Allan Larsen - DTU Orbit (11/10/2019)

Allan Larsen
Department of Technology, Management and Economics - Professor, Deputy Head of Division, Group Leader
Management Science
Operations Management
Person: VIP

Research outputs:

An urban consolidation center in the city of Copenhagen: A simulation study
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Passenger service optimization through timetabling with free passenger route choice
Research output: Book/Report › Report – Annual report year: 2019 › Research › peer-review

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

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

Synchronizing transfers through integrated timetabling and vehicle scheduling - an iterative matheuristic approach with public transit traffic assignment
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review

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

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

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

The Simultaneous Vehicle Scheduling and Passenger Service Problem with Flexible Dwell Times
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review
Integrated Berth Allocation and Quay Crane Assignment Problem: Set partitioning models and computational results
Iris, C., Pacino, D., Rapke, S. & Larsen, A., 2015, In : Transportation Research. Part E: Logistics and Transportation Review. 81, p. 75-97
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Transportens Innovationsnetværk og nye tiltag indenfor transportsektoren
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Communication

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

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

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

Integrated Berth Allocation-Quay Crane Assignment Problem: Reformulations, Improved Constraints and Computational Results
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

Optimering af kollektiv transport
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2013 › Education

Routing of Electric Vehicles: Case Study of City Distribution in Copenhagen
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

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

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

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

Truende mangel på trafikplanlæggere og vejingeniører
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Communication
Dynamic Airline Scheduling: An Analysis of the Potentials of Refleeting and Retiming
Research output: Book/Report › Report – Annual report year: 2007 › Research

Analysis and Comparison of Typical Models within Distribution Network Design
Research output: Contribution to conference › Paper – Annual report year: 2006 › Research › peer-review

Disruption Management in the Airline Industry - Concepts, Models and Methods
Clausen, J., Larsen, A. & Larsen, J., 2005
Research output: Book/Report › Report – Annual report year: 2005 › Research › peer-review

Strengthening knowledge within logistics and freight transport
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research

The A-priori Dynamic Traveling Salesman Problem with Time Windows
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research › peer-review
Partially dynamic vehicle routing - models and algorithms
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Staff Scheduling within the Retail Business in Denmark
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research

Disruption management
Research output: Contribution to journal › Journal article – Annual report year: 2001 › Research

Disruption management - operations research between planning and execution
Research output: Book/Report › Report – Annual report year: 2001 › Research

The dynamic vehicle routing problem

Partially Dynamic Vehicle Routing-Models and Algorithms
Larsen, A., Madsen, O. B. G. & Solomon, M. M., 1999
Research output: Book/Report › Report – Annual report year: 1999 › Research › peer-review

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

Dynamic Vehicle Routing - An Overview of Systems with Varying Degree of Dynamism
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1998 › Research › peer-review

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

Solving the multiple depot vehicle scheduling problem in a major Scandinavian city
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research › peer-review

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

Computer based crew rostering (in Danish).
Larsen, A. & Madsen, O. B. G., 1996
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Projects:
EUFAL: Electric Urban Freight And Logistics
Pacino, D., Christensen, J. M., Larsen, A., Malladi, S. S. & Barfod, M. B.
01/01/2018 → 30/06/2020
Project: Research

Machine Learning and Mobility
Markou, I., Pereira, F. C., Larsen, A., Rich, J., Jenelius, E. A. & Viti, F.
Technical University of Denmark
15/12/2015 → 30/09/2019
Project: PhD

Optimization of timetables in integrated public transport planning
Fonseca, J. F. P., Larsen, A., Roberti, R., Lusby, R. M., Corman, F., Kliewer, N. & van der Hurk, E.
Samfinansieret - Andet
01/10/2015 → 10/08/2019
Project: PhD

Optimization of operations in public transportation
Farina, F., Rapke, S., Larsen, A., Roberti, R., Pisinger, D., Groth, J. J. & Cacchiani, V.
Samfinansieret - Andet
01/10/2015 → 02/05/2019
Project: PhD

Cargo-mix optimisation
Forskningsrådsfinansiering
01/09/2014 → 01/02/2018
Project: PhD

Green corridors in freight logistics
Samfinansieret - Andet
15/08/2014 → 25/11/2016
Project: PhD

Optimal Aircraft Gate Assignment on a Strategic, Tactical and Operational Level
ErhvervsPhD-ordningen VTU
01/10/2010 → 26/05/2014
Project: PhD

Sustainable Disruption Management
ErhvervsPhD-ordningen VTU
01/11/2009 → 04/04/2013
Project: PhD

