

## Production and Logistics

### Research

- ▶ Books
- ▶ Articles in refereed journals
- ▶ Articles in collections & proceedings
- ▶ Working papers

- 
- ▶ Kleber, R. (2006) *Dynamic Inventory Management in Reverse Logistics*. Lecture Notes in Economics and Mathematical Systems 574, Springer, Berlin/Heidelberg. ( DOI: 10.1007/3-540-33230-8 )
- 
- ▶ Kleber, R., Quariguasi Frota Neto, J., Reimann, M. (2023) The Role of Part Failure Rates Asymmetry and Spare Part Proprietariness on Remanufacturing Decision Making. *European journal of operational research* 310(1): 185-200. (DOI: 10.1016/j.ejor.2023.03.001 (<https://doi.org/10.1016/j.ejor.2023.03.001>))
- 
- ▶ Langella, I.M., Kleber, R., Hwang, D. (2022) An Alternative Food Pantry Responds to the Pandemic: A Case Study on Service Redesign. *Operations Management Education Review* 16: 59-76. (LINK (<https://www.neilsonjournals.com/OMER/abstractomer16foodpantry.html>))
- 
- ▶ Kleber, R., Quariguasi Frota Neto, J., Reimann, M. (2020) Proprietary parts as a secondary market strategy. *European journal of operational research* 283(3): 929-941. ( DOI: 10.1016/j.ejor.2019.11.062 (<http://dx.doi.org/10.1016/j.ejor.2019.11.062>) )
- 
- ▶ Kleber, R., Reimann, M., Souza, G.C., Zhang, W. (2020) Two-sided competition with vertical differentiation in both acquisition and sales in remanufacturing. *European journal of operational research* 284(2): 572-587. (DOI:10.1016/j.ejor.2020.01.012 (<https://doi.org/10.1016/j.ejor.2020.01.012>))
- 
- ▶ Abbey, J., Kleber, R., Souza, G.C., Voigt, G. (2019) *Remanufacturing and consumers' risky choices: Behavioral modeling and the role of ambiguity aversion*. *Journal of Operations Management* 65(1): 4-21. (DOI: 10.1002/joom.1001 (<https://doi.org/10.1002/joom.1001>))
- 
- ▶ Kleber, R., Reimann, M., Souza, G.C., Zhang, W. (2018) On the Robustness of the Consumer Homogeneity Assumption with Respect to the Discount Factor for Remanufactured Products. *European Journal of Operational Research* 269(3): 1027-1040 ( DOI: 10.1016/j.ejor.2018.02.052 (<http://dx.doi.org/10.1016/j.ejor.2018.02.052>) )
- 
- ▶ Inderfurth, K., Kelle, P., Kleber, R. (2018) *Inventory control in dual sourcing commodity procurement with price correlation* *Central European Journal of Operations Research* 26(1): 93-119. ( DOI:10.1007/s10100-017-0475-x (<https://doi.org/10.1007/s10100-017-0475-x>) )
- 
- ▶ Abbey, J., Kleber, R., Souza, G.C., Voigt, G. (2017) *The Role of Perceived Quality Risk in Pricing Remanufactured Products*

