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Academic and Professional Career

2013 and 2014	Visiting Professor at the University of Vienna, Austria, Chair of Logistics and Supply Chain Management
2010	Calling from the University of Mannheim, for the professorship of Service Operations, refused.
2007	Calling from the University of Jena, for the professorship of Operations Management, refused.
2004	Calling from the University of Vienna, Austria for the professorship of Production and Logistics with international orientation, refused.
Since 2003	Visiting Professor for "Production and Logistics" and "Operations Management", Free University of Bolzano, Italy.
2002	Calling from the University of Saarbruecken, for the professorship of Logistics and Management Science, refused.
Since 1998	Full Professor of Supply Chain Management and Operations at the Catholic University of Eichstaett-Ingolstadt.
1997-1998	Deputizing the professorship of Production, Logistics, and Operations Management at the Catholic University of Eichstaett-Ingolstadt.
1997	Habilitation at the Faculty of Business Administration, Economics and Social Sciences of the University of Cologne, Thesis: "Performance evaluation and maintenance planning of flexible flow lines", in German.
1994-1997	Research assistant at the University of Cologne, Department of Production and Operations Management (Prof. Dr. H. Tempelmeier).
1990-1994	Research assistant at the Technical University of Brunswick, Department of Production and Operations Management (Prof. Dr. H. Tempelmeier).
1990	Ph.D. in Business Administration (Dr.rer.pol.) from the Technical University of Darmstadt, Faculty of Law and Economics, Thesis: "Short range planning of flexible manufacturing systems", in German.
1985-1990	Research assistant at the Technical University of Darmstadt, Department of Production and Materials Management (Prof. Dr. H. Tempelmeier).
1983-1985	Social years at the Municipal Hospital of Darmstadt.
1983	Diploma (master program) in Industrial (Mechanical) Engineering (Wirtschaftsingenieurwesen, Fachrichtung Maschinenbau) from the Technical University of Darmstadt.
1977-1983	Student of Industrial Engineering at the Technical University of Darmstadt.

- Decision support for selecting the optimal product unpacking location in a retail supply chain, *European Journal of Operational Research*, Volume 259, Issue 1, 16 May 2017, Pages 84-99 (with R. Broekmeulen, M. Sternbeck and K. van Donselaar).
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- Distribution Systems in Omni-Channel Retailing, in *Business Research*, Vol. 9, Issue 2, 2016, S. 255-296 (with A. Holzapfel and A. Hübner).
- Last mile fulfilment and distribution in omni-channel grocery retailing: A strategic planning framework, in: *International Journal of Retailing and Distribution Management*, 44 (3), S.1-21, 2016 (with A. Hübner and J. Wollenburg).
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- An efficient algorithm for capacitated assortment planning with stochastic demand and substitution, *European Journal of Operational Research*, Volume 250, Issue 2, 16 April 2016, pp. 505-520 (with A. Hübner and S. Kühn).
- Operations management in multi-channel retailing: an exploratory study, in: *Operations Management Research (OMR)*: Volume 8, Issue 3 (2015), pp. 84-100 (with A. Hübner and A. Holzapfel).
- Analysis of production and inventory systems when orders may cross over, in: *Annals of Operations Research*, August 2015, Volume 231, Issue 1, pp. 265-281 (with T. Wensing).
- An integrative approach to determine store delivery patterns in grocery retailing, *Transportation Research Part E* 70 (2014), pp. 205–224 (with M. Sternbeck).
- An exact algorithm for solving the economic lot and supply scheduling problem using a power-of-two policy, in: *Computers & Operations Research*, Volume 51, November 2014, pp. 30-40, (with T. Liske).
- Grocery retail operations and automotive logistics: A functional cross-industry comparison, forthcoming in: *Benchmarking: An International Journal*, Vol. 21, Iss: 5, 2014, pp. 814 – 834 (with M. Sternbeck).
- Performance- and value-oriented decision support for supply chain configuration, in: *Logistics Research*, 118(2014)7, pp. 1-16 (with M. Brandenburg, R. Schilling and St. Seuring).
- Integrative retail logistics: an exploratory study, in: *Operations Management Research (OMR)*, Volume 6, Issue 1 (2013), pp. 2-18 (with M. Sternbeck).
- Retail demand and supply chain planning - An operations planning framework, in: *International Journal of Retail and Distribution Management*, Issue 41, Vol. 7, 2013, pp. 512-530 (with A. Hübner and M. Sternbeck).
- Analysis of a multi-component periodic review inventory system in an assembly environment, in: *OR Spectrum*, 35(2013)1, pp. 107-126, (with T. Wensing).
- Simultaneous investment, operations, and financial planning in supply chains: a value-based Optimization Approach, *International Journal of Production Economics (IJPE)*, 140(2012)2, pp. 559–569 (with G. Hahn).
- Designing decision support systems for value-based management: a survey and an architecture" in: *Decision Support Systems (DSS)*, 53(2012)3, pp. 591-598 (with G. Hahn).
- Retail category management: state-of-the-art review of quantitative research and software applications in assortment and shelf space management, in: *Omega* 40, 2nd Issue, April (2012) pp. 199–209 (with A. Hübner).
- Simultaneous supply and production planning, in: *International Journal of Production Research (IJPR)*, Volume 49, Issue 13, July 2011, pages 3795-3813 (with T. Liske).
- Value-based performance and risk management in supply chains: a robust optimization approach, *International Journal of Production Economics (IJPE)*, 139 (2012), S. 135–144 (with G. Hahn).
- Optimising a value-based performance indicator in mid-term sales and operations planning, in: *Journal of the Operational Research (JORS) Society*, 62(2011)3, March 2011, S. 515-525 (with G. Hahn).

