

List of Publications

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Mar 2019

Monographs

Brandenburg, M. (2013): *Quantitative Models for Value-Based Supply Chain Management*. Series: *Lecture Notes in Economics and Mathematical Systems, Vol. 660*, Springer, Berlin

Edited books

Brandenburg, M.; Hahn, G. J.; Rebs, T. (2018): *Social and Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies*. Series: *Greening of Industry Network Studies, Vol. 5*; Springer, Berlin

Azevedo, S.; Brandenburg, M.; Carvalho, H.; Cruz-Machado, V. (2014): *Eco-Innovation and the Development of Business Models: Lessons from Experience and New Frontiers in Theory and Practice*. Series: *Greening of Industry Network Studies, Vol. 2.*; Springer, Berlin

Papers in journals

Gruchmann, T.; Brandenburg, M. (forthcoming): Managing unreliability in automotive supply networks - An extension of the joint economic lot size model. *International Journal of Operational Research* *

Rebs, T.; Brandenburg, M.; Seuring, S. (2019): System dynamics modeling for sustainable supply chain management: A literature review and systems thinking approach. *Journal of Cleaner Production* 208: 1265-1280 *

Oelze, N.; Brandenburg, M.; Jansen, C.; Warasthe, R. (2018): Applying Sustainable Supply Chain Management Frameworks to Two German Case Studies. *IFAC-PapersOnLine* 51(30): 293-296 *

Warasthe, R.; Brandenburg, M. (2018): Sourcing Organic Cotton from African Countries Potentials and Risks for the Apparel Industry Supply Chain. *IFAC-PapersOnLine* 51(30): 297-301 *

Brandenburg, M. (2018): Design and implementation of a measurement and management system for operational and supply chain performance. *IEEE Engineering Management Review* 46(3): 117-123. DOI 10.1109/EMR.2018.2848968 ##

Brandenburg, M.; Hahn, G. (2018): Sustainable aggregate production planning in the chemical process industry – A benchmark problem and dataset. *Data in Brief* 18:961-967 *

Brandenburg, M. (2018): Supply network configuration – A benchmarking problem. *Chaos: An Interdisciplinary Journal of Nonlinear Science* 28, 033121, DOI 10.1063/1.5012085 *

Hahn, G.; Brandenburg, M. (2018): A sustainable aggregate production planning model for the chemical process industry. *Computers & Operations Research* 94: 154-168 *

Rebs, T.; Brandenburg, M.; Seuring, S.; Stohler, M. (2018): Stakeholder influences and risks in sustainable supply chain management: A comparison of qualitative and quantitative studies. *Business Research* 11(2): 197-237 *

Brandenburg, M. (2017): A hybrid approach to configure eco-efficient supply chains under consideration of performance and risk aspects. *Omega – The International Journal of Management Science* 70: 58-76 *