- 
- ▶ Inderfurth, K., Kelle, P., Kleber, R. (2013) *Dual Sourcing Using Capacity Reservation and Spot Market: Optimal Procurement Policy and Heuristic Parameter Determination*. European Journal of Operational Research 225: 298-309. (DOI: 10.1016/j.ejor.2012.08.025 (<http://www.sciencedirect.com/science/article/pii/S0377221712006625>))
- 
- ▶ Inderfurth, K., Kleber, R. (2012) *An Advanced Heuristic for Multiple-Option Spare Parts Procurement after End-of-Production* Production and Operations Management 22: 54-70. (DOI: 10.1111/j.1937-5956.2012.01358.x (<http://dx.doi.org/10.1111/j.1937-5956.2012.01358.x>))
- 
- ▶ Kleber, R., Schulz, T., Voigt, G. (2012) *Dynamic buy-back for product recovery in end-of-life spare parts procurement* International Journal of Production Research 50: 1476-1488. (DOI: 10.1080/00207543.2011.560202 (<http://dx.doi.org/10.1080/00207543.2011.560202>))
- 
- ▶ Kleber, R., Zaroni, S., Zavanella, L. (2011) *On how buyback and remanufacturing strategies affect the profitability of spare parts supply chains*. International Journal of Production Economics 133: 135-142. (DOI: 10.1016/j.ijpe.2010.04.020 (<http://dx.doi.org/10.1016/j.ijpe.2010.04.020>))
- 
- ▶ Inderfurth, K., Kleber, R. (2009) *Modellgestützte Flexibilitätsanalyse von Strategien zur Ersatzteilversorgung in der Nachserienphase*. Zeitschrift für Betriebswirtschaft 79: 1019-1049. (DOI: 10.1007/s11573-009-0303-4 (<http://dx.doi.org/10.1007/s11573-009-0303-4>))
- 
- ▶ Kleber, R. (2006) *The integral decision on production/remanufacturing technology and investment time in product recovery* OR Spectrum 28: 21-51. (DOI: 10.1007/s00291-005-0011-6 (<http://dx.doi.org/10.1007/s00291-005-0011-6>))
- 
- ▶ Kleber, R., Minner, S., Kiesmüller, G. (2002) *A continuous time inventory model for a product recovery system with multiple options*. International Journal of Production Economics 79: 121-141. (DOI: 10.1016/S0925-5273(02)00256-6 ([http://dx.doi.org/10.1016/S0925-5273\(02\)00256-6](http://dx.doi.org/10.1016/S0925-5273(02)00256-6)))
- 
- ▶ Minner, S., Kleber, R. (2001) *Optimal control of production and remanufacturing in a simple recovery model with linear cost functions*. OR Spektrum 23: 3-24. (DOI: 10.1007/PL00013344 (<http://dx.doi.org/10.1007/PL00013344>))
- 
- ▶ Kiesmüller, G.P., Minner, S., Kleber, R. (2000) *Optimal control of a one product recovery system with backlogging* IMA Journal of Mathematics Applied in Business and Industry 11: 189-207. (DOI: 10.1093/imaman/11.3.189 (<http://dx.doi.org/10.1093/imaman/11.3.189>))

› Top

- 
- ▶ Kleber, R., Inderfurth, K., Kelle, P. (2015) *Combined sourcing and inventory management using capacity reservation and spot market*. In: Vastag, G. (Ed.): *Research in the Decision Sciences for Global Business - Best Papers from the 2013 Annual Conference of the European Decision Sciences Institute*, Pearson Education, Upper Saddle River, NJ, S. 321-334.
- 
- ▶ Puttkammer, K., Kleber, R., Schulz, S., Inderfurth, K. (2011) *Simultane Maschinenbelegungs- und Personaleinsatzplanung in KMUs anhand eines Fallbeispiels aus der Druckereibranche*. In: Sucky, E., Asdecker, B., Dobhan, A., Haas, S., Wiese, J. (eds.) *Logistikmanagement: Herausforderungen, Chancen und Lösungen, Band I*, pp. 229-247, University of Bamberg Press Bamberg. (FEMM Working Paper 10/2011)
- 
- ▶ Kleber, R., Inderfurth, K. (2009) *A Heuristic Approach for Integrating Product Recovery into Post PLC Spare Parts Procurement*. In: Fleischmann, B., Borgwardt, K.-H., Klein, R., Tuma, A. (eds.) *Operations Research Proceedings 2008*, pp. 209-214, Springer, Berlin/Heidelberg/New York. (DOI: 10.1007/978-3-642-00142-0\_34)
- 
- ▶ Inderfurth, K., Kleber, R. (2008) *Ersatzteilversorgungsstrategien im After Sales-Geschäft: Risikobeherrschung durch Flexibilität*. In: Pfohl H.-C., Wimmer, T. (eds.) *Robuste und sichere Logistiksysteme*, pp. 347-360, DVV, Hamburg.
- 
- ▶ Kleber, R., Inderfurth, K. (2007) *Heuristic Approach for Inventory Control of Spare Parts after End-of-Production* In: Otto A Obermaier, R. (eds.) *Logistikmanagement - Analyse, Bewertung und Gestaltung logistischer Systeme*, pp. 185-200, DU

- ▶ Kleber, R. (2007) *Dynamisches Bestandsmanagement in der Kreislauflogistik* In: Waldmann, K.-H., Stocker U.M. (eds) *Operations Research Proceedings 2006*, pp. 24-28, Springer, Berlin/Heidelberg/New York. (DOI: 10.1007/978-3-540-69995-8\_4 ([http://dx.doi.org/10.1007/978-3-540-69995-8\\_4](http://dx.doi.org/10.1007/978-3-540-69995-8_4)) )

---

- ▶ Langella, I.M., Kleber, R. (2007) *The Use of Chance Constraint Programming for Disassemble-to-Order Problems with Stochastic Yields*. In: Waldmann, K.-H., Stocker U.M. (eds.) *Operations Research Proceedings 2006*, pp. 473-478, Springer Berlin/Heidelberg/New York. (DOI: 10.1007/978-3-540-69995-8\_75 )