- Capacitated lot-sizing and scheduling with parallel machines, back-orders and setup carry-over, in: Naval Research Logistics, 56(2009)4, June 2009, S. 366-384 (with D. Quadt).
- Hierarchische Produktions- und Logistikplanung bei unvollkommener Information, in: ZfB-Sonderband Logistik, 4-2008, S. 99-124 (with M. Gebhard), (in German).
- Capacitated lot-sizing with extensions: a review, in: 4OR: A Quarterly Journal of Operations Research, Vol. 6. No.1 March 2008, S. 61-83 (with D. Quadt).
- Performance Evaluation of two-stage multi-product kanban systems, in: IIE Transactions, 40(2008)3, S. 265-283 (with G. Krieg).
- Batch scheduling of jobs with identical process times on flexible flow lines, in: International Journal of Production Economics, 105(2007)2, S. 385-401 (with D. Quadt).
- A taxonomy of flexible flow line scheduling procedures, in: European Journal of Operational Research, 178(2007)3, 2007, S. 686-698 (with D. Quadt).
- Revenue management for a make-to-order company with limited inventory capacity, in: OR Spectrum, 29(2007)1, S. 137-156 (with F. Defregger).
- A conceptual framework for lot-sizing and scheduling in flexible flow lines, in: International Journal of Production Research, 43(2005)11, S. 2291-2308 (with D. Quadt).
- Analysis of multi-product kanban systems with state-dependent setups and lost sales, in: Annals of Operations Research, 125(2004), S. 141-166 (with G. Krieg).
- Analysis of automated flow line systems with repair crew interference, in: Gershwin, S., Y. Dallery, C.T. Papadopoulos and J. MacGregor Smith, Analysis and Modeling of Manufacturing Systems, Boston (Kluwer) 2003, S. 155-179.
- A decomposition method for multi-product kanban systems with setup times, in IIE Transactions, 34(2002)7, S. 613-625 (with G. Krieg).
- Modelle und Lösungsansätze zur Konfigurationsplanung von Fließproduktionssystemen, in: Betriebswirtschaftliche Forschung und Praxis, (2001)3, S. 199-211 (in German).
- Analyse des Einflusses des Entstörpersonals auf das Ausbringungsverhalten automatisierter Montageanlagen, in: Zeitschrift für betriebswirtschaftliche Forschung 51(1999)2, S. 107-127 (in German).
- A dynamic lot sizing model with exponential machine breakdowns, in: European Journal of Operational Research, 100(1997)3, S. 514-536.
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- Analyse von Fließproduktionssystemen, in: Zeitschrift für Betriebswirtschaft, 67(1997)5/6, S. 561-586 (with H. Tempelmeier), (in German).
- Analysis of Production Control Systems Kanban and CONWIP, in: International Journal of Production Research, 34(1996)11, S. 3253-3273 (with St. Gstettner).
- A heuristic algorithm for the loading problem in flexible manufacturing systems, in: International Journal of Flexible Manufacturing Systems, 7(1995), S. 225-250.
- Flexible Manufacturing Systems: Decision Support for Design and Operation, New York (Wiley) 1993 (with H. Tempelmeier).
- OR-Modelle zur Planung flexibler Fertigungssysteme, in: OR Spektrum, 14(1992), S. 177-192 (with H. Tempelmeier).
- Performance evaluation of flexible manufacturing systems with blocking, in: International Journal of Production Research, 27(1989)11, S. 1963-1979 (with H. Tempelmeier and U. Tetzlaff).

→ In addition, four text books and more than 60 additional papers published in journals and conferences proceedings.