* full paper peer-reviewed

editorial-review of full paper

abstract peer-reviewed

+ in German

- Seuring, S.; Yawar, S.; Brandenburg, M. (2016): Supply Chain Controlling für soziale Aspekte in globalen Wertschöpfungsketten. (Supply chain controlling for social aspects in global value chains.) *Controlling* 28(7): 397-402 **
- Brandenburg, M. (2016): Supply chain efficiency, value creation and the economic crisis – An empirical assessment of the European automotive industry 2002-2010. *International Journal of Production Economics* 171: 321-335 *
- Brandenburg, M.; Rebs, T. (2015): Sustainable supply chain management: a modeling perspective. *Annals of Operations Research*, Vol. 229(1): 213-252*
- Brandenburg, M. (2015): Low carbon supply chain configuration for a new product – A goal programming approach. *International Journal of Production Research* 53(21): 6588-6610*
- Brandenburg, M.; Kuhn, H.; Schilling, R.; Seuring, S. (2014): Performance- and value-oriented decision support for supply chain configuration – A discrete-event simulation model and a case study of an FMCG manufacturer. *Logistics Research* 7(1): 1-16*
- Brandenburg, M.; Govindan, K.; Sarkis, J.; Seuring, S. (2014): Quantitative models for sustainable supply chain management: developments and directions. *European Journal of Operational Research* 233(2): 299-312 * (In 2017, this paper has been honored by EJOR Editors as one of the 20 trendsetting papers of the last 20 years.)
- Brandenburg, M.; Seuring, S. (2011): Impacts of supply chain management on company value: benchmarking companies from the fast moving consumer goods industry. *Logistics Research* 3(4), pp. 233-248 *
- Brandenburg, M.; Seuring, S. (2010): A model for quantifying impacts of supply chain cost and working capital on the company value. *Lecture Notes in Business Information Processing* 46: 107-117 *
- Brandenburg, M.; Tölle, F.-J. (2009): MILP-based campaign scheduling in a specialty chemicals plant: a case study. *OR Spectrum* 31: 141-166 *
- Brandenburg, M.; Menke, T. (2008): Quantifizierung von Wertbeiträgen aus Änderungen von Supply Chain Kosten und Working Capital. (Quantifying value impacts of changes of supply chain cost and working capital.) *Zeitschrift für Controlling & Management* 49(6): 168-174⁺
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Kussi, J. S.; Mehta, V.; Tölle, F.-J. (2004): Integrated collaborative planning and supply chain optimization for the chemical process industry (I) – methodology. *Computers and Chemical Engineering* 28: 913-927 *
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Mehta, V.; Tölle, F.-J. (2002): An integrated system solution for supply chain optimization in the chemical process industry. *OR Spectrum* 24: 371-401 *
- Haase, K.; Brandenburg, M.; Jorga, S.; Krüger, C. (2001): Kundenzuordnung und Rundreiseplanung im Außendienst. (Customer assignment and route planning for sales force.) *OR Spectrum* 23: 491-506 **
- Kolisch, R.; Brandenburg, M.; Krüger, C. (2000): OR-Software: Numetrix/3 Production Scheduling. *OR Spectrum* 22: 307-312 *

Papers in edited books

- Brandenburg, M.; Günther H.-O. (2018): Gestaltung nachhaltiger urbaner Mobilität – Entwicklungspfade zu emissionsfreien Megastädten. (Designing sustainable urban mobility – Development paths to emission-free mega cities.) In: Corsten H, Gössinger R, Spengler T (eds.): *Handbuch "Produktions- und Logistikmanagement in Wertschöpfungsnetzwerken"*, de Gruyter, Oldenburg: 1134-1152. *
- Brandenburg, M.; Hahn, G. J.; Rebs, T. (2018): Sustainable supply chains – Recent developments and future trends. In: Brandenburg, M.; Hahn, G. J.; Rebs, T. (eds.): *Social and En-*

