

Dr. Michael Sternbeck



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Tasks:
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Dr. Michael Sternbeck is responsible for transportation, instore and reverse logistics at a large European retail company with several hundreds of stores across Europe. Prior to this he was a research assistant at the chair of supply chain management & operations at the Catholic University of Eichstaett-Ingolstadt. His main field is the development of integrative planning systems for retail companies.

Research focus

- Retail operations

Peer-reviewed articles

Optimizing case-pack sizes in the bricks-and-mortar retail trade,

OR Spectrum, vol. 40, no. 4, 2018, pp. 913-944.

DOI: 10.1007/s00291-018-0515-5

Co-authors: Wensing, Th. and H. Kuhn

Decision support for selecting the optimal product unpacking location in a retail supply chain,

European Journal of Operational Research, vol. 259, no. 1, 2017, pp. 84-99.

DOI: 10.1016/j.ejor.2016.09.054

Co-authors: Broekmeulen, R. A. C. M., Donselaar, K. van and H. Kuhn

Product allocation to different types of distribution center in retail logistics networks,

European Journal of Operational Research, vol. 264, no. 3, 2018, pp. 948-966.

DOI: 10.1016/j.ejor.2016.09.013

Co-authors: Holzapfel, A. and H. Kuhn

Delivery pattern and transportation planning in grocery retailing,

European Journal of Operational Research, vol. 252, no. 1, 2016, pp. 54-68.

DOI: 10.1016/j.ejor.2015.12.036

Co-authors: Holzapfel, A., Hübner, A. and H. Kuhn

A store-oriented approach to determine order packaging quantities in grocery retailing,

Journal of Business Economics, vol. 85, no. 5, 2015, pp. 569-596,

DOI: 10.1007/s11573-014-0751-3

An integrative approach to determine store delivery patterns in grocery retailing,

Transportation Research Part E, vol. 70, 2014, pp. 205-224,

DOI: 10.1016/j.tre.2014.06.007

Co-author: Kuhn, H.

Grocery retail operations and automotive logistics: A functional cross-industry comparison,

Benchmarking: An International Journal, vol. 21, no. 5, 2014, pp. 814-834,

DOI: 10.1108/BIJ-07-2012-0048

Co-author: Kuhn, H.

Integrative retail logistics: An exploratory study,

Operations Management Research, vol. 6, no. 1, 2013, pp. 2-18,

DOI: 10.1007/s12063-012-0075-9

Co-author: Kuhn, H.

Retail demand and supply chain planning - An operations planning framework,

International Journal of Retail and Distribution Management, vol. 41, no. 7, 2013, pp. 512-530,

DOI: 10.1108/IJRDM-05-2013-0104

Co-authors: Hübner, A. and H. Kuhn

Further publications

Mehrweg-Boxen-System kann Umwelt helfen,

in: Lebensmittel-Zeitung, 20.04.2018, S. 34

Effiziente Filiallogistik beginnt beim Lieferanten,

in: Lebensmittel-Zeitung, 27.05.2016, S. 57

Selecting delivery patterns for grocery chains,

in: Lübbecke et al. (ed.): Operations Research Proceedings 2014, Cham (Springer International), 2016, pp. 227-232

Co-authors: Holzapfel, A. and A. Hübner

Ohne Umweg ins Regal,

in: Lebensmittel-Zeitung, 30.04.2015, S. 55-56

Integrative Logistik im stationären Lebensmittelhandel,

in: Wimmer, Th. and S. Hucke (Hrsg.): Komplexität, Kosten, Kooperation – Kongressband zum 31. Deutschen Logistik-Kongress, Hamburg (DVV), 2014, S. 155-178

Co-author: Kuhn, H.

Schlüsselfaktor Filiallogistik,

in: Lebensmittel-Zeitung, 16.05.2014, S. 46-47

Retail operations: Why and how retailers benefit from an integrative supply chain management perspective,

in: Wimmer, Th. and S. Hucke (Ed.): Inspiration, Ideas, Innovation – Proceedings of the 30th German Logistics Conference, Hamburg (DVV), 2013, pp. 395-439

Co-authors: Hübner, A. H. and H. Kuhn

Teure Logistik auf den letzten Metern,

in: agora – Magazin der KU Eichstätt-Ingolstadt, vol. 29, no. 1, 2013, pp. 28-29

Co-authors: Hübner, A. H. and H. Kuhn

Gebindegröße ausbalancieren,

in: Lebensmittel-Zeitung, 12.10.2012, S. 52

Logistik im Lebensmittelhandel - Eine empirische Untersuchung zur Ausgestaltung handelsinterner Liefernetzwerke,

Forschungsbericht der Wirtschaftswissenschaftlichen Fakultät Ingolstadt, 2011.