---

- ▶ Kleber, R. (2006) *Recovery Knowledge Acquisition in Medium and Long Term Planning of a Joint Manufacturing Remanufacturing System*. In: Haasis H.-D., Kopfer, H., Schönberger J. (eds.) *Operations Research Proceedings 2005*, pp. 197-202, Springer, Berlin/Heidelberg/New York. (DOI: 10.1007/3-540-32539-5\_32 ([http://dx.doi.org/10.1007/3-540-32539-5\\_32](http://dx.doi.org/10.1007/3-540-32539-5_32)) )

---

- ▶ Teunter, R.H., Inderfurth, K., Minner, S., Kleber, R. (2005) *Reverse logistics in a pharmaceutical company: the Schering case*. In: Flapper, S.D., Van Nunen, J.A.E.E., Van Wassenhove, L.N. (eds.) *Managing Closed-Loop Supply Chains*, pp. 21-31, Springer, Berlin/Heidelberg/New York. (DOI: 10.1007/3-540-27251-8\_2 ([http://dx.doi.org/10.1007/3-540-27251-8\\_2](http://dx.doi.org/10.1007/3-540-27251-8_2)) )

---

- ▶ Kiesmüller, G., Minner, S., Kleber, R. (2004) *Managing dynamic product recovery: an optimal control perspective* In: Dekke R., Inderfurth, K., Van Wassenhove, L. N., Fleischmann, M. (eds.) *Reverse Logistics. Quantitative Models for Closed-Loop Supply Chains*, pp. 221-247, Springer, Berlin/Heidelberg/New York. (DOI: 10.1007/978-3-540-24803-3\_9 )

---

- ▶ Kleber, R. (2004) *A Dynamic Model for Choosing the Optimal technology in the Context of Reverse Logistics* In: Ahr, D Fahrion, R., Oswald, M., Reinelt, G. (eds.) *Operations Research Proceedings 2003*, pp. 79-86, Springer Berlin/Heidelberg/New York. ( DOI: 10.1007/978-3-642-17022-5\_11 )

› Top

---

- ▶ Kleber, R., Quariguasi Frota Neto, J., Reimann, M. (2019) *Proprietary Parts as a Secondary Market Strategy*. FEMM Working Paper 01/2019, Otto-von-Guericke University Magdeburg.

---

- ▶ Abbey, J., Kleber, R., Souza, G.C., Voigt, G. (2018) *Remanufacturing and consumers' risky choices: Behavioral modeling and the role of ambiguity aversion*. FEMM Working Paper 11/2018, Otto-von-Guericke University Magdeburg.

---

- ▶ Inderfurth, K., Kelle, P., Kleber, R. (2014) *The Effect of Material Price and Product Demand Correlations on Combined Sourcing and Inventory Management*. FEMM Working Paper 13/2014, Otto-von-Guericke University Magdeburg.

---

- ▶ Kleber, R., Inderfurth, K., Kelle, P. (2014) *Combined sourcing and inventory management using capacity reservation and spot market*. FEMM Working Paper 05/2014, Otto-von-Guericke University Magdeburg.

---

- ▶ Inderfurth, K., Kelle, P., Kleber, R. (2011) *Dual Sourcing Using Capacity Reservation and Spot Market: Optimal Procurement Policy and Heuristic Parameter Determination*. FEMM Working Paper 14/2011, Otto-von-Guericke University Magdeburg.

---

- ▶ Inderfurth, K., Kleber, R. (2010) *An Advanced Heuristic for Multiple-Option Spare Parts Procurement after End-of-Production* FEMM Working Paper 05/2010, Otto-von-Guericke University Magdeburg.

---

- ▶ Inderfurth, K., Kleber, R. (2008) *Modellgestützte Flexibilitätsanalyse von Strategien zur Ersatzteilversorgung in der Nachserienphase*. FEMM Working Paper 26/2008, Otto-von-Guericke University Magdeburg.

---

- ▶ Kleber, R. (2004) *A dynamic model for choosing the optimal technology in the context of reverse logistics* FEMM Working Paper 15/2004, Otto-von-Guericke University Magdeburg.

---

- ▶ Teunter, R., Inderfurth, K., Minner, S., Kleber, R. (2000) *Reverse Logistics in a Pharmaceutical Company: A Case Study* FEMM Working Paper 15/2000, Otto-von-Guericke University Magdeburg.

› Top

---