The dynamic vehicle routing problem
Larsen, A., Madsen, O. B. G., Clausen, J., Gendreau, M. & Pisinger, D.
Anden sektorministeriel finansiering - SU
01/01/1997 → 17/04/2001
Project: PhD

Disaggregate activity-based traffic assignment modelling
Technical University of Denmark
01/05/2011 → 23/02/2015
Project: PhD
Models and Algorithms for the Vehicle Routing Problem with Cross Docking
Wen, M., Larsen, J., Clausen, J., Larsen, A., Hasle, G. & Nielsen, J. B.
DTU stipendium
01/02/2006 → 24/03/2010
Project: PhD

Network Effects within Railway Networks
Technical University of Denmark
01/10/2012 → 07/04/2016
Project: PhD

Efficient Algorithms for integrated Container Terminal Activities
Iris, C., Larsen, A., Pacino, D., Rapke, S., Psarafitis, H. N., Meisel, F. & Vis, I. F. A.
Technical University of Denmark
01/02/2013 → 04/07/2016
Project: PhD

The Framework of phase-based planning of railway
Li, R., Larsen, A., Landex, A., Salling, K. B., Psarafitis, H. N., Madsen, S. N., Preston, J. & Vicencio, A. A. N.
Technical University of Denmark
15/01/2013 → 21/09/2017
Project: PhD

Cable Aerodynamic Control
Kleissl, K., Georgakis, C. T., Koss, H., Fischer, G., Larose, G. & Larsen, A.
Technical University of Denmark
01/10/2009 → 27/08/2013
Project: PhD

Solving Recovery Problems using Optimisations Methods
Rasmussen, M. S., Larsen, J., Ryan, D., Larsen, A., Gustafsson, T. & Rönnqvist, M.
Technical University of Denmark
01/05/2008 → 28/09/2011
Project: PhD

ConCoord: ConCoord
Olsen, A., Larsen, R., Larsen, A., Psarafitis, H. N. & Wen, M.
01/01/2013 → 01/06/2016
Project: Research

GreCOR: Green Corridor in the North Sea Region
Olsen, A., Farina, F., Larsen, R. & Larsen, A.
01/01/2012 → 31/12/2014
Project: Research

Simultaneous Optimisation of Operating Costs and Passenger Service in Public Transit
Madsen, O. B. G., Larsen, A., Pedersen, M. B. & Petersen, B.
Forskningsrådene - Andre
01/09/2005 → 31/05/2008
Project: Research

TGB: Traffic Plan for Greenland: Decision Support Tool TGB
Indtægtsdækket virksomhed UK 90
06/06/2005 → 31/12/2005
Dynamic vehicle routing.
Ukendt
01/09/1994 → …
Project: Research

Crew and vehicle scheduling.
Madsen, O. B. G. & Larsen, A.
Ukendt
01/01/1996 → 31/12/1998
Project: Research

Calling in vehicles for inspection.
Madsen, O. B. G., Larsen, A. & Rygaard, J. M.
Ukendt
01/11/1995 → 31/05/1996
Project: Research

CLG: Centre for Logistics and Freight Transport
Salling, K. B., Jensen, A. V., Sørensen, M. V., Landex, A. & Holvad, T.
Statens Teknisk Videnskabelige Forskningsråd
25/06/2001 → 31/12/2006
Project: Research

Activities:

A rich two-echelon electric vehicle routing problem with satellite versatility
Dario Pacino (Speaker), Satya Sarvani Malladi (Other), Jonas Mark Christensen (Other), Allan Larsen (Other)
23 Jun 2019 → 26 Jun 2019
Activity: Talks and presentations › Conference presentations

Evaluating electric mobility in urban service logistics
Satya Sarvani Malladi (Speaker), David Ramirez-Marti (Other), Jonas Mark Christensen (Other), Allan Larsen (Other),
Dario Pacino (Other)
23 Jun 2019 → 26 Jun 2019
Activity: Talks and presentations › Conference presentations

Using Electric Vehicles for Commercial Urban Transports
Allan Larsen (Speaker)
4 Nov 2018 → 7 Nov 2018
Activity: Talks and presentations › Conference presentations

Mere effektiv transport
Allan Larsen (Invited speaker)
26 Sep 2018
Activity: Talks and presentations › Conference presentations

A matheuristic approach for Integrated Timetabling and Vehicle Scheduling Problem
Joao Filipe Paiva Fonseca (Speaker), Roberto Roberti (Other), Evelien van der Hurk (Other), Allan Larsen (Guest lecturer)
17 May 2017
Activity: Talks and presentations › Conference presentations
City Logistics – constraints and opportunities. E-mobility and city logistics – for citizens, goods and business
Allan Larsen (Guest lecturer)
2 Feb 2017
Activity: Talks and presentations › Conference presentations