* full paper peer-reviewed

editorial-review of full paper

abstract peer-reviewed

⁺ in German

- Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies. Series: Greening of Industry Network Studies, Vol. 5; Springer, Berlin: 1-10*
- Stohler, M.; Rebs, T.; Brandenburg, M. (2018): Towards the integration of sustainability metrics into the Supply Chain Operations Reference (SCOR) model. In: Brandenburg, M.; Hahn, G. J.; Rebs, T. (eds.): *Social and Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies. Series: Greening of Industry Network Studies, Vol. 5; Springer, Berlin: 49-60*
- Monzer, D. A.; Rebs, T.; Khalid, R. U.; Brandenburg, M. (2018): Sustainable Supply Chain Management at the Base of Pyramid – A Literature Review. In: Brandenburg, M.; Hahn, G. J.; Rebs, T. (eds.): *Social and Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies. Series: Greening of Industry Network Studies, Vol. 5; Springer, Berlin: 235-257*
- Azevedo, S.; Brandenburg, M.; Carvalho, H.; Cruz-Machado, V. (2014): Developments and directions in eco-innovation. In: Azevedo, S.; Brandenburg, M.; Carvalho, H.; Cruz-Machado, V. (eds.): *Eco-Innovation and the Development of Business Models: Lessons from Experience and New Frontiers in Theory and Practice. Series: Greening of Industry Network Studies, Vol. 2. Springer, Berlin: 1-18*
- Brandenburg, M. (2013): Quantitative models for value-based supply chain management. In: Bogaschewsky, R.; Eßig, M.; Lasch, R.; Stölzle, W. (eds.): *Supply Management Research, Advanced Studies in Supply Management, Springer Gabler, Heidelberg: 149-172 **
- Brandenburg, M. (2012): Value impacts of working capital and cost of goods sold in the European automotive industry. In: Kersten, W.; Blecker, T.; Ringle C. M. (eds.): *Managing the Future Supply Chain. Series: Supply Chain, Logistics and Operations Management, Vol. 9, EUL Verlag, Lohmar: 279-292 **
- Brandenburg, M.; Schilling, R. (2012): Value impacts of dynamics and uncertainty in tactical supply chain design for new product introduction. In: Geiger, M.; Geldermann, J.; Voß, S. (eds.): *Wirtschaftsinformatik, Entscheidungstheorie und -praxis: Ausgewählte Beiträge des gemeinsamen Workshops der GOR-Arbeitsgruppen 2011 (Business informatics, decision theory and practice: Selected contributions of the joint workshop of the GOR working groups 2011) Shaker Verlag, Aachen: 23-46 **
- Brandenburg, M. (2011): A systematic review of literature on value-based supply chain management. In: Kersten, W.; Blecker, T. Jahn, C. (eds.): *International Supply Chain Management and Collaboration Practices. Series: Supply Chain, Logistics and Operations Management, Vol. 4, EUL Verlag, Lohmar: 283-296 **
- Brandenburg, M.; Seuring, S. (2010): Value-based strategic supply chain planning. In: Kersten, W.; Blecker, T.; Lüthje, C. (eds.): *Pioneering Solutions in Supply Chain Management – A Comprehensive Insight into Current Management Approaches. Series: Operations and Technology Management, Vol. 14, Erich Schmidt Verlag, Berlin: 185-196 **
- Brandenburg, M.; Tölle, F.-J. (2009): MILP-based campaign scheduling in a specialty chemicals plant: a case study. In: Günther, H.-O.; Meyr, H. (eds): *Supply Chain Planning – Quantitative Decision Support and Advanced Planning Solutions. Springer, Berlin: 315-342 **
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Mehta, V.; Tölle, F.-J. (2002): An integrated system solution for supply chain optimization in the chemical process industry. In: Günther, H.-O.; Beek, P. (eds): *Advanced Planning and Scheduling Solutions in Process Industry. Springer, Berlin: 229-261 **