Co-author: Kuhn, H.

Differenzierte Logistik durch ein segmentiertes Netzwerk im filialisierten Lebensmitteleinzelhandel,

in: Schönberger, R. und Elbert, R. (Hrsg.): Dimensionen der Logistik, Wiesbaden (Gabler), 2010, S. 1009-1038

Co-author: Kuhn, H.

Logistik findet auch in der Filiale statt,

in: Lebensmittel-Zeitung, 29.01.2010, S. 54

Gemeinsam statt einsam - Kooperationsmanagement als Erfolgsfaktor,

in: Baumgarten, H. (Hrsg.): Das Beste der Logistik, Berlin (Springer), 2008, S. 197-206

Co-authors: Kolodziej, M. J. and P. Mostberger

Academic presentations

Improving Inventory Accuracy in Retail Stores through Specified Counting Procedures,

2nd EURO Working Group Meeting on Retail Operations, 25-27 May, 2017, Porto, Portugal

Co-authors: Holzapfel, A., Kuhn, H., Mersereau, A. and N. DeHoratius

Product allocation to distribution centers in retail logistics networks,

POMS 26th Annual Conference, 08-11 May, 2015, Washington D.C., USA

Co-authors: Holzapfel, A. and H. Kuhn

Integrative Logistikplanung im stationären Lebensmittelhandel,

31. Deutscher Logistik-Kongress, 22.10.-24.10.2014, Berlin

Integration der letzten Meter,

20. Handelslogistik-Kongress, 25.03.-26.03.2014, Köln

Co-author: Bodj, Ch.

Determining order packaging quantities in grocery retailing,
INFORMS Annual Meeting, 05-10 October, 2013, Minneapolis MN, USA

An approach to determine packaging sizes in retail environments,
26th European Conference on Operational Research, 1-4 July, 2013, Rome, Italy
Co-authors: Broekmeulen, R., K. van Donselaar and H. Kuhn

Selecting store delivery patterns in grocery retailing,
INFORMS Annual Meeting, 14-17 October, 2012, Phoenix AZ, USA
Co-author: Kuhn, H.

Selecting order packaging units for store delivery in grocery retailing,
25th European Conference on Operational Research, 8-11 July, 2012, Vilnius, Lithuania
Co-author: Kuhn, H.

**Verbesserungsansätze durch eine integrierte Prozessperspektive in der
Lebensmittellogistik,**
5. Lebensmittel-Forum Logistik, 10. November 2011, Düsseldorf

Integrative Planung der Filialbelieferung im Lebensmitteleinzelhandel,
Logistikmanagement 2011, Tagung der Wissenschaftlichen Kommission Logistik im VHB, 30.
September 2011, Bamberg

Supply Chain Planung im Lebensmitteleinzelhandel,
Arbeitsgruppensitzung SCM der Gesellschaft für Operations Research (GOR) e.V., 08. Oktober
2010, Köln
Co-author: Kuhn, H.

Supply Chain Planning in Grocery Retail - An Operations Planning Framework,
24th European Conference on Operational Reserach, 11-14 July, 2010, Lisbon, Portugal
Co-author: Hübner, A.

Integrative Logistikplanung im filialisierten Lebensmitteleinzelhandel,
5. Wissenschaftssymposium Logistik der BVL, 16. Juni 2010, Darmstadt

Integrative Retail Logistics,
23rd European Conference on Operational Research, 5-8 July, 2009, Bonn

Taktische Logistikplanung im filialisierten Lebensmitteleinzelhandel,
10. Workshop im Rahmen des Graduate Program of Operations Management in Manufacturing and
Services, 29. Mai 2009, Augsburg

**Gestaltung der Filialprozesse und Integration in die logistische Planung im filialisierten
Lebensmitteleinzelhandel,**
7. Süd-Workshop für Quantitative Methoden, 26. Oktober 2007, Augsburg