

Afonso H. Sampaio
University Researcher
Operations Planning Acc. & Control
Email: A.H.Sampaio.Oliveira@tue.nl



Employment

Doctoral Candidate

Doctoral Candidate
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2015 → 31 Aug 2019

Doctoral Candidate

Doctoral Candidate
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2015 → 31 Aug 2019

University Researcher

University Researcher
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2019 → 15 Sep 2019

University Researcher

University Researcher
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2019 → 15 Sep 2019

University Researcher

University Researcher
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2019 → 21 Jul 2020

Doctoral Candidate

Doctoral Candidate
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Aug 2019 → 31 Aug 2019

University Researcher

University Researcher

Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2019 → 31 Aug 2021

University Researcher

University Researcher
Operations Planning Acc. & Control
Eindhoven University of Technology
Eindhoven, Netherlands
1 Sep 2021 → 31 Aug 2022

Research output

Delivery Systems with Crowd-Sourced Drivers: A Pickup and Delivery Problem with Transfers

Sampaio, A. H., Savelsbergh, M. W. P., Veelenturf, L. P. & van Woensel, T., 1 Sep 2020, In: *Networks*. 76, 2, p. 232-255 24 p.

New formulation and branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks: new formulation and branch-and-cut algorithm

Sampaio Oliveira, A. H. & Urrutia, S., 2017, In: *International Transactions in Operational Research*. 24, 1-2, p. 77-98 22 p.

A decomposition approach to solve the quay crane scheduling problem

Sampaio Oliveira, A. H., Urrutia, S. & Oppen, J., 2016, In: *arXiv*. 2016, 24 p., 1604.00527.

Crowd-based city logistics

Sampaio Oliveira, A. H., Savelsbergh, M. W. P., Veelenturf, L. P. & van Woensel, T., 2019, *Sustainable Transportation and Smart Logistics: Decision-Making Models and Solutions*. Faulin, J., Grasman, S. E., Juan, A. A. & Hirsch, P. (eds.). Elsevier, p. 381-400 20 p.

Designing a multicore graph library

Samer, P., Sampaio Oliveira, A. H., Milaneés, A. & Urrutia, S., 2012, *The 10th IEEE International Symposium on Parallel and Distributed Processing with Applications*. Piscataway: Institute of Electrical and Electronics Engineers, p. 721-728 8 p.

A scenario-based approach for the vehicle routing problem with roaming delivery locations under stochastic travel times

Sampaio Oliveira, A., Kinable, J., Veelenturf, L. & van Woensel, T., 7 May 2019, *Optimization Online*, 29 p.

The benefits of transfers in crowdsourced pickup-and-delivery systems

Sampaio Oliveira, A. H., Savelsbergh, M. W. P., Veelenturf, L. P. & van Woensel, T., 2018, *Optimization Online*, 49 p.

Crowd-based city logistics

Sampaio Oliveira, A. H., Savelsbergh, M. W. P., Veelenturf, L. P. & van Woensel, T., 27 Nov 2017, s.l.: *Optimization Online*, 14 p. (SCL Report Series; no. 17-02).

Innovative business-to-business last-mile solutions: models and algorithms

Sampaio Oliveira, A. H., 27 Jan 2021, Eindhoven: Technische Universiteit Eindhoven. 167 p.

Projects

Concoord

van Woensel, T., van Woensel, T., Veelenturf, L. P. & Sampaio, A. H.
1/03/13 → 31/12/16