* full paper peer-reviewed

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Conference papers

- Brandenburg, M. (2018): A meta-review of sustainable supply chain management literature. In: *30th NOFOMA Conference*. Paper ID FP-JM4392 *
- Brandenburg, M. (2018): A meta-review of sustainable supply chain management literature. In: *5th International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID WP3-1_165 #
- Rebs, T.; Stohler, M.; Seuring, S.; Brandenburg, M. (2016): Managing risks, pressures and incentives for sustainable supply chain management: Insights from conceptual, empirical and quantitative modeling research. In: *3rd International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID 4 #
- Brandenburg, M.; Thiel, D.; Seuring, S. (2015): Modeling dynamic capabilities and policies for the sustainable management of food supply chains. In: *2nd International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID 13 #
- Rebs, T.; Brandenburg, M.; Seuring, S. (2015): System dynamics modeling for sustainable supply chain management. In: *2nd International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID 32 #
- Thiel, D.; Seuring, S.; Brandenburg, M. (2014): Modeling dynamic capabilities and policies for the sustainable management of food supply chains – A system dynamics approach. In: *1st International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID 124 #
- Rebs, T.; Stohler, M.; Brandenburg, M. (2014): Integrating Sustainability Metrics into the Supply Chain Operations Reference (SCOR) Model. In: *Proceedings of the International Conference on Green Supply Chain*. *
- Brandenburg, M. (2014): Value-based supply chain management – A literature review and a conceptual framework. In: Grubbström, R. W. and Hinterhuber, H. (eds.): *18th International Working Seminar on Production Economics. Pre-Prints Vol. 4*, Congress Innsbruck, Innsbruck Austria: 15-29 #
- Brandenburg, M. (2013): Quantitative models for value-based supply chain management. In: Wimmer, T.; Hucke, S.; Bundesvereinigung der Logistik e. V. (eds.): *Impulse, Ideen, Innovationen – Kongressband zum 30. Deutschen Logistik-Kongress (Inspiration, Ideas, Innovation – Proceedings of the 30th International Supply Chain Conference)*, DVV Media Group: 121-128.
- Brandenburg, M. (2013): SC performance, value creation and the economic crisis – An empirical assessment of the European automotive industry 2002-2010. *Proceedings of the 20th International Annual EurOMA Conference* #
- Brandenburg, M.; Seuring, S. (2012): A review of modeling approaches for sustainable supply chain management. *Proceedings of the 4th World P&OM Conference and 19th International Annual EurOMA Conference* #
- Brandenburg, M. (2012): Modeling value impacts of supply chain management. *Proceedings of the 4th World P&OM Conference and 19th International Annual EurOMA Conference* #
- Brandenburg, M. (2012): Impacts of supply chain management on company value. In: Grubbström, R. W. and Hinterhuber, H. (eds.): *17th International Working Seminar on Production Economics. Pre-Prints Vol. 2*, Congress Innsbruck, Innsbruck Austria: 101-114 #
- Brandenburg, M.; Seuring, S. (2011): Quantifying impacts of supply chain management on company value. In: Sucky, E.; Asdecker, B.; Dobhan, A.; Haas, S.; Wiese, J. (eds.): *Logistikmanagement – Herausforderungen, Chancen und Lösungen Band II (Logistics management – Challenges, chances and solutions Vol. II)*. Series: *Logistics and Supply Chain Management, Vol. 4*, University of Bamberg Press, Bamberg: 117-142 #

* full paper peer-reviewed

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- Brandenburg, M.; Schilling, R. (2010): Value impacts of dynamics and uncertainties in tactical supply chain design for new product introduction. *Proceedings of the German-Italian Conference on the Interdependencies between New Product Development and Supply Chain Management*: 26-38 *
- Brandenburg, M.; Seuring, S. (2010): The influence of working capital and supply chain cost on company value – Benchmarking companies from the fast moving consumer goods industry. *Proceedings of the 22nd NOFOMA Conference*: 389-404 *
- Schilling, R.; Kuhn, H.; Brandenburg, M. (2010): Simulation-based evaluation of tactical supply chain design scenarios for new product introduction. *Proceedings of the 17th International Annual EurOMA Conference* #
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Mehta, V.; Tölle, F.-J. (2003): An integrated system solution for supply chain optimization in the chemical process industry. *Proceedings of the Foundations of Computer-Aided Process Operations (FOCAPO2003)*: 45-58

Reports

- Haase, K.; Brandenburg, M.; Jorga, S.; Krüger, C. (1997): Deckungsbeitragsorientierte Ausendienststeuerung. (Margin-based steering of sales force.) *Manuskripte aus den Instituten für Betriebswirtschaftslehre*, Nr. 459, Christian-Albrechts-Universität, Kiel +

