

**Prof. Dr.  
Gerhard Wäscher**

**2016**

**Begutachtete Aufsätze in Fachzeitschriften**

Koch, S.; Wäscher, G. (2016):

A grouping genetic algorithm for the order batching problem in distribution warehouses.  
In: *Journal of Business Economics* 86, 131-153.



Männel, D.; Bortfeldt, A.: (2016):

A hybrid algorithm for the vehicle routing problem with pickup and delivery and 3D loading constraints.  
In: *European Journal of Operational Research* 254, 840-858.



Neidlein, V.; Scholz, A.; Wäscher, G. (2016):

SLOPPGEN: A problem generator for the two-dimensional rectangular single large object placement problem with defects.  
In: *International Transactions in Operational Research* 23, 173-186.



Scholz, A.; Henn, S.; Stuhlmann, M.; Wäscher, G. (2016):

A new mathematical programming formulation for the single-picker routing problem.  
In: *European Journal of Operational Research* 253, 68-84.



Silva, E.; Oliveira, J.F.; Wäscher, G. (2016):

The pallet loading problem: A review of solution methods and computational experiments.  
In: *International Transactions in Operational Research* 23, 147-172.



**Beiträge in Sammelwerken**

Henke, T.; Scholz, A.; Wäscher, G. (2016):

Personaleinsatzplanung für Klausuraufsichten an Hochschulen.  
In: *Nachhaltiges Entscheiden - Beiträge zum multiperspektivischen Performancemanagement von Wertschöpfungsprozessen* (Hrsg.: Ahn, H.; Clermont, M.; Souren, R.). Wiesbaden:



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Gabler, 427-445.

**Arbeitsberichte**

Koch, H.; Henke, T.; Wäscher, G. (2016):

A genetic algorithm for the multi-compartment vehicle routing problem with flexible compartment sizes.  
*Working Paper No. 04/2016* Fakultät für Wirtschaftswissenschaft, Otto-von-Guericke Universität Magdeburg.



Reil, S.; Bortfeldt, A.; Mönch, L. (2016):

Heuristics for vehicle routing problems with backhauls, time windows and 3D loading constraints.  
*Informatik Berichte 374 - 10/2016* FernUniversität in Hagen, Fakultät für Mathematik



und Informatik.

Ruberg, Y.; Scholz, A. (2016):

A mathematical programming formulation for the single-picker routing problem in a multi-block layout.

*Working Paper No. 02/2016* Fakultät für Wirtschaftswissenschaft, Otto-von-Guericke Universität Magdeburg.



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Scholz, A.; Schubert, D.; Wäscher, G. (2016):

Order picking with multiple pickers and due dates - Simultaneous solution of order batching, batch assignment and sequencing, and picker routing problems.

*Working Paper No. 05/2016* Fakultät für Wirtschaftswissenschaft, Otto-von-Guericke Universität Magdeburg.



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Scholz, A. (2016):

An exact solution approach to the single-picker routing problem in warehouses with an arbitrary block layout.

*Working Paper No. 06/2016* Fakultät für Wirtschaftswissenschaft, Otto-von-Guericke Universität Magdeburg.



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### Kleine Beiträge

Henke, T. (2016):

WKOR-Tagung 2016.

In: *OR News*, No. 56, April 2016, 19-20.



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### Publikationen

- ▶ 2021
- ▶ 2019
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