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LEHRSTUHL BWL, INSB. MANAGEMENT SCIENCE

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1. Leitung

ab 10/2017: Prof. Dr. Jan Fabian Ehmke
bis 09/2017: Prof. Dr. Gerhard Wäscher

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Ehmke, Jan Fabian

Interview with Hanno Schülldorf on Computational challenges in planning of mobility and transportation services
In: Business & information systems engineering - Atlanta, Georgia: AIS, Bd. 59.2017, 3, S. 181-182
[Imp.fact.: 3,392]

Reil, Sebastian; Bortfeldt, Andreas; Mönch, Lars

Heuristics for vehicle routing problems with backhauls, time windows, and 3d loading constraints
In: European journal of operational research: EJOR - Amsterdam [u.a.]: Elsevier, 2017; <http://dx.doi.org/10.1016/j.ejor.2017.10.029>
[Imp.fact.: 3,297]

Scholz, André; Schubert, Daniel; Wäscher, Gerhard

Order picking with multiple pickers and due dates - simultaneous solution of order batching, batch assignment and sequencing, and picker routing problems
In: European journal of operational research: EJOR - Amsterdam [u.a.]: Elsevier, Bd. 263.2017, 2, S. 461-478
[Imp.fact.: 3,297]

Scholz, André; Wäscher, Gerhard

Order batching and picker routing in manual order picking systems - the benefits of integrated routing
In: Central European journal of operations research - Heidelberg: Physica-Verl, Bd. 25.2017, 2, S. 491-520
[Imp.fact.: 0,659]

Nicht begutachtete Zeitschriftenaufsätze

Hahn, Sandra; Scholz, André

Order picking in narrow-aisle warehouses - a fast approach to minimize waiting time
In: Magdeburg Univ., Faculty of Economics and Management, 2017, 32 Seiten - (Working paper series; Otto von Guericke University, FEMM, Faculty of Economics and Management; 2017, No.6)

Henke, Tino; Speranza, Maria Grazia; Wäscher, Gerhard

A branch-and-cut algorithm for the multi-compartment vehicle routing problem with flexible compartment sizes
In: Magdeburg Univ., Faculty of Economics and Management, 2017, 19 Seiten - (Working paper series; Otto von Guericke University, FEMM, Faculty of Economics and Management; 2017, No.4)

Koch, Henriette; Bortfeldt, Andreas; Wäscher, Gerhard

A hybrid solution approach for the 3L-VRP with simultaneous delivery and pickups

In: Magdeburg Univ., Faculty of Economics and Management, 2017, 40 Seiten, Illustrationen - (Working paper series; Otto von Guericke University, FEMM, Faculty of Economics and Management; 2017, No.5)

Koch, Henriette; Schlägell, Maximilian; Bortfeldt, Andreas

A hybrid algorithm for the vehicle routing problem with three-dimensional loading constraints and mixed backhauls

In: Magdeburg Univ., Faculty of Economics and Management, 2017, 34 Seiten, Illustrationen - (Working paper series; Otto von Guericke University, FEMM, Faculty of Economics and Management; 2017, No.11)

Schubert, Daniel; Scholz, André; Wäscher, Gerhard

Integrated order picking and vehicle routing with due dates

In: Magdeburg Univ., Faculty of Economics and Management, 2017, 28 Seiten, Illustrationen - (Working paper series; Otto von Guericke University, FEMM, Faculty of Economics and Management; 2017, No.7)

Begutachtete Buchbeiträge

Eckert, Sebastian; Ehmke, Jan Fabian

Classification of data analysis tasks for production environments

In: Business Information Systems Workshops: BIS 2016 International Workshops, Leipzig, Germany, July 6-8, 2016\$revised papers - Cham: Springer, S. 399-407, 2017 - (Lecture Notes in Business Information Processing; 263) [Workshop: Business Information Systems Workshops, BIS 2016, Leipzig, Germany, July 6-8, 2016]

Pfannenschmidt, Marten; Ehmke, Jan Fabian; Schreier, Frank

Analyse von Transaktionsdaten im Online-Ticketing mit Data-Mining-Methoden

In: Nahverkehrs-Tage 2017: digital und disruptiv - neue Daten und Methoden für einen kundengerechten ÖPNV - Kassel: kassel university press, S. 45-64 - (Schriftenreihe Verkehr; Heft 28) [Tagung: Nahverkehrs-Tage, Kassel, 2017]

Schmid, Verena; Ehmke, Jan Fabian

An effective large neighborhood search for the team orienteering problem with time windows

In: Computational Logistics: 8th International Conference, ICCL 2017, Southampton, UK, October 18-20, 2017, Proceedings - Cham: Springer International Publishing, S. 3-18 - (Lecture Notes in Computer Science; 10572) [Konferenz: 8th International Conference on Computational Logistics, ICCL 2017, Southampton, UK, October 18-20, 2017]

Smith, L. Douglas; Nauss, Robert M.; Xu, Liang; Zhang, Juan; Ehmke, Jan Fabian; Hellmann, Laura

Information technologies and analytical models for strategic design of transportation infrastructure

In: Strategic information systems and technologies in modern organizations - Hershey, PA: Information Science Reference, S. 300-321, 2017

Vogel, Patrick; Ehmke, Jan Fabian; Mattfeld, Dirk Christian

Cost-efficient allocation of bikes to stations in bike sharing systems

In: Computational Logistics: 8th International Conference, ICCL 2017, Southampton, UK, October 18-20, 2017, Proceedings - Cham: Springer International Publishing, S. 498-512 - (Lecture Notes in Computer Science; 10572) [Konferenz: 8th International Conference on Computational Logistics, ICCL 2017, Southampton, UK, October 18-20, 2017]

Abstracts

Cleophas, Catherine; Ehmke, Jan Fabian; Köhler, Charlotte; Lang, Magdalena

Balancing availability and profitability in e-fulfillment with revenue management and predictive Routing

In: INFORMS Transportation and Logistics Society: first Triennial Conference; hosted at Loyola University Chicago, Chicago, Illinois, USA, July 26 - 29, 2017; extended abstracts - INFORMS, insges. 5 S.

[Konferenz: 1st Triennial Conference INFORMS Transportation and Logistics Society, Chicago, Illinois, USA, July 26 - 29, 2017; Track 4: Supply Chain Logistics and Methods]

Dissertationen

Scholz, André; Wäscher, Gerhard [AkademischeR BetreuerIn]; Bortfeldt, Andreas [AkademischeR BetreuerIn]

Routing problems in order picking. - Magdeburg, 2017, getrennte Zählung, Illustrationen