Conference presentations

- “A meta-review of sustainable supply chain management literature”, *30th NOFOMA Conference*. Kolding/Denmark, Jun 13-15 2018 #
- “A meta-review of sustainable supply chain management literature”, *5th Internat. EurOMA Sustainable Operations and Supply Chains Forum*. Kassel/Germany, Mar 5-6 2018 #
- “An integrated optimization-simulation approach for sustainable urban transport”, *OR2017 International Conference on Operations Research 2017*. Berlin/Germany, Sep 6-8 2017 #
- “A Framework for Sustainable Supply Chain Management and State-of-the-Art”, *Research Symposium “Networks in changing business ecosystems”*. Flensburg/Germany, June 12-13 2017 #
- “Supply chain risk in new product development”, *Risk, resilience and robustness of dynamic supply networks; bridging mathematical models and practice*. Edinburgh/UK, Jan 11-13 2017 (invited speaker)
- “How to assess financial performance evolutions by longitudinal DEA? - A formal approach and an application to automotive supply chains”, *5th World P&OM Conference*. Havana/Cuba, Sept 6-10 2016 #
- “Assessing the impact of stakeholder pressures and incentives on dynamic capabilities and sustainable supply chain management performance by system dynamics”, *5th World P&OM Conference*. Havana/Cuba, Sept 6-10 2016 #
- “A longitudinal DEA study on financial performance evolutions in the automotive SC”, *OR2016 International Conference on Operations Research 2016*. Hamburg/Germany, Aug 30-Sept 2 2016 #
- “Managing risks, pressures and incentives for sustainable supply chain management”, *78. Pfingsttagung des VHB (78th Annual Conference of the German Academic Association for Business Research)*. Munich/Germany, May 19 2016 (invited speaker)
- “Die Entwicklung finanzieller Leistungsfähigkeit in Lieferketten der Automobilindustrie – Eine DEA Studie” („Evolution of financial performance in automotive supply chains – A DEA study“), *Wintertagung 2015/16 der Wissenschaftlichen Kommission „Logistik“ (winter session 2015/2016 of the scientific commission „Logistics“)*. Dresden/Germany, Jan 15-16 2016 +

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- “A data envelopment analysis of financial performance in automotive supply chains”, *23rd International Conference on Multiple Criteria Decision Making MCDM 2015*. Hamburg/Germany, Aug 2-7 2015 [#]
- “Simulation and optimization to configure eco-efficient supply chains under consideration of performance and risk aspects”, *27th European Conference on Operational Research*. Glasgow/UK, Jul 12-15 2015 [#]
- “Value impacts of supply chain management – a quantitative model”, *26th Annual POMS Conference 2015*. Washington/USA, May 8-11 2015 [#]
- “Operational and financial performance in European process industries”, *10th European Research Seminar 2015*. Copenhagen/Denmark, Apr 23-24 2015 [#]
- “Modeling dynamic capabilities and policies for the sustainable management of food supply chains”, *2nd International EurOMA Sustainable Operations and Supply Chains Forum*. Barcelona/Spain, Mar 23-24 2015 [#]
- “A sustainable production planning model for the chemical process industry”, *Tagung der Wissenschaftlichen Kommission “Operations Research“ und der Gesellschaft für Operations Research e. V.; Arbeitsgruppen “Entscheidungstheorie und –praxis” sowie “Fuzzy Systeme, Neuronale Netze und Künstliche Intelligenz” (Session of the scientific commission “Operations Research“ and the working groups “Decision Theory and Practice” and “Fuzzy Systems, Neural Networks and Artificial Intelligence” of the Gesellschaft für Operations Research e.V.)*. Hagen/Germany, Feb 5-6 2015 ^{#+}
- “Dynamic capabilities and sustainability practices in supply chain management – A causal diagram and a system dynamics approach”, *OR2014 International Conference on Operations Research 2014*. Aachen/Germany, Sep 3-5 2014 [#]
- “Dynamic capabilities and policies for sustainable supply chain management – A system dynamics approach”, *20th Conference of the International Federation of Operational Research Societies IFORS 2014*, Barcelona/Spain, Jul 13-18 2014 [#]
- “Modeling dynamic capabilities and policies for the sustainable management of food supply chains – A system dynamics approach”, *1st International EurOMA Sustainable Operations and Supply Chains Forum*. Groningen/Netherlands, Mar 24-25 2014 [#]
- “Value-based supply chain management – A literature review and a conceptual framework”, *18th International Working Seminar on Production Economics*, Innsbruck/Austria, Feb 24-28 2014 [#]
- “Quantitative Modelle für das wertorientierte Supply Chain Management” (“Quantitative models for value-based supply chain management”), *30. Deutscher Logistik-Kongress (30th International Supply Chain Conference)*, Berlin/Germany, Oct 23-25 2013 ^{#+}
- “MILP-based supply chain design for new product introduction”, *joint conference of the working groups “Decision theory and practice” (Gesellschaft für Operations Research e.V.) and the “Decision Analysis Special Interest Group” (The OR Society)*, Hamburg/Germany, Sep 23-24 2013[#]
- “Supply chain design for new product introduction by mixed-integer linear programming”, *International Conference on Operations Research*, Rotterdam/Netherlands, Sep 3-6 2013[#]
- “Optimized supply chain design in the fast moving consumer goods industry”, *XXVI EURO-INFORMS 26th European Conference on Operational Research*, Rome/Italy, Jul 1-4 2013[#]
- “SC performance, value creation and the economic crisis – an empirical assessment of the European automotive industry 2002-2010”, *20th International Annual EurOMA conference*, Dublin/Ireland, Jun 7-12 2013 [#]
- “Quantitative Modelle für das wertorientierte Supply Chain Management” (“Quantitative models for value-based supply chain management”), *6. Wissenschaftliches Symposium des Bundesverband Materialwirtschaft, Einkauf und Logistik e. V. – Finale “BME-*

