

Curriculum Vitae

Sune Lauth Gadegaard
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Institut for Økonomi

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Tidligere tilknytninger

Adjunkt ved Institut for Økonomi, School of Business and Social Sciences, Aarhus Universitet. Februar 2017 - Maj 2020.

Forskningsassistent ved Institut for Økonomi, School of Business and Social Sciences, Aarhus Universitet. April 2016 - Februar 2017.

Ph.d. studerende ved Institut for Økonomi, School of Business and Social Sciences, Aarhus Universitet. Februar 2013 - April 2016

Visiting researcher ved Lancaster University Management School. September 2014 - December 2014.

Forskningsområde

Hovedsagligt forestår jeg min forskning inden for facilitetsplanlægning, ruteplanlægning, matematisk programmering, kombinatorisk optimering og fler-kriterie optimering.

Uddannelse

2013-2016 Ph.d. i Operationsanalyse, Institut for Økonomi, Aarhus BSS, Aarhus Universitet. Afhandlingen omhandlede diskrete lokaliseringsproblemer og generaliseringer til mere end en objektfunktion.

2010-2013 MSc i Matematik-Økonomi, Matematisk Institut, Science and Technology, Aarhus Universitet. Kandidatafhandlingen fokuserede på "the single source capacitated facility location problem". Jeg udviklede en effektiv algoritme til at løse problemet til beviselig optimalitet.

2007-2010 BSc i Matematik, Matematisk Institut, Science and Technology, Aarhus Universitet. Bachelorafhandlingen fokuserede på at optimere den politik der bliver brugt til at tildele opkald til operatører i et call center. Den anvendte metode var Markov beslutningsteori.

Publikationer

Branch-and-bound and objective branching with three or more objectives

Forget, N., Gadegaard, S. L., Klamroth, K., Nielsen, L. R. & Przybylski, A., dec. 2022, I: Computers and Operations Research. 148, 16 s., 106012.

Warm-starting lower bound set computations for branch-and-bound algorithms for multi objective integer linear programs

Forget, N. J., Gadegaard, S. L. & Relund, L., 1 nov. 2022, I: European Journal of Operational Research. 302, 3, s. 909-924 16 s.

A symmetry-free polynomial formulation of the capacitated vehicle routing problem

Gadegaard, S. L. & Lysgaard, J., jun. 2021, I: Discrete Applied Mathematics. 296, s. 179-192 14 s.

Branch-and-bound and objective branching with three objectives

Gadegaard, S. L., Relund, L., Forget, N. J., Klamroth, K. & Przybylski, A., dec. 2020, I: optimization-online.org. 32 s.

Bi-objective branch-and-cut algorithms based on LP relaxation and bound sets

Gadegaard, S. L., Nielsen, L. R. & Ehrgott, M., 2019, I: INFORMS Journal on Computing. 31, 4, s. 790-804 15 s.

A bi-objective approach to discrete cost-bottleneck location problems

Gadegaard, S. L., Klöse, A. & Nielsen, L. R., 2018, I: Annals of Operations Research. 267, 1-2, s. 179-201 23 s.

An improved cut-and-solve algorithm for the single-source capacitated facility location problem

Gadegaard, S. L., Kløse, A. & Nielsen, L. R., 2018, I: EURO Journal on Computational Optimization. 6, 1, s. 1-27 27 s.

Bi-objective branch-and-cut algorithms: Applications to the single source capacitated facility location problem

Gadegaard, S. L., Ehrgott, M. & Nielsen, L. R., 2016, Århus Universitet.

Integrating cut-and-solve and semi-Lagrangian based dual ascent for the single-source capacitated facility location problem

Gadegaard, S. L., 2016, Department of Economics and Business Economics, School of Business and Social Sciences, Aarhus University.

Aktiviteter

Educational leadership

Gadegaard, S. L. (Deltager), Lassen, S. (Arrangør), Lasseisen, B. (Arrangør), Pedersen, I. M. (Arrangør), Kærsgaard, J. L. (Arrangør) & Nielsen, K.-J. S. (Arrangør)

26 okt. 2023 → 30 nov. 2023

AARHUS BSS: Online and blended learning

Gadegaard, S. L. (Deltager)

29 nov. 2022 → 20 jan. 2023

Master's and PhD supervision for professors and associate professors at BSS 2021-2022

Gadegaard, S. L. (Deltager)

10 nov. 2021 → 27 apr. 2022

CUL workshop on course descriptions

Gadegaard, S. L. (Arrangør), Bager-Elsborg, A. (Arrangør) & Stenalt, M. H. (Arrangør)

2 maj 2019

BSS Workshop on research and teaching within digitalisation

Gadegaard, S. L. (Deltager)

25 apr. 2019

Konferencer

INFORMS Annual Meeting 2022

Gadegaard, S. L. (Deltager)

16 okt. 2022 → 19 okt. 2022

Recent Advances in Multi-Objective Optimization

Gadegaard, S. L. (Taler)

15 nov. 2018

INFORMS annual meeting 2018

Gadegaard, S. L. (Taler)

4 nov. 2018 → 7 nov. 2018

INFORMS annual meeting 2015

Gadegaard, S. L. (Taler)

1 nov. 2015 → 4 nov. 2015

23rd International Conference on Multiple Criteria Decision Making
Gadegaard, S. L. (Taler)
2 aug. 2015 → 7 aug. 2015