparison and Novel Solution Approaches
Publication: Research - peer-review › Paper – Annual report year: 2013
Integrated Berth Allocation-Quay Crane Assignment Problem: Reformulations, Improved Constraints and Computational Results
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Optimering af kollektiv transport
Publication: Education › Book chapter – Annual report year: 2013

Routing of Electric Vehicles: Case Study of City Distribution in Copenhagen
Publication: Research › Conference abstract for conference – Annual report year: 2013

Routing of Electric Vehicles: City Distribution in Copenhagen
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

The waste collection vehicle routing problem with time windows in a city logistics context
Publication: Research - peer-review › Conference article – Annual report year: 2012

Solving a Vehicle Routing Problem with a non-linear load dependant cost function
Publication: Research › Conference abstract for conference – Annual report year: 2011

Truende mangel på trafikplanlæggere og vejingeniører
Publication: Communication › Journal article – Annual report year: 2011

Disruption Management - Foreword
Publication: Research - peer-review › Journal article – Annual report year: 2010

Disruption management in the airline industry-Concepts, models and methods
Publication: Research - peer-review › Journal article – Annual report year: 2010

The Simultaneous Vehicle Scheduling and Passenger Service Problem
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Intelligent Freight Transport Systems: Visions for real-time distribution planning
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

A Data Set for the Simultaneous Vehicle Scheduling and Passenger Service Problem
Publication: Research › Report – Annual report year: 2008

Dynamic Airline Scheduling: An Analysis of the Potentials of Releeting and Retiming
Publication: Research - peer-review › Journal article – Annual report year: 2008

Dynamic Airline Scheduling: An Analysis of the Potentials of Releeting and Retiming
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Recent developments in dynamic vehicle routing systems
Publication: Research - peer-review › Book chapter – Annual report year: 2008

The Simultaneous Vehicle Scheduling and Passenger Service Problem
Publication: Research › Report – Annual report year: 2008
Airline Disruption Management - Perspectives, Experiences and Outlook
Publication: Research - peer-review » Journal article – Annual report year: 2007

Classification of Dynamic Vehicle Routing Systems
Publication: Research - peer-review » Book chapter – Annual report year: 2006

Dynamic Airline Scheduling: An Analysis of the Potentials of Refleeting and Retiming
Publication: Research » Report – Annual report year: 2007

Dynamic Airline Scheduling: An Analysis of the Potentials of Refleeting and Retiming
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2007

Analysis and Comparison of Typical Models within Distribution Network Design
Publication: Research - peer-review » Paper – Annual report year: 2006

Analysis and Comparison of Typical Models within Distribution Network Design
Publication: Research » Report – Annual report year: 2006

Disruption Management in the Airline Industry - Concepts, Models and Methods
Publication: Research - peer-review » Report – Annual report year: 2005

Airline Disruption Management - Perspectives, Experiences and Outlook
Publication: Research » Report – Annual report year: 2004

Modelling and Solving the International Freight Service Network Timetabling Problem (IFSENT)
Publication: Research - peer-review » Article in proceedings – Annual report year: 2004

Strengthening knowledge within logistics and freight transport
Publication: Research » Journal article – Annual report year: 2005

The A-priori Dynamic Traveling Salesman Problem with Time Windows
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2004

The A-priori Traveling Salesman Problem with Time Windows
Publication: Research - peer-review » Journal article – Annual report year: 2004

The a-prioary dynamic traveling salesman problem with time windows
Publication: Research - peer-review » Journal article – Annual report year: 2004

The A-priori Dynamic Traveling Salesman Problem with Time Windows
Publication: Research » Report – Annual report year: 2003

Partially dynamic vehicle routing - models and algorithms
Publication: Research - peer-review » Journal article – Annual report year: 2002

Staff Scheduling within the Retail Business in Denmark
Publication: Research » Article in proceedings – Annual report year: 2002

Disruption management
Publication: Research » Journal article – Annual report year: 2001
Disruption management - operations research between planning and execution
Publication: Research › Report – Annual report year: 2001

The dynamic vehicle routing problem
Publication: Research › Ph.D. thesis – Annual report year: 2000

Partially Dynamic Vehicle Routing-Models and Algorithms
Publication: Research - peer-review › Report – Annual report year: 1999

The A-Priori Dynamic Travelling Salesman Problem with Time Windows
Publication: Research - peer-review › Report – Annual report year: 1999

Dynamic Vehicle Routing - An Overview of Systems with Varying Degree of Dynamism
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Solving the multiple depot vehicle scheduling problem in a major Scandinavian city
Publication: Research - peer-review › Report – Annual report year: 1997

Solving the multiple depot vehicle scheduling problem in a major Scandinavian city
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

An Evaluation of the Strategy for Calling in Vehicles for Inspection.
Publication: Research - peer-review › Report – Annual report year: 1996

Computer based crew rostering (in Danish).
Publication: Research - peer-review › Report – Annual report year: 1996

Projects:

Machine Learning and Mobility
Project: PhD

Optimization of operations in public transportation
Project: PhD

Optimization of timetables in integrated public transport planning
Project: PhD

Cargo-mix optimisation
Project: PhD

Green corridors in freight logistics
Project: PhD

Efficient Algorithms for integrated Container Terminal Activities
Project: PhD

The Framework of phase-based planning of railway
Project: PhD
ConCoord
Project

Potential of Intelligent Electric Vehicles for Commercial Use
Project: PhD

Network Effects within Railway Networks
Project: PhD

Green Corridor in the North Sea Region
Project

Disaggregate activity-based traffic assignment modelling
Project: PhD

Optimal Aircraft Gate Assignment on a Strategic, Tactical and Operational Level
Project: PhD

Effektive løsningsmetoder til real-tids distributionssystemer
Project: PhD

Sustainable Disruption Management
Project: PhD

Cable Aerodynamic Control
Project: PhD

Effektive løsningsmetoder til real-tids distributionssystemer
Project: PhD

Solving Recovery Problems using Optimisations Methods
Project: PhD

Models and Algorithms for the Vehicle Routing Problem with Cross Docking
Project: PhD

Simultaneous Optimisation of Operating Costs and Passenger Service in Public Transit
Project

Traffic Plan for Greenland: Decision Support Tool TGB
Project

Centre for Logistics and Freight Transport
Project

The dynamic vehicle routing problem
Project: PhD

Crew and vehicle scheduling.
Project
Calling in vehicles for inspection.
Project

Dynamic vehicle routing.
Project

Activities:

A matheuristic approach for Integrated Timetabling and Vehicle Scheduling Problem
Activity: Talks and presentations › Conference presentations

City Logistics – constraints and opportunities. E-mobility and city logistics – for citizens, goods and business
Activity: Talks and presentations › Conference presentations