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- Wissenschaftspreis Hans Övelgönne*” (6th scientific symposium of the Association Materials Management, Purchasing and Logistics – final of the “Scientific BME Award Hans Övelgönne”), Würzburg/Germany, Mar 5-6 2013 ^{#+}
- “Quantitative Modelle im Sustainable Supply Chain Management” (“Quantitative models for sustainable supply chain management”), *Tagung 2013 der Wissenschaftlichen Kommission „Operations Research“ und der Gesellschaft für Operations Research e.V.; Arbeitsgruppe “Projektmanagement und Scheduling”* (Session 2013 of the scientific commission „Operations Research“ and the working group “Project management and scheduling” of the Gesellschaft für Operations Research e.V.), Wuppertal/Germany, Jan 31-Feb 2 2013 ^{#+}
- “SC Effizienz und Wertgenerierung vor und während der Wirtschaftskrise – eine empirische Analyse der Europäischen Automobilindustrie” („SC efficiency and value creation before and during the economic crisis – an empirical analysis of the European automotive industry“), *Wintertagung 2012/13 der Wissenschaftlichen Kommission „Logistik“* (winter session 2012/2013 of the scientific commission „Logistics“), Darmstadt/Germany, Jan 18-19 2013 ⁺
- “Quantitative models for sustainable supply chain management: a review”, 2nd *International Workshop on Eco-Efficient Based Green SCM*, Odense/Denmark, Oct 24-25 2012
- “Quantitative models for sustainable supply chain management: a review”, *Herbsttagung 2012 der Wissenschaftlichen Kommission „Nachhaltigkeitsmanagement“* (autumn session 2012 of the scientific commission „Sustainability management“), Hamburg/Germany, Sep 24-25 2012 ^{#+}
- “Value impacts of working capital and cost of goods sold in the European automotive industry”, *HICL 2012 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 13-14 2012 [#]
- “A review of modeling approaches for sustainable supply chain management”, 4th *World P&OM Conference and 19th International Annual EurOMA Conference*, Amsterdam/Netherlands, Jul 2-4 2012 [#]
- “Modeling value impacts of supply chain management”, 4th *World P&OM Conference and 19th International Annual EurOMA Conference*, Amsterdam/Netherlands, Jul 2-4 2012 [#]
- “Quantitative models for sustainable supply chain management: a review“, *Workshop der Gesellschaft für Operations Research e.V.; Arbeitsgruppen “Entscheidungstheorie und –praxis” und “OR im Umweltschutz”* (joint workshop of the working groups “Decision theory and practice” and “OR in environmental protection” of the Gesellschaft für Operations Research e.V.), Goslar/Germany, Mar 1 – Mar 2 2012 ^{#+}
- “Quantifying impacts of supply chain management on company value”, 17th *International Working Seminar on Production Economics*, Innsbruck/Austria, Feb 20-24 2012 [#]
- “Impacts of supply chain management on company value”, *Logistikmanagement 2011 (Logistics Management 2011)*, Bamberg/Germany, Sep 28-30 2011 ^{#+}
- “A systematic review of literature on value-based supply chain management”, *HICL 2011 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 8-9 2011 [#]
- “Value impacts of dynamics and uncertainties in tactical supply chain design for new product introduction“, *Workshop der Gesellschaft für Operations Research e.V.; Arbeitsgruppen “Entscheidungstheorie und –praxis” und “Wirtschaftsinformatik”* (joint workshop of the working groups “Decision theory and practice” and “Business informatics” of the Gesellschaft für Operations Research e.V.), Hamburg/Germany, March 30 – Apr 1 2011 ^{#+}
- “Value-based supply chain management”, *Wintertagung 2010/2011 der Wissenschaftlichen Kommission „Logistik“* (winter session 2010/2011 of the scientific commission „Logistics“), Berlin/Germany, Jan 14-15 2011 ⁺

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- “Value-based strategic supply chain planning”, *HICL 2010 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 2-3 2010 [#]
- “The influence of supply chain cost and working capital on company value – Benchmarking companies from the fast moving consumer goods industry”, *22nd NOFOMA Conference*, Kolding/Denmark, Jun 10-11 2010 [#]
- “A model for quantifying impacts of supply chain cost and working capital on the company value”, *8th International Heinz Nixdorf Symposium*, Paderborn/Germany, Apr 21-22 2010^{#+}
- “Collaborative Planning und Scheduling” (“Collaborative planning and scheduling”), *Gesellschaft für Operations Research e.V.; Arbeitsgruppe Supply Chain Management*, Darmstadt/Germany, Oct 18 2002 ⁺
- “Integration des EvoPlan-Algorithmus in SAP APO mittels ILOG-ODF“ („Integration of the EvoPlan-algorithm in SAP APO by ILOG-ODF“). *Gesellschaft für Operations Research e.V.; Arbeitsgruppe Supply Chain Management*, Leverkusen/Germany, Oct 19 2001 ⁺

Editorial team memberships

- International Journal of Operations & Production Management (*Member of the Editorial Reviewer Board since Oct 2017*)
- International Journal of Integrated Supply Management (*Member of the Editorial Board since Nov 2018*)

Ad-hoc reviewing

- Annals of Operations Research
- Applied Mathematical Modelling (*Outstanding Reviewer Status awarded in Aug 2018, Recognized Reviewer Status awarded in Jan 2017 and in Mar 2018*)
- Business Research (*Reviewer of the Year 2016, Dept. Operations & Information Systems*)
- Carbon Management
- Chaos: An Interdisciplinary Journal of Nonlinear Science
- Chemical Engineering Communications
- Chemical Engineering Research and Design
- Computers & Industrial Engineering (*Recognized Reviewer Status awarded in Oct 2018*)
- Computers & Operations Research (*Outstanding Reviewer Status awarded in Nov 2015, Recognized Reviewer Status awarded in Dec 2017*)
- Decision Sciences
- Decision Support Systems
- European Journal of Industrial Engineering
- European Journal of Operational Research E (*Editors' Award for Excellence in Reviewing, awarded in 2016 and in 2018, Outstanding Reviewer Status awarded in Jan 2017, Recognized Reviewer Status awarded in Dec 2016*)
- IEEE Engineering Management Review
- IEEE Transactions on Cybernetics
- Informatics
- Information Processing Letters
- International Journal of Business Performance and Supply Chain Modelling
- International Journal of Hospitality Management
- International Journal of Information Technology & Decision Making
- International Journal of Integrated Supply Management (*Member of the Editorial Board since Nov 2018*)
- International Journal of Logistics Management

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- International Journal of Operations & Production Management (*Member of the Editorial Reviewer Board since Oct 2017*)
- International Journal of Physical Distribution & Logistics Management
- International Journal of Production Economics (*Outstanding Reviewer Status awarded in Jan 2019 and Jan 2017, Recognized Reviewer Status awarded in Oct 2016*)
- International Journal of Production Research
- Journal of Business Economics
- Journal of Cleaner Production (*Outstanding Reviewer Status awarded in Sept 2017, Recognized Reviewer Status awarded in Apr 2016 and in May 2017*)
- Journal of Engineering Manufacture
- Journal of Industrial Ecology
- Journal of the Operational Research Society
- Logistics Research
- Omega – The International Journal of Management Science
- Operational Research – An International Journal
- Operations Research and Decisions
- Production & Operations Management
- Resources, Conservation & Recycling (*Outstanding Reviewer Status awarded in June 2018, Recognized Reviewer Status awarded in July 2017*)
- Sādhanā
- Sustainability
- Transportation Research Proceedia
- Transportation Research: Part D (*Outstanding Reviewer Status awarded in June 2018, Recognized Reviewer Status awarded in Jan 2018*)
- Transportation Research: Part E (*Outstanding Reviewer Status awarded in Sept 2015 and in Mar 2018, Recognized Reviewer Status awarded in Sept 2017*)

Reviewing for research councils and foundations

- AiF Forschung · Technik · Kommunikation GmbH
- Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
- FONDECYT – Chilean National Science and Technology Commission
- Natural Sciences and Engineering Research Council of Canada (NSERC)
- Netherlands Organisation for Scientific Research (NWO)
- Schweizerischer Nationalfonds zur Förderung der wissenschaftlichen Forschung (SNF, Swiss National Science Foundation)

Further academic services

- Chair of the session “Sustainability” at the 30th NOFOMA Conference, Kolding/Denmark, Jun 13-15 2018
- Member of the organizing committee of the 5th International EurOMA Sustainable Operations & Supply Chains Forum, Kassel/Germany, Mar 5-6 2018
- Member of the scientific committee of the Special Session “Supply Chain Management and Finance” at the 24th International Conference on Production Research, Poznan/Poland, Jul 30-Aug 3 2017
- Member of the scientific committee of the 5th World Conference on Production and Operations Management, Havana/Cuba, Sep 6-10 2016
- Organizer of the session “Sustainable design and operations of supply chains” at the International Conference on Operations Research 2015. Vienna/Austria, Sep 1-4 2015

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- Chair of the session “Data Envelopment Analysis” at the 23rd *International Conference on Multiple Criteria Decision Making MCDM 2015*, Hamburg/Germany, Aug 2-7 2015
- Organizer of the session “Sustainable design and operations of supply chains” at the 27th *European Conference on Operational Research*, Glasgow/UK, Jul 12-15 2015
- Chair of the session “Supply Chain Management” at the 22nd *International Annual EurOMA Conference*, Neuchatel/Switzerland, Jun 26-Jul 1 2015
- Chair of the session “Supply Network Design” at the 22nd *International Annual EurOMA Conference*, Neuchatel/Switzerland, Jun 26-Jul 1 2015
- Chair of the session “Models in Supply Chain Management I” at the *Production and Operations Management Society POMS 26th Conference*, Washington D. C./USA, May 8-11 2015
- Organizer of the session “Sustainable management and climate change” at the 20th *Conference of the International Federation of Operational Research Societies IFORS 2014*, Barcelona/Spain, Jul 13-18 2014
- Chair of a session at the *joint conference of the working groups “Decision theory and practice” (Gesellschaft für Operations Research e. V.) and the “Decision Analysis Special Interest Group” (The OR Society)*, Hamburg/Germany, Sep 23-24 2013
- Chair of the session “Supply Chain Optimization I” at the *International Conference on Operations Research*, Rotterdam/Netherlands, Sep 3-6 2013
- Chair of the session “Contemporary Case Studies in Logistics Networks I” at the *HICL 2012 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 13-14 2012
- Chair of the session “Supply Chain Models” at the 4th *World P&OM Conference and 19th International Annual EurOMA Conference*, Amsterdam/Netherlands, Jul 2-4